

Bead 1101

Date : Mon Oct 17 13:51:43 PDT 2022

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

Frame size : 12 pixels

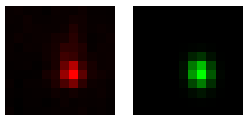
Coordinates : 84.4 μm (x), -89.8 μm (y), 22.0 μm (z)

Corresponding bead : Not found

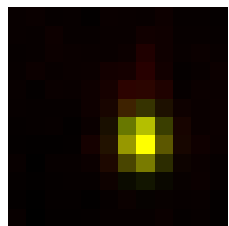
FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	512 nm	533 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.8		
Theta	-85.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.951$



Parameters:

$A = 712.778$ (brightness)

$B = 123.343$ (background)

$a = 0.799$ px

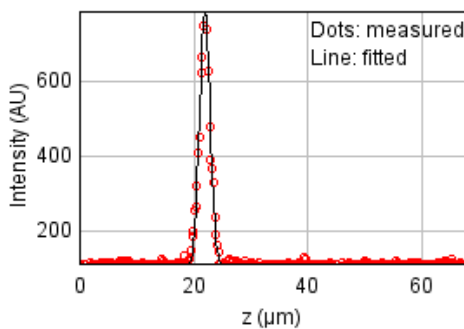
$b = -0.025$ px

$c = 0.514$ px

$x_c = 6.818$ px

$y_c = 6.776$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 40964.0555

Standard deviation: 11.55134

$R^2: 0.98713$

Parameters:

$a = 113.82187$

$b = 785.37613$

$c = 22.03652$

$d = 0.90751$

Bead 1102

Date : Mon Oct 17 13:51:43 PDT 2022

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

Frame size : 12 pixels

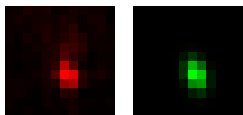
Coordinates : 162 μm (x), 78.4 μm (y), 21.8 μm (z)

Corresponding bead : Not found

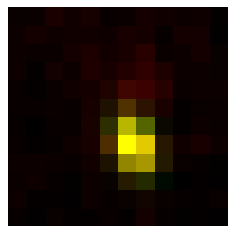
FWHM	Non corrected	Corrected	Theoretical
min	362 nm	377 nm	270 nm
max	558 nm	581 nm	270 nm
z	2.42 μm	2.43 μm	1.3 μm
Asymmetry	0.648		
Theta	-71.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.918$



Parameters:

A = 318.916 (brightness)

B = 117.732 (background)

a = 0.967 px

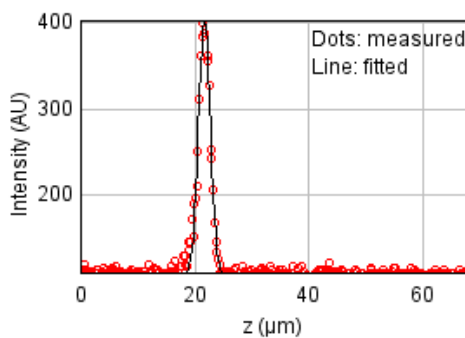
b = -0.178 px

c = 0.490 px

$x_c = 6.375$ px

$y_c = 6.980$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 14047.9105

Standard deviation: 6.76452

R^2 : 0.97949

Parameters:

a = 109.27917

b = 401.95611

c = 21.77595

d = 1.02739

Bead 1103

Date : Mon Oct 17 13:51:43 PDT 2022

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

Frame size : 12 pixels

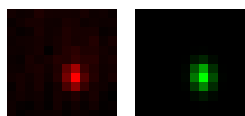
Coordinates : -117 μm (x), 73.8 μm (y), 21.5 μm (z)

Corresponding bead : Not found

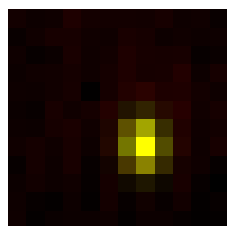
FWHM	Non corrected	Corrected	Theoretical
min	367 nm	382 nm	270 nm
max	493 nm	514 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.744		
Theta	-85.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 265.450 (brightness)

B = 119.619 (background)

a = 0.993 px

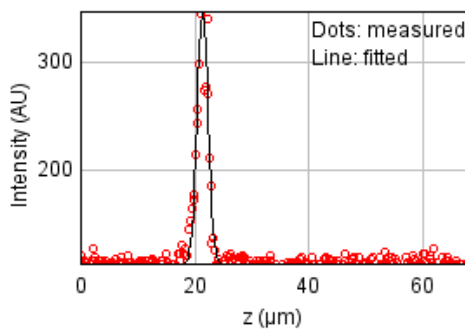
b = -0.033 px

c = 0.554 px

xc = 6.885 px

yc = 6.887 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24447.0290

Standard deviation: 8.92368

R^2 : 0.94269

Parameters:

a = 112.25672

b = 347.80734

c = 21.45192

d = 0.94639

Bead 1104

Date : Mon Oct 17 13:51:43 PDT 2022

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

Frame size : 12 pixels

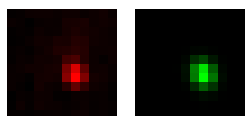
Coordinates : -111 μm (x), 38.3 μm (y), 21.8 μm (z)

Corresponding bead : Not found

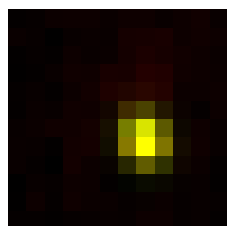
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	499 nm	520 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.824		
Theta	-71.8°		

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 = 467.255 (brightness)

B = 122.941 (background)

a = 0.769 px

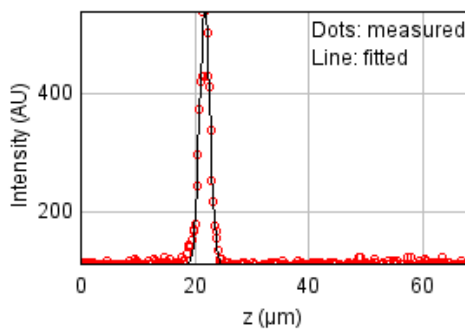
b = -0.075 px

c = 0.564 px

xc = 6.945 px

yc = 6.591 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17805.1070

Standard deviation: 7.61558

R^2 : 0.98615

Parameters:

a = 112.26665

b = 538.41645

c = 21.84122

d = 0.90947

Bead 1105

Date : Mon Oct 17 13:51:43 PDT 2022

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

Frame size : 12 pixels

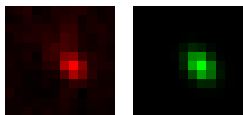
Coordinates : 150 μm (x), 22.8 μm (y), 21.6 μm (z)

Corresponding bead : Not found

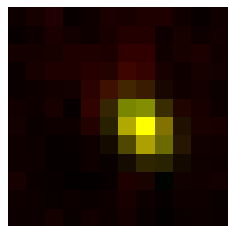
FWHM	Non corrected	Corrected	Theoretical
min	421 nm	439 nm	270 nm
max	598 nm	623 nm	270 nm
z	1.8 μm	1.81 μm	1.3 μm
Asymmetry	0.704		
Theta	-51.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.905$



Parameters:

A = 275.854 (brightness)

B = 117.020 (background)

a = 0.606 px

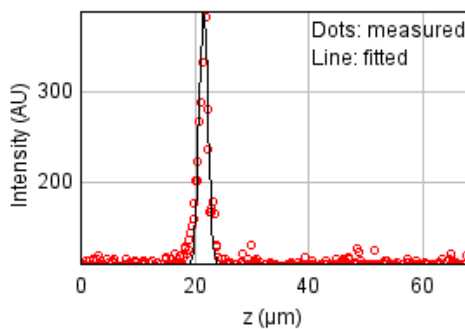
b = -0.186 px

c = 0.524 px

xc = 6.848 px

yc = 6.009 px

Z profile & fitting parameters:



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

Sum of residuals squared: 42272.5764

Standard deviation: 11.73438

R^2 : 0.91417

Parameters:

a = 111.65984

b = 387.48439

c = 21.62632

d = 0.76520

Bead 1106

Date : Mon Oct 17 13:51:43 PDT 2022

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

Frame size : 12 pixels

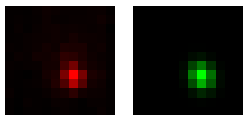
Coordinates : -22.2 μm (x), 15.9 μm (y), 22.4 μm (z)

Corresponding bead : Not found

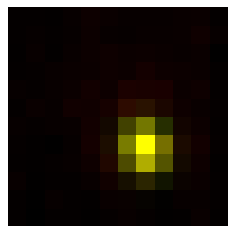
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	489 nm	510 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.841		
Theta	-75.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 714.218$ (brightness)

$B = 127.224$ (background)

$a = 0.778$ px

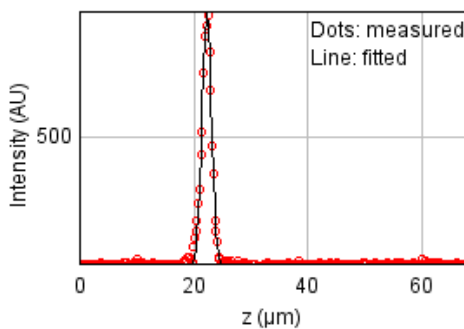
$b = -0.057$ px

$c = 0.575$ px

$x_c = 6.976$ px

$y_c = 7.159$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 36603.2330

Standard deviation: 10.91919

$R^2: 0.99037$

Parameters:

$a = 114.05694$

$b = 887.13936$

$c = 22.36704$

$d = 0.81655$

Bead 1107 (Rejected)

Date : Mon Oct 17 13:51:44 PDT 2022

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

Frame size : 12 pixels

Coordinates : -134 μm (x), 12.7 μm (y), 21.3 μm (z)

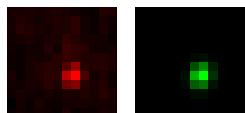
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

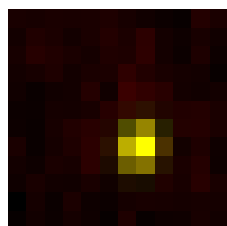
FWHM	Non corrected	Corrected	Theoretical
min	361 nm	376 nm	270 nm
max	438 nm	456 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.825		
Theta	74.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 216.613 (brightness)

B = 114.784 (background)

a = 1.005 px

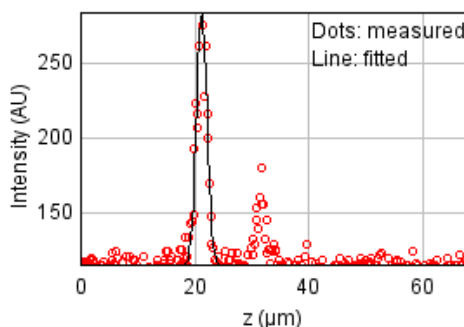
b = 0.086 px

c = 0.725 px

xc = 6.690 px

yc = 6.986 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31531.3414

Standard deviation: 10.13449

R^2 : 0.86552

Parameters:

a = 114.36141

b = 284.30716

c = 21.30118

d = 0.91601

Bead 1108

Date : Mon Oct 17 13:51:44 PDT 2022

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

Frame size : 12 pixels

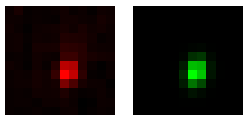
Coordinates : -161 μm (x), 5.02 μm (y), 22.0 μm (z)

Corresponding bead : Not found

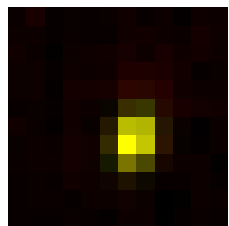
FWHM	Non corrected	Corrected	Theoretical
min	359 nm	374 nm	270 nm
max	506 nm	527 nm	270 nm
z	2.38 μm	2.39 μm	1.3 μm
Asymmetry	0.71		
Theta	77.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 411.981$ (brightness)

$B = 117.184$ (background)

$a = 1.016$ px

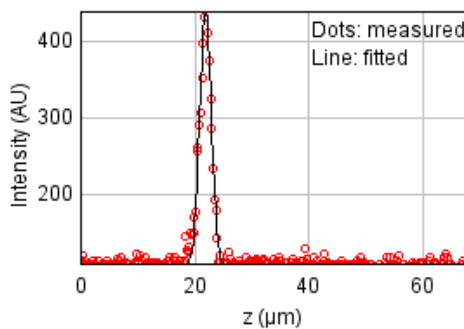
$b = 0.109$ px

$c = 0.548$ px

$x_c = 6.405$ 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: 21054.8086

Standard deviation: 8.28145

$R^2: 0.97513$

Parameters:

$a = 110.93341$

$b = 437.97102$

$c = 21.97425$

$d = 1.01163$

Bead 1109

Date : Mon Oct 17 13:51:44 PDT 2022

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

Frame size : 12 pixels

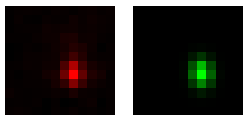
Coordinates : -18.9 μm (x), -60.1 μm (y), 21.8 μm (z)

Corresponding bead : Not found

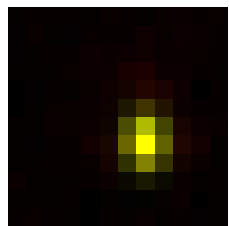
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	394 nm	270 nm
max	520 nm	541 nm	270 nm
z	2.07 μm	2.07 μm	1.3 μm
Asymmetry	0.728		
Theta	-87.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 616.297 (brightness)

B = 123.374 (background)

a = 0.937 px

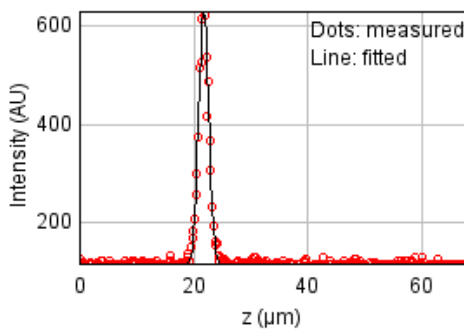
b = -0.021 px

c = 0.498 px

$x_c = 6.986$ px

$y_c = 6.813$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 62923.7112

Standard deviation: 14.31654

R^2 : 0.96613

Parameters:

a = 114.59480

b = 630.60388

c = 21.83290

d = 0.87694

Bead 1110

Date : Mon Oct 17 13:51:44 PDT 2022

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

Frame size : 12 pixels

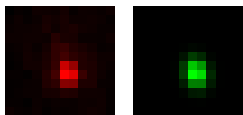
Coordinates : 120 μm (x), -95.1 μm (y), 22.2 μm (z)

Corresponding bead : Not found

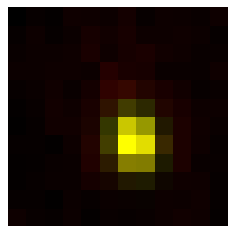
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	539 nm	561 nm	270 nm
z	2.36 μm	2.37 μm	1.3 μm
Asymmetry	0.766		
Theta	-78.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 450.990$ (brightness)

$B = 119.509$ (background)

$a = 0.775$ px

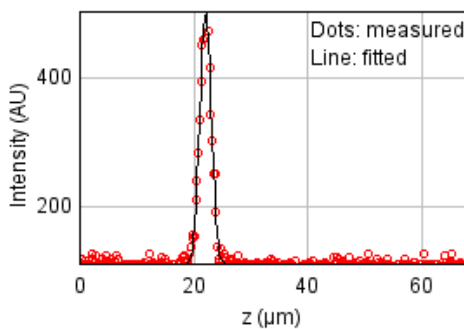
$b = -0.063$ px

$c = 0.475$ px

$x_c = 6.391$ px

$y_c = 6.814$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17983.6060

Standard deviation: 7.65366

$R^2: 0.98489$

Parameters:

$a = 111.69836$

$b = 502.93755$

$c = 22.16281$

$d = 1.00319$

Bead 1111 (Rejected)

Date : Mon Oct 17 13:51:44 PDT 2022

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

Frame size : 12 pixels

Coordinates : -105 μm (x), 96.4 μm (y), 22.1 μm (z)

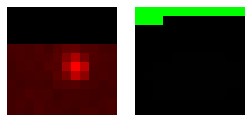
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

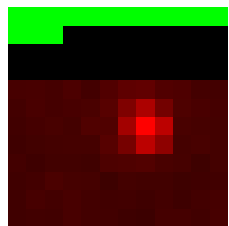
FWHM	Non corrected	Corrected	Theoretical
min	1.72 μm	1.79 μm	270 nm
max	3.41 μm	3.55 μm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.504		
Theta	3.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.634$



Parameters:

A = 223.401 (brightness)

B = -30.448 (background)

a = 0.012 px

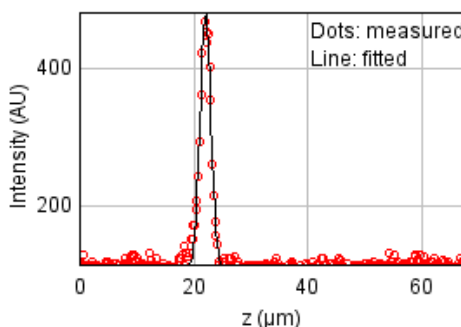
b = 0.002 px

c = 0.045 px

xc = 6.268 px

yc = 7.198 px

Z profile & fitting parameters:



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

Sum of residuals squared: 26908.7791

Standard deviation: 9.36220

R^2 : 0.97255

Parameters:

a = 114.86527

b = 481.46257

c = 22.14256

d = 0.92520

Bead 1112

Date : Mon Oct 17 13:51:44 PDT 2022

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

Frame size : 12 pixels

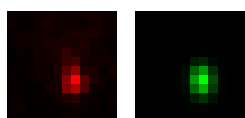
Coordinates : 36.9 μm (x), 66.5 μm (y), 22.5 μm (z)

Corresponding bead : Not found

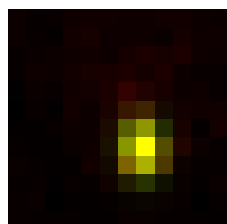
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	549 nm	572 nm	270 nm
z	1.96 μm	1.96 μm	1.3 μm
Asymmetry	0.719		
Theta	-87.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 485.878$ (brightness)

$B = 124.559$ (background)

$a = 0.860$ px

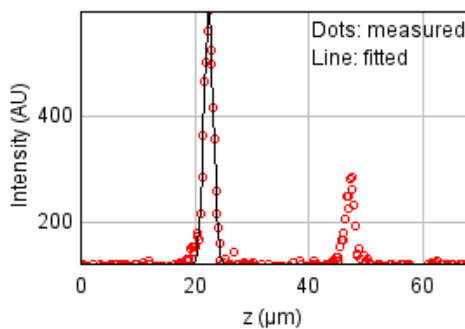
$b = -0.019$ px

$c = 0.446$ px

$x_c = 6.810$ px

$y_c = 7.078$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 188159.958

Standard deviation: 24.75679

$R^2: 0.88544$

Parameters:

$a = 120.06806$

$b = 596.81139$

$c = 22.51435$

$d = 0.83029$

Bead 1113

Date : Mon Oct 17 13:51:44 PDT 2022

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

Frame size : 12 pixels

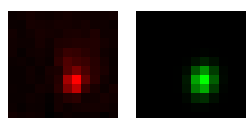
Coordinates : 119 um (x), 54.2 um (y), 22.3 um (z)

Corresponding bead : Not found

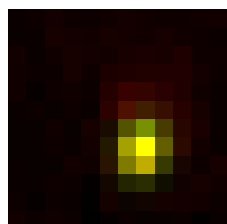
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	536 nm	559 nm	270 nm
z	2.01 um	2.02 um	1.3 um
Asymmetry	0.796		
Theta	78.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.903$



Parameters:

A = 360.119 (brightness)

B = 123.077 (background)

a = 0.726 px

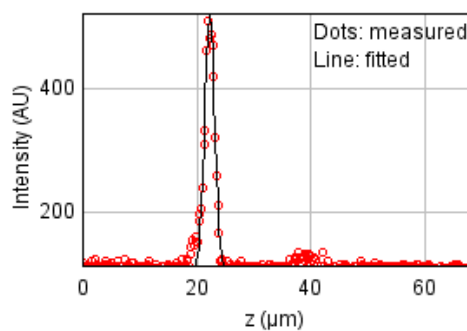
b = 0.053 px

c = 0.478 px

xc = 6.806 px

yc = 7.116 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32026.4125

Standard deviation: 10.21374

R^2 : 0.97173

Parameters:

a = 113.51548

b = 523.08342

c = 22.34846

d = 0.85251

Bead 1114

Date : Mon Oct 17 13:51:45 PDT 2022

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

Frame size : 12 pixels

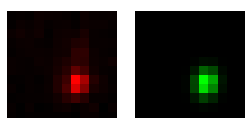
Coordinates : -52.3 μm (x), 52.6 μm (y), 22.9 μm (z)

Corresponding bead : Not found

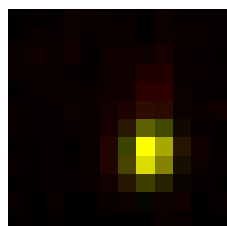
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	409 nm	270 nm
max	494 nm	514 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.795		
Theta	80.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.947$



Parameters:

$A = 627.782$ (brightness)

$B = 128.222$ (background)

$a = 0.862$ px

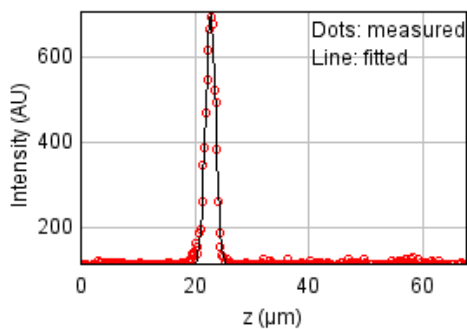
$b = 0.055$ px

$c = 0.560$ px

$x_c = 7.234$ px

$y_c = 7.344$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29154.0180

Standard deviation: 9.74496

$R^2: 0.98776$

Parameters:

$a = 115.02242$

$b = 706.37652$

$c = 22.85550$

$d = 0.87479$

Bead 1115

Date : Mon Oct 17 13:51:45 PDT 2022

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

Frame size : 12 pixels

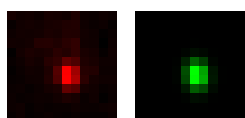
Coordinates : 136 μm (x), 2.64 μm (y), 22.0 μm (z)

Corresponding bead : Not found

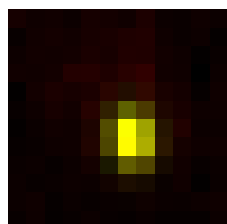
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	420 nm	270 nm
max	524 nm	545 nm	270 nm
z	2.29 μm	2.3 μm	1.3 μm
Asymmetry	0.769		
Theta	-83.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 430.276$ (brightness)

$B = 119.818$ (background)

$a = 0.823$ px

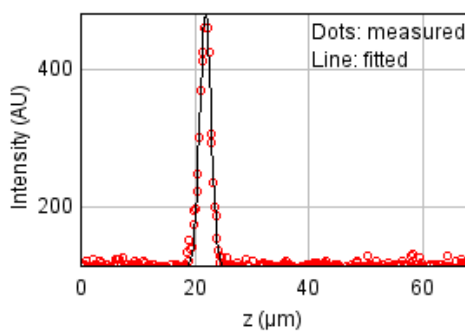
$b = -0.038$ px

$c = 0.494$ px

$x_c = 6.251$ px

$y_c = 6.503$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21937.6690

Standard deviation: 8.45330

$R^2: 0.97898$

Parameters:

$a = 111.97596$

$b = 482.76650$

$c = 21.96129$

$d = 0.97176$

Bead 1116

Date : Mon Oct 17 13:51:45 PDT 2022

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

Frame size : 12 pixels

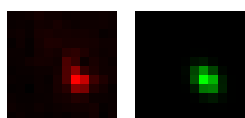
Coordinates : 3.58 μm (x), 107 nm (y), 22.5 μm (z)

Corresponding bead : Not found

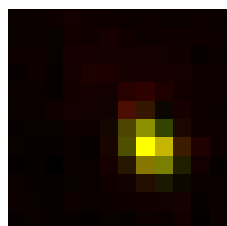
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	520 nm	542 nm	270 nm
z	2.38 μm	2.39 μm	1.3 μm
Asymmetry	0.732		
Theta	-50.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 445.558$ (brightness)

$B = 123.628$ (background)

$a = 0.751$ px

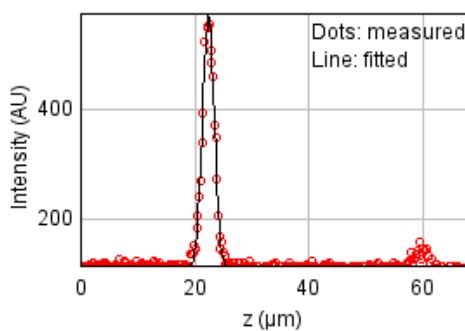
$b = -0.212$ px

$c = 0.672$ px

$x_c = 7.273$ px

$y_c = 7.012$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31728.7493

Standard deviation: 10.16617

$R^2: 0.98060$

Parameters:

$a = 115.66982$

$b = 571.53599$

$c = 22.47510$

$d = 1.01129$

Bead 1117

Date : Mon Oct 17 13:51:45 PDT 2022

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

Frame size : 12 pixels

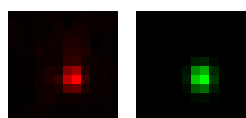
Coordinates : -59.0 μm (x), -8.65 μm (y), 22.2 μm (z)

Corresponding bead : Not found

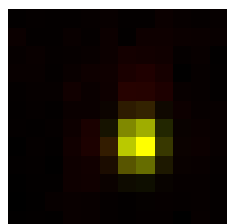
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	465 nm	484 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.841		
Theta	-89.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 734.419 (brightness)

B = 128.449 (background)

a = 0.879 px

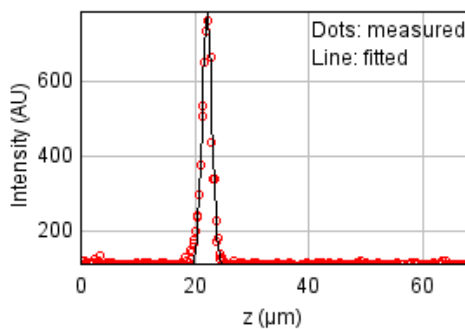
b = -0.001 px

c = 0.621 px

xc = 6.636 px

yc = 6.813 px

Z profile & fitting parameters:



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

Sum of residuals squared: 55356.4666

Standard deviation: 13.42811

R^2 : 0.98142

Parameters:

a = 113.39524

b = 785.15008

c = 22.24901

d = 0.84118

Bead 1118

Date : Mon Oct 17 13:51:45 PDT 2022

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

Frame size : 12 pixels

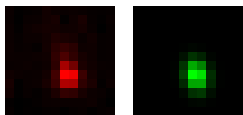
Coordinates : 48.9 μm (x), -17.9 μm (y), 22.5 μm (z)

Corresponding bead : Not found

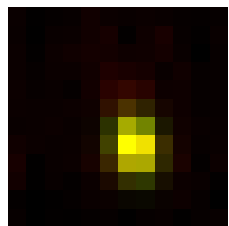
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	578 nm	602 nm	270 nm
z	2.3 μm	2.31 μm	1.3 μm
Asymmetry	0.73		
Theta	-79.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 595.905 (brightness)

B = 129.720 (background)

a = 0.741 px

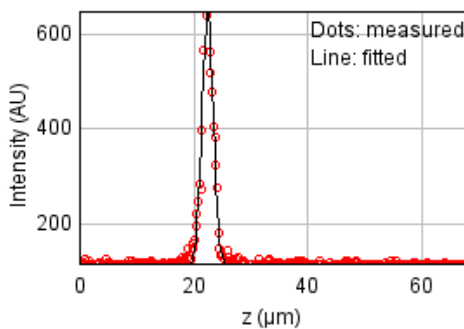
b = -0.066 px

c = 0.414 px

xc = 6.420 px

yc = 7.054 px

Z profile & fitting parameters:



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

Sum of residuals squared: 46444.1807

Standard deviation: 12.29976

R^2 : 0.97863

Parameters:

a = 113.85071

b = 647.85019

c = 22.51446

d = 0.97579

Bead 1119

Date : Mon Oct 17 13:51:45 PDT 2022

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

Frame size : 12 pixels

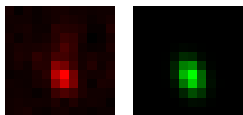
Coordinates : 118 μm (x), -31.2 μm (y), 21.2 μm (z)

Corresponding bead : Not found

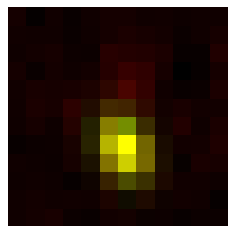
FWHM	Non corrected	Corrected	Theoretical
min	441 nm	460 nm	270 nm
max	620 nm	646 nm	270 nm
z	2.34 μm	2.35 μm	1.3 μm
Asymmetry	0.712		
Theta	-67.8°		

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 = 261.368 (brightness)

B = 117.043 (background)

a = 0.640 px

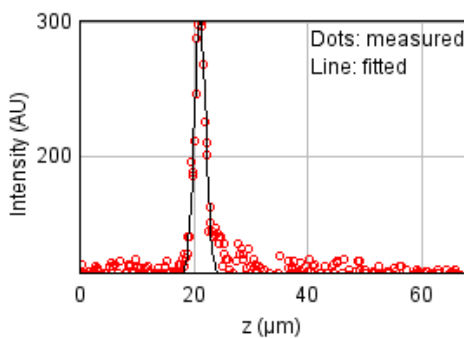
b = -0.119 px

c = 0.397 px

xc = 5.808 px

yc = 7.182 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22743.6252

Standard deviation: 8.60718

R^2 : 0.92219

Parameters:

a = 113.67428

b = 302.15346

c = 21.17777

d = 0.99340

Bead 1120

Date : Mon Oct 17 13:51:45 PDT 2022

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

Frame size : 12 pixels

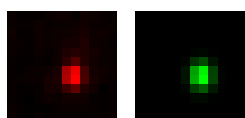
Coordinates : -87.4 μm (x), -36.3 μm (y), 22.0 μm (z)

Corresponding bead : Not found

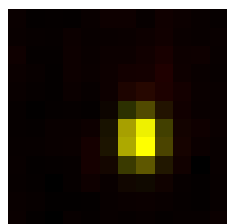
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	487 nm	508 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.807		
Theta	89.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 615.746 (brightness)

B = 122.549 (background)

a = 0.866 px

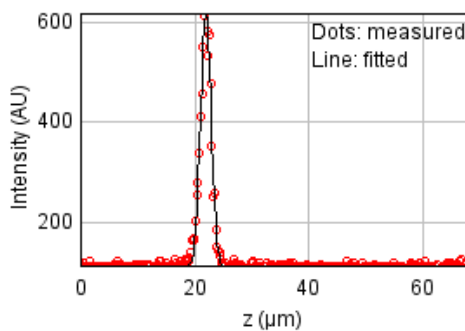
b = 0.000 px

c = 0.565 px

$x_c = 6.738$ px

$y_c = 6.551$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27596.7869

Standard deviation: 9.48113

R^2 : 0.98493

Parameters:

a = 112.95486

b = 617.34253

c = 22.03520

d = 0.92501

Bead 1121

Date : Mon Oct 17 13:51:46 PDT 2022

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

Frame size : 12 pixels

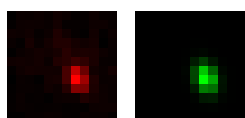
Coordinates : 130 μm (x), -84.6 μm (y), 21.6 μm (z)

Corresponding bead : Not found

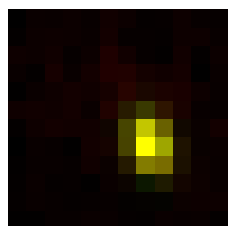
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	395 nm	270 nm
max	550 nm	573 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.69		
Theta	-72.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 357.477$ (brightness)

$B = 118.385$ (background)

$a = 0.885$ px

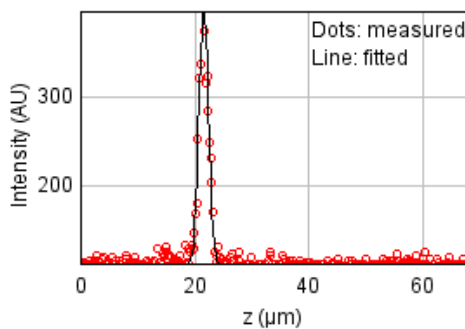
$b = -0.142$ px

$c = 0.489$ px

$x_c = 7.231$ px

$y_c = 6.830$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23983.4587

Standard deviation: 8.83867

$R^2: 0.95657$

Parameters:

$a = 111.29035$

$b = 397.58172$

$c = 21.64616$

$d = 0.83649$

Bead 1122 (Rejected)

Date : Mon Oct 17 13:51:46 PDT 2022

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

Frame size : 12 pixels

Coordinates : 155 um (x), 78.7 um (y), 21.8 um (z)

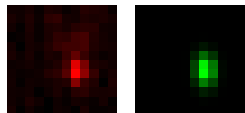
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

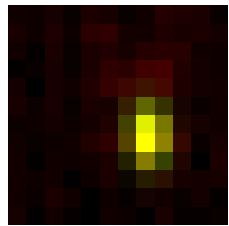
FWHM	Non corrected	Corrected	Theoretical
min	368 nm	383 nm	270 nm
max	588 nm	613 nm	270 nm
z	2.31 um	2.32 um	1.3 um
Asymmetry	0.625		
Theta	-88.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 198.207 (brightness)

B = 118.698 (background)

a = 0.993 px

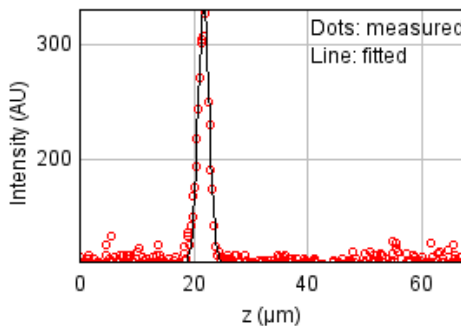
b = -0.017 px

c = 0.388 px

xc = 7.157 px

yc = 6.586 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17031.4033

Standard deviation: 7.44828

R^2 : 0.95530

Parameters:

a = 110.74321

b = 330.94998

c = 21.83083

d = 0.98211

Bead 1123

Date : Mon Oct 17 13:51:46 PDT 2022

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

Frame size : 12 pixels

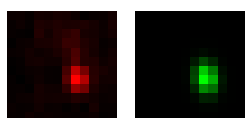
Coordinates : 73.1 μm (x), 69.9 μm (y), 22.2 μm (z)

Corresponding bead : Not found

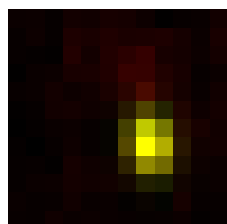
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	565 nm	588 nm	270 nm
z	2.28 μm	2.29 μm	1.3 μm
Asymmetry	0.705		
Theta	-81.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.901$



Parameters:

$A = 306.114$ (brightness)

$B = 120.399$ (background)

$a = 0.836$ px

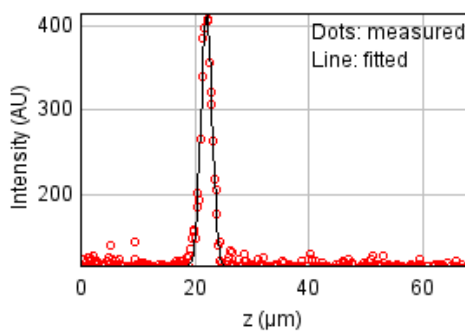
$b = -0.066$ px

$c = 0.431$ px

$x_c = 7.251$ px

$y_c = 6.818$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19677.1991

Standard deviation: 8.00594

$R^2: 0.97164$

Parameters:

$a = 113.86941$

$b = 415.84145$

$c = 22.15786$

$d = 0.96647$

Bead 1124 (Rejected)

Date : Mon Oct 17 13:51:46 PDT 2022

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

Frame size : 12 pixels

Coordinates : 106 μm (x), 56.4 μm (y), 20.9 μm (z)

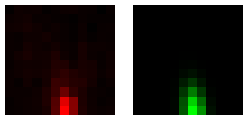
Corresponding bead : Not found

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

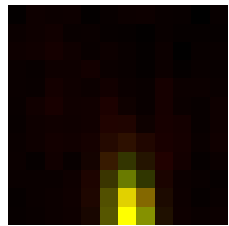
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	927 nm	966 nm	270 nm
z	4.08 μm	4.09 μm	1.3 μm
Asymmetry	0.432		
Theta	-84.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 416.967 (brightness)

B = 121.918 (background)

a = 0.831 px

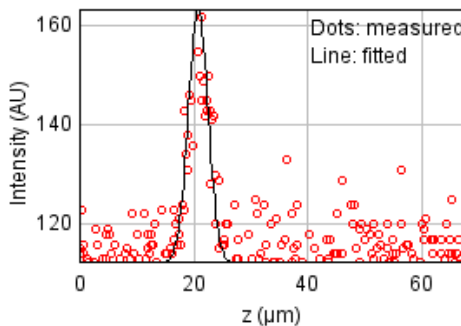
b = -0.064 px

c = 0.162 px

xc = 6.173 px

yc = 11.190 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13444.2527

Standard deviation: 6.61758

R^2 : 0.71017

Parameters:

a = 112.14234

b = 163.10557

c = 20.86020

d = 1.73105

Bead 1125 (Rejected)

Date : Mon Oct 17 13:51:46 PDT 2022

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

Frame size : 12 pixels

Coordinates : 135 μm (x), 56.3 μm (y), 21.4 μm (z)

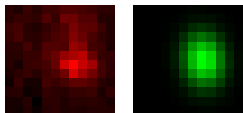
Corresponding bead : Not found

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

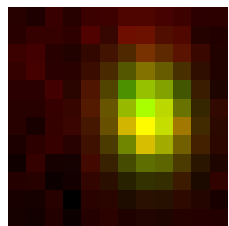
FWHM	Non corrected	Corrected	Theoretical
min	755 nm	786 nm	270 nm
max	998 nm	1.04 μm	270 nm
z	2.36 μm	2.37 μm	1.3 μm
Asymmetry	0.756		
Theta	-83.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.795$



Parameters:

A = 111.873 (brightness)

B = 119.082 (background)

a = 0.234 px

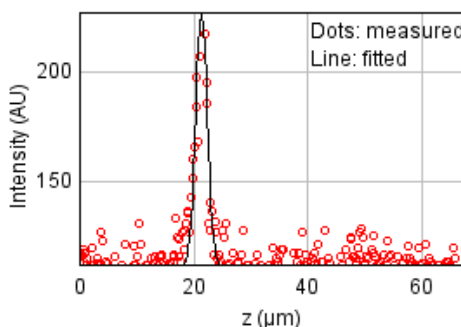
b = -0.012 px

c = 0.136 px

xc = 7.187 px

yc = 5.498 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22764.7075

Standard deviation: 8.61116

R^2 : 0.81885

Parameters:

a = 111.76557

b = 227.82190

c = 21.43833

d = 1.00067

Bead 1126

Date : Mon Oct 17 13:51:46 PDT 2022

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

Frame size : 12 pixels

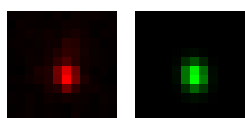
Coordinates : -27.7 μm (x), 4.6 μm (y), 22.6 μm (z)

Corresponding bead : Not found

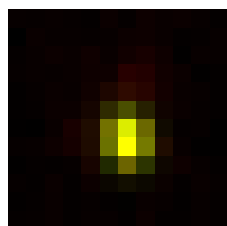
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	517 nm	538 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.801		
Theta	-81.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 660.355 (brightness)

B = 125.386 (background)

a = 0.776 px

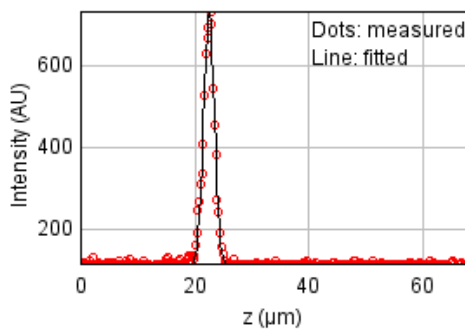
b = -0.040 px

c = 0.508 px

xc = 6.001 px

yc = 6.577 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31534.6050

Standard deviation: 10.13502

R^2 : 0.98862

Parameters:

a = 114.24182

b = 734.51265

c = 22.58384

d = 0.92887

Bead 1127

Date : Mon Oct 17 13:51:46 PDT 2022

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

Frame size : 12 pixels

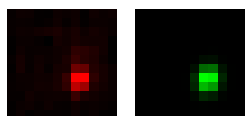
Coordinates : -98.0 μm (x), -592 nm (y), 22.7 μm (z)

Corresponding bead : Not found

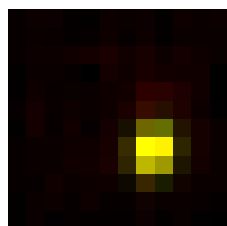
FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	469 nm	489 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.815		
Theta	78.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 538.013 (brightness)

B = 121.710 (background)

a = 0.905 px

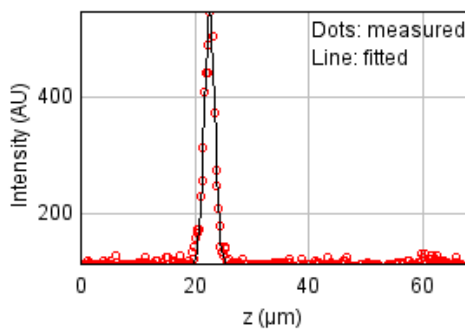
b = 0.060 px

c = 0.621 px

xc = 7.457 px

yc = 7.189 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32868.0019

Standard deviation: 10.34707

R^2 : 0.97561

Parameters:

a = 113.50163

b = 546.59849

c = 22.67865

d = 0.91365

Bead 1128 (Rejected)

Date : Mon Oct 17 13:51:46 PDT 2022

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

Frame size : 12 pixels

Coordinates : -67.0 μm (x), -6.18 μm (y), 23.1 μm (z)

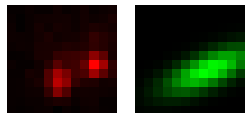
Corresponding bead : Not found

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

FWHM	Non corrected	Corrected	Theoretical
min	594 nm	618 nm	270 nm
max	1.66 μm	1.73 μm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.358		
Theta	23.1°		

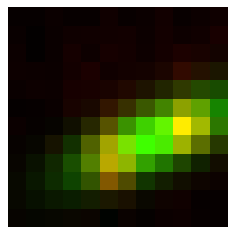
XY profile & fitting parameters :

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



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

$R^2 = 0.668$



Parameters:

$A = 316.536$ (brightness)

$B = 126.639$ (background)

$a = 0.100$ px

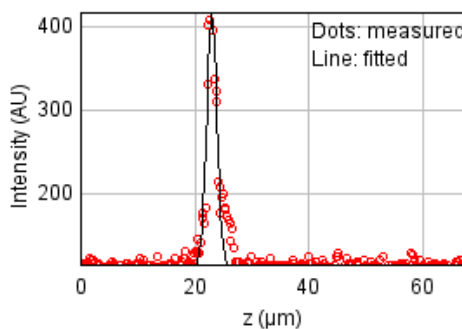
$b = 0.120$ px

$c = 0.330$ px

$xc = 7.598$ px

$yc = 6.584$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 56052.4197

Standard deviation: 13.51226

$R^2: 0.91839$

Parameters:

$a = 114.22596$

$b = 417.52029$

$c = 23.07403$

$d = 0.89285$

Bead 1129

Date : Mon Oct 17 13:51:46 PDT 2022

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

Frame size : 12 pixels

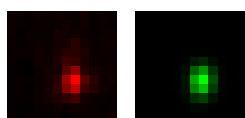
Coordinates : 60.0 μm (x), -60.4 μm (y), 22.5 μm (z)

Corresponding bead : Not found

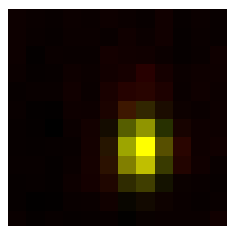
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	569 nm	593 nm	270 nm
z	1.77 μm	1.77 μm	1.3 μm
Asymmetry	0.717		
Theta	87.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 452.571$ (brightness)

$B = 122.005$ (background)

$a = 0.805$ px

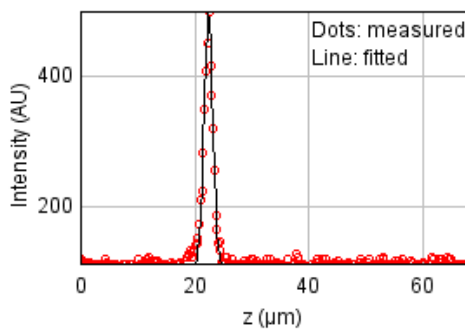
$b = 0.014$ px

$c = 0.415$ px

$x_c = 6.768$ px

$y_c = 7.156$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23365.8774

Standard deviation: 8.72412

$R^2: 0.97352$

Parameters:

$a = 112.79503$

$b = 497.40810$

$c = 22.47635$

$d = 0.75011$

Bead 1130

Date : Mon Oct 17 13:51:47 PDT 2022

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

Frame size : 12 pixels

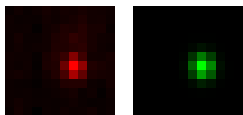
Coordinates : 161 μm (x), -69.4 μm (y), 22.6 μm (z)

Corresponding bead : Not found

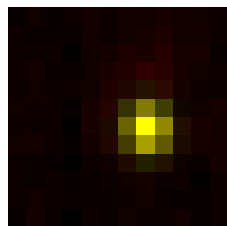
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	472 nm	492 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.87		
Theta	-83.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.947$



Parameters:

A = 396.469 (brightness)

B = 118.210 (background)

a = 0.793 px

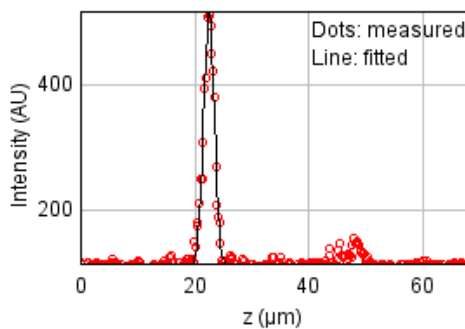
b = -0.022 px

c = 0.605 px

xc = 7.103 px

yc = 6.114 px

Z profile & fitting parameters:



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

Sum of residuals squared: 35407.9118

Standard deviation: 10.73942

R^2 : 0.97017

Parameters:

a = 113.70167

b = 516.52506

c = 22.57607

d = 0.92575

Bead 1131

Date : Mon Oct 17 13:51:47 PDT 2022

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

Frame size : 12 pixels

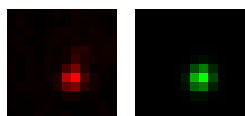
Coordinates : -149 μm (x), -88.8 μm (y), 22.8 μm (z)

Corresponding bead : Not found

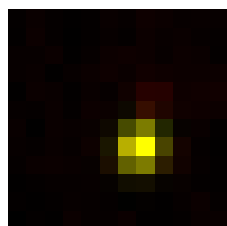
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	439 nm	457 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.891		
Theta	67.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 491.305 (brightness)

B = 120.345 (background)

a = 0.852 px

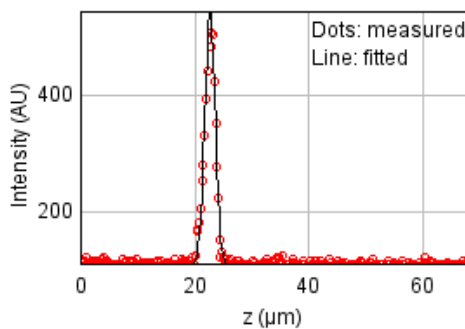
b = 0.065 px

c = 0.725 px

xc = 6.718 px

yc = 7.023 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24423.0954

Standard deviation: 8.91931

R^2 : 0.98181

Parameters:

a = 110.35674

b = 547.03801

c = 22.75435

d = 0.90025

Bead 1132 (Rejected)

Date : Mon Oct 17 13:51:47 PDT 2022

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

Frame size : 12 pixels

Coordinates : 15.3 μm (x), 55.2 μm (y), 22.3 μm (z)

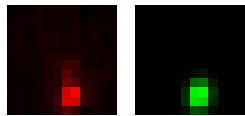
Corresponding bead : Not found

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

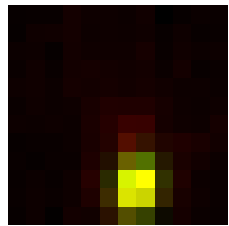
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	523 nm	545 nm	270 nm
z	3.8 μm	3.82 μm	1.3 μm
Asymmetry	0.755		
Theta	81.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 538.845 (brightness)

B = 127.600 (background)

a = 0.851 px

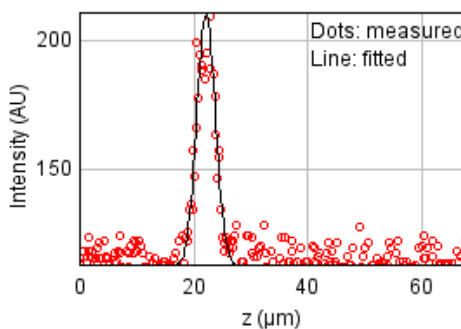
b = 0.057 px

c = 0.499 px

xc = 6.501 px

yc = 9.373 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14125.5547

Standard deviation: 6.78318

R^2 : 0.89033

Parameters:

a = 112.99872

b = 211.11977

c = 22.25078

d = 1.61489

Bead 1133

Date : Mon Oct 17 13:51:47 PDT 2022

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

Frame size : 12 pixels

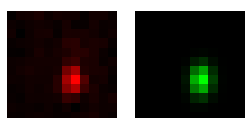
Coordinates : -160 μm (x), 50.5 μm (y), 22.0 μm (z)

Corresponding bead : Not found

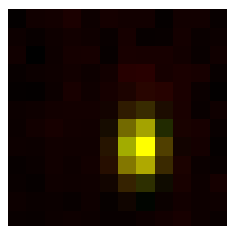
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	558 nm	581 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.694		
Theta	87.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 302.933$ (brightness)

$B = 115.078$ (background)

$a = 0.895$ px

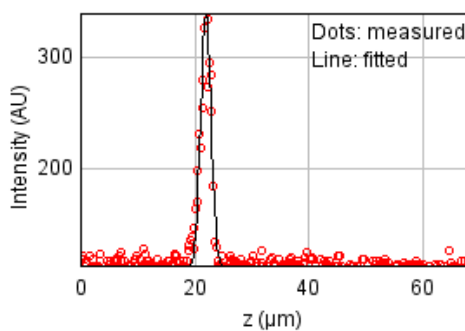
$b = 0.018$ px

$c = 0.432$ px

$x_c = 6.720$ px

$y_c = 7.036$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25785.5463

Standard deviation: 9.16472

$R^2: 0.93319$

Parameters:

$a = 111.15901$

$b = 340.11203$

$c = 22.03232$

$d = 0.89473$

Bead 1134

Date : Mon Oct 17 13:51:47 PDT 2022

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

Frame size : 12 pixels

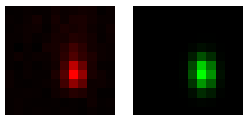
Coordinates : 41.2 μm (x), 23.7 μm (y), 22.7 μm (z)

Corresponding bead : Not found

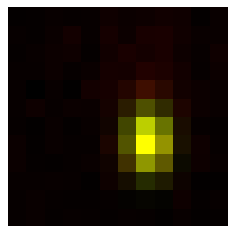
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	604 nm	629 nm	270 nm
z	2.29 μm	2.3 μm	1.3 μm
Asymmetry	0.665		
Theta	-88.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 495.521 (brightness)

B = 121.549 (background)

a = 0.830 px

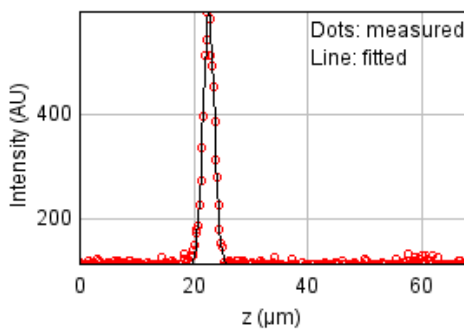
b = -0.013 px

c = 0.368 px

xc = 7.162 px

yc = 6.794 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21437.6739

Standard deviation: 8.35641

R^2 : 0.98761

Parameters:

a = 114.53398

b = 593.72607

c = 22.70686

d = 0.97321

Bead 1135

Date : Mon Oct 17 13:51:47 PDT 2022

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

Frame size : 12 pixels

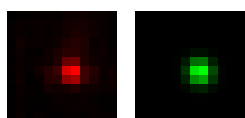
Coordinates : -61.0 μm (x), -29.6 μm (y), 23.0 μm (z)

Corresponding bead : Not found

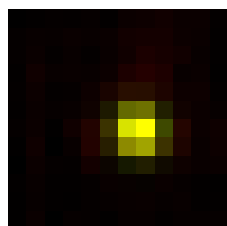
FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	465 nm	485 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.945		
Theta	-69.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 636.526 (brightness)

B = 124.220 (background)

a = 0.684 px

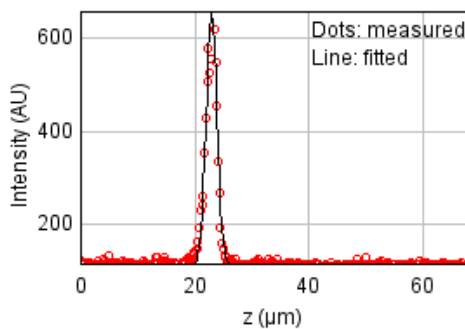
b = -0.024 px

c = 0.629 px

xc = 6.592 px

yc = 6.132 px

Z profile & fitting parameters:



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

Sum of residuals squared: 52402.9490

Standard deviation: 13.06498

R^2 : 0.97632

Parameters:

a = 113.57409

b = 658.90341

c = 23.02169

d = 0.94895

Bead 1136 (Rejected)

Date : Mon Oct 17 13:51:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : 72.5 μm (x), -34.5 μm (y), 19.7 μm (z)

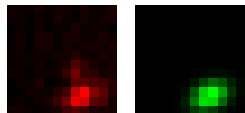
Corresponding bead : Not found

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

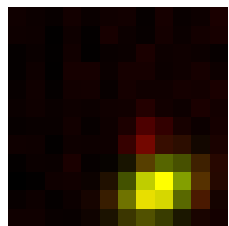
FWHM	Non corrected	Corrected	Theoretical
min	470 nm	489 nm	270 nm
max	686 nm	714 nm	270 nm
z	2.72 μm	2.73 μm	1.3 μm
Asymmetry	0.685		
Theta	25.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.885$



Parameters:

A = 299.012 (brightness)

B = 122.793 (background)

a = 0.347 px

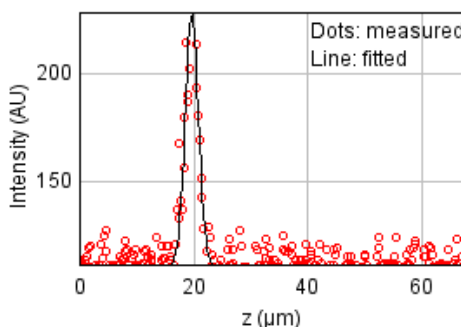
b = 0.127 px

c = 0.547 px

xc = 7.659 px

yc = 9.425 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17468.4828

Standard deviation: 7.54325

R^2 : 0.87253

Parameters:

a = 111.55407

b = 228.47760

c = 19.73819

d = 1.15549

Bead 1137

Date : Mon Oct 17 13:51:48 PDT 2022

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

Frame size : 12 pixels

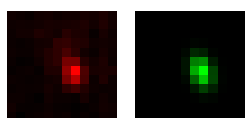
Coordinates : 141 μm (x), -41.1 μm (y), 22.3 μm (z)

Corresponding bead : Not found

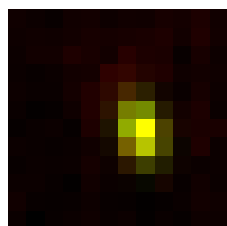
FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	586 nm	611 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.651		
Theta	-72.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 281.340 (brightness)

B = 117.755 (background)

a = 0.875 px

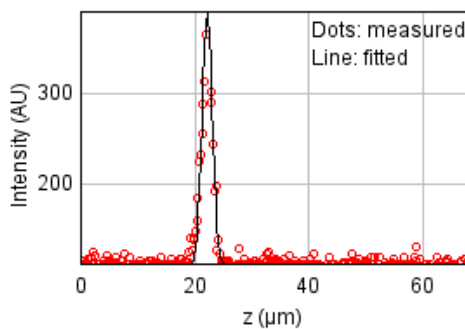
b = -0.150 px

c = 0.437 px

xc = 6.745 px

yc = 6.108 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21633.8913

Standard deviation: 8.39456

R^2 : 0.96136

Parameters:

a = 110.46112

b = 391.34859

c = 22.27621

d = 0.88802

Bead 1138

Date : Mon Oct 17 13:51:48 PDT 2022

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

Frame size : 12 pixels

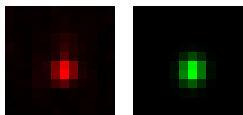
Coordinates : -76.3 μm (x), -44.2 μm (y), 23.1 μm (z)

Corresponding bead : Not found

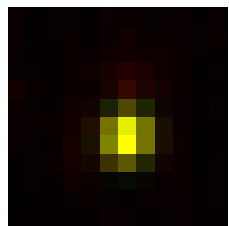
FWHM	Non corrected	Corrected	Theoretical
min	426 nm	444 nm	270 nm
max	490 nm	510 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.87		
Theta	78.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 666.374 (brightness)

B = 123.061 (background)

a = 0.732 px

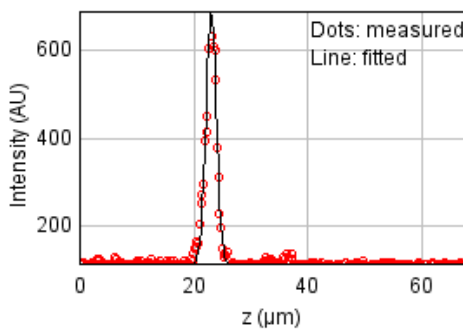
b = 0.036 px

c = 0.567 px

xc = 5.973 px

yc = 6.565 px

Z profile & fitting parameters:



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

Sum of residuals squared: 58662.3895

Standard deviation: 13.82327

R^2 : 0.97533

Parameters:

a = 114.53229

b = 688.96933

c = 23.13035

d = 0.91613

Bead 1139 (Rejected)

Date : Mon Oct 17 13:51:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : -164 μm (x), 76.3 μm (y), 22.0 μm (z)

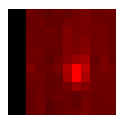
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.57 μm	2.58 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

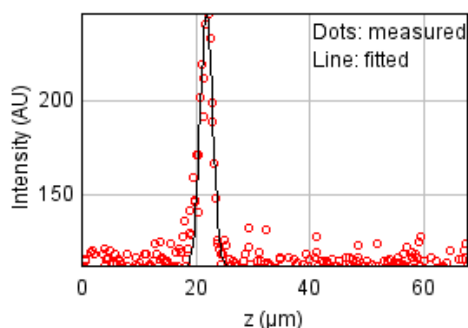
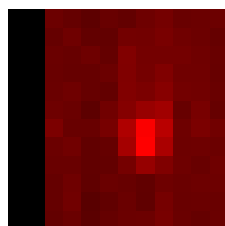
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 20673.0211

Standard deviation: 8.20602

R²: 0.87948

Parameters:

a = 111.44682

b = 246.40898

c = 21.95432

d = 1.09017

Bead 1140

Date : Mon Oct 17 13:51:48 PDT 2022

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

Frame size : 12 pixels

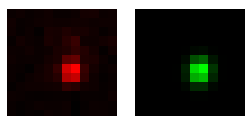
Coordinates : -120 μm (x), 59.0 μm (y), 23.1 μm (z)

Corresponding bead : Not found

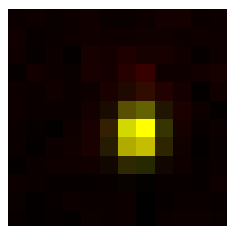
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	465 nm	484 nm	270 nm
z	2.3 μm	2.31 μm	1.3 μm
Asymmetry	0.841		
Theta	83.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 425.225$ (brightness)

$B = 121.864$ (background)

$a = 0.875$ px

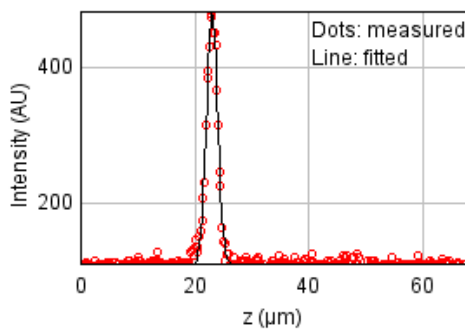
$b = 0.030$ px

$c = 0.625$ px

$x_c = 6.582$ px

$y_c = 6.280$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18662.1010

Standard deviation: 7.79670

$R^2: 0.98211$

Parameters:

$a = 111.48222$

$b = 481.56437$

$c = 23.11145$

$d = 0.97862$

Bead 1141 (Rejected)

Date : Mon Oct 17 13:51:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : 84.7 μm (x), 38.0 μm (y), 20.4 μm (z)

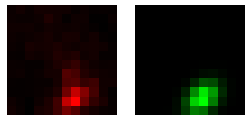
Corresponding bead : Not found

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

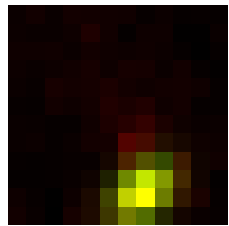
FWHM	Non corrected	Corrected	Theoretical
min	462 nm	481 nm	270 nm
max	657 nm	684 nm	270 nm
z	3.9 μm	3.91 μm	1.3 μm
Asymmetry	0.703		
Theta	43.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.902$



Parameters:

A = 284.401 (brightness)

B = 121.979 (background)

a = 0.463 px

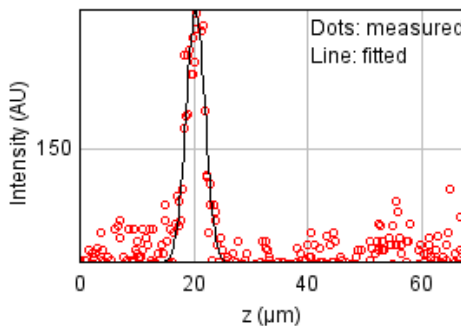
b = 0.159 px

c = 0.477 px

xc = 6.834 px

yc = 9.662 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15985.5157

Standard deviation: 7.21596

R^2 : 0.83934

Parameters:

a = 112.97073

b = 195.80025

c = 20.39583

d = 1.65407

Bead 1142 (Rejected)

Date : Mon Oct 17 13:51:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : -67.7 μm (x), 8.96 μm (y), 20.0 μm (z)

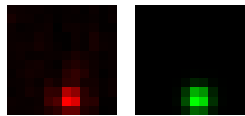
Corresponding bead : Not found

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

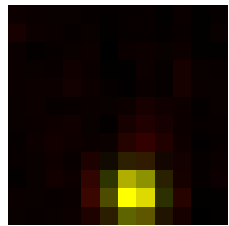
FWHM	Non corrected	Corrected	Theoretical
min	442 nm	460 nm	270 nm
max	452 nm	471 nm	270 nm
z	3.35 μm	3.37 μm	1.3 μm
Asymmetry	0.978		
Theta	-80.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 516.626 (brightness)

B = 126.043 (background)

a = 0.687 px

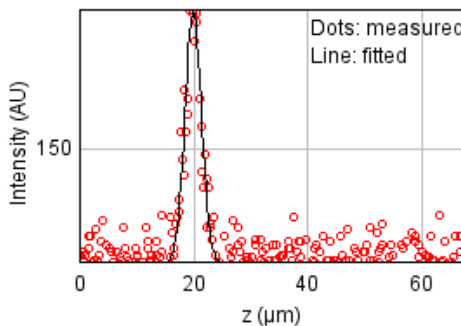
b = -0.005 px

c = 0.658 px

xc = 6.382 px

yc = 9.790 px

Z profile & fitting parameters:



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

Sum of residuals squared: 12659.8190

Standard deviation: 6.42162

R^2 : 0.85101

Parameters:

a = 113.16675

b = 195.70671

c = 19.98529

d = 1.42342

Bead 1143

Date : Mon Oct 17 13:51:48 PDT 2022

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

Frame size : 12 pixels

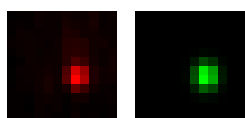
Coordinates : -138 μm (x), 1.08 μm (y), 22.9 μm (z)

Corresponding bead : Not found

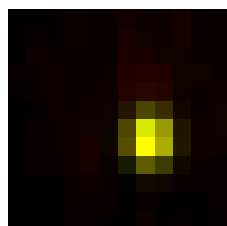
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	488 nm	508 nm	270 nm
z	2.29 μm	2.29 μm	1.3 μm
Asymmetry	0.843		
Theta	-89.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 598.138 (brightness)

B = 124.692 (background)

a = 0.792 px

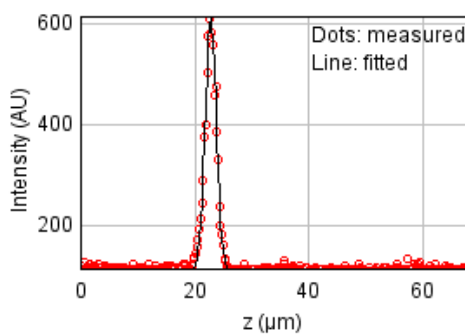
b = -0.001 px

c = 0.563 px

$x_c = 7.246$ 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: 25066.4785

Standard deviation: 9.03603

R^2 : 0.98684

Parameters:

a = 112.17669

b = 615.40652

c = 22.88773

d = 0.97051

Bead 1144

Date : Mon Oct 17 13:51:48 PDT 2022

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

Frame size : 12 pixels

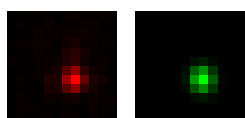
Coordinates : -37.0 μm (x), -15.1 μm (y), 23.2 μm (z)

Corresponding bead : Not found

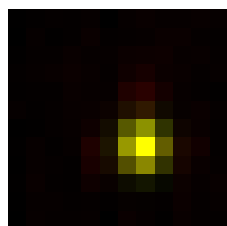
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	472 nm	492 nm	270 nm
z	1.87 μm	1.87 μm	1.3 μm
Asymmetry	0.888		
Theta	-85.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 760.679 (brightness)

B = 124.941 (background)

a = 0.763 px

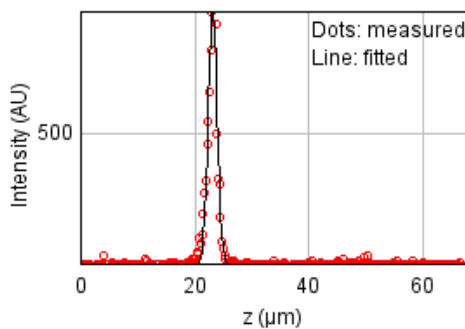
b = -0.012 px

c = 0.603 px

xc = 6.836 px

yc = 6.964 px

Z profile & fitting parameters:



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

Sum of residuals squared: 81974.1977

Standard deviation: 16.34065

R^2 : 0.97678

Parameters:

a = 115.05193

b = 865.54047

c = 23.21653

d = 0.79278

Bead 1145

Date : Mon Oct 17 13:51:49 PDT 2022

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

Frame size : 12 pixels

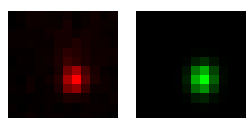
Coordinates : 114 μm (x), -32.9 μm (y), 23.1 μm (z)

Corresponding bead : Not found

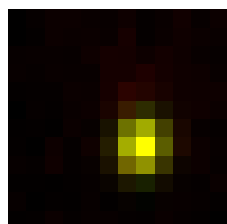
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	530 nm	552 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.825		
Theta	86.7°		

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 = 505.330 (brightness)

B = 120.526 (background)

a = 0.701 px

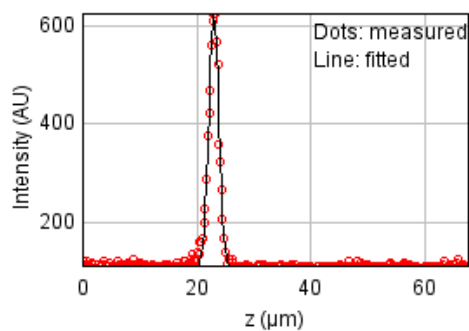
b = 0.013 px

c = 0.479 px

$x_c = 6.777$ px

$y_c = 6.923$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21236.3888

Standard deviation: 8.31709

R^2 : 0.98815

Parameters:

a = 112.23574

b = 624.38208

c = 23.06565

d = 0.87869

Bead 1146 (Rejected)

Date : Mon Oct 17 13:51:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : -12.7 μm (x), -49.4 μm (y), 23.3 μm (z)

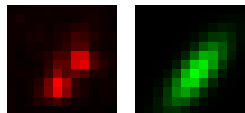
Corresponding bead : Not found

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

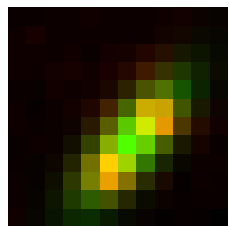
FWHM	Non corrected	Corrected	Theoretical
min	550 nm	573 nm	270 nm
max	1.41 μm	1.47 μm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.391		
Theta	51.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.750$



Parameters:

A = 445.451 (brightness)

B = 124.147 (background)

a = 0.295 px

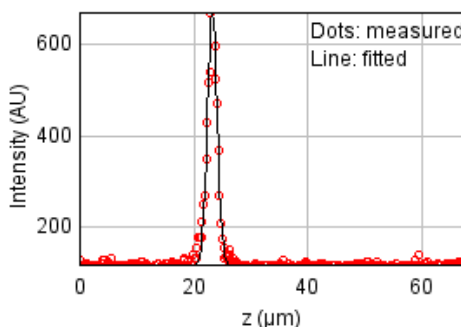
b = 0.183 px

c = 0.216 px

xc = 6.241 px

yc = 6.853 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30245.8976

Standard deviation: 9.92577

R^2 : 0.98555

Parameters:

a = 114.41761

b = 670.72419

c = 23.33178

d = 0.86652

Bead 1147

Date : Mon Oct 17 13:51:49 PDT 2022

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

Frame size : 12 pixels

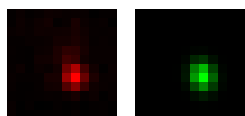
Coordinates : 113 μm (x), -61.7 μm (y), 23.1 μm (z)

Corresponding bead : Not found

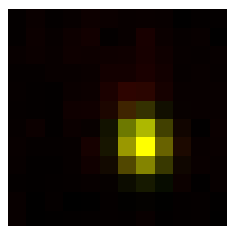
FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	526 nm	548 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.804		
Theta	-78.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 527.628$ (brightness)

$B = 122.695$ (background)

$a = 0.738$ px

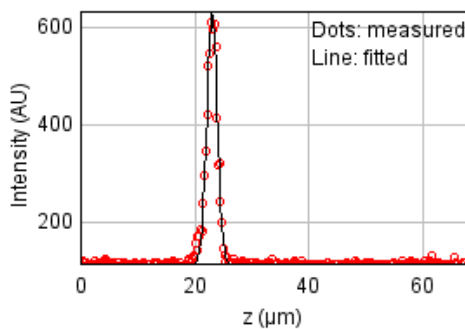
$b = -0.052$ px

$c = 0.495$ px

$x_c = 6.840$ px

$y_c = 6.816$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25506.9295

Standard deviation: 9.11507

$R^2 = 0.98682$

Parameters:

$a = 112.16306$

$b = 634.04915$

$c = 23.11269$

$d = 0.91382$

Bead 1148

Date : Mon Oct 17 13:51:49 PDT 2022

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

Frame size : 12 pixels

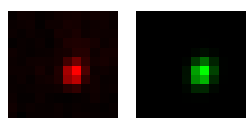
Coordinates : -148 μm (x), -69.0 μm (y), 22.7 μm (z)

Corresponding bead : Not found

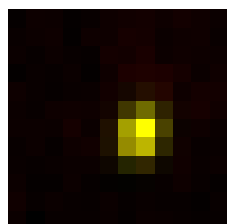
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	394 nm	270 nm
max	484 nm	504 nm	270 nm
z	2.41 μm	2.42 μm	1.3 μm
Asymmetry	0.781		
Theta	72.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 457.331$ (brightness)

$B = 117.822$ (background)

$a = 0.907$ px

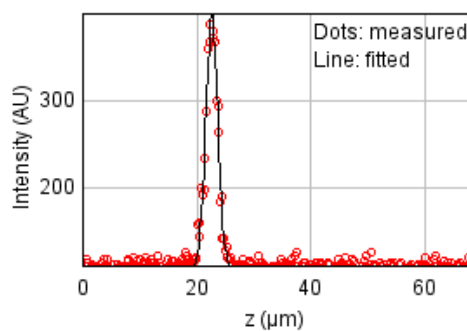
$b = 0.103$ px

$c = 0.604$ px

$x_c = 6.728$ px

$y_c = 6.261$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19368.1498

Standard deviation: 7.94282

$R^2: 0.97080$

Parameters:

$a = 111.41793$

$b = 398.54115$

$c = 22.71938$

$d = 1.02441$

Bead 1149

Date : Mon Oct 17 13:51:49 PDT 2022

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

Frame size : 12 pixels

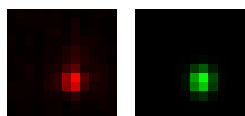
Coordinates : -58.3 μm (x), -71.0 μm (y), 22.9 μm (z)

Corresponding bead : Not found

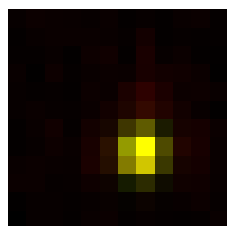
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	458 nm	477 nm	270 nm
z	2.05 μm	2.05 μm	1.3 μm
Asymmetry	0.857		
Theta	87.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 492.244 (brightness)

B = 122.341 (background)

a = 0.872 px

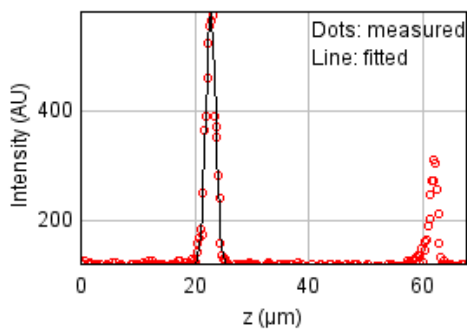
b = 0.012 px

c = 0.642 px

xc = 6.783 px

yc = 7.307 px

Z profile & fitting parameters:



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

Sum of residuals squared: 225907.696

Standard deviation: 27.12666

R^2 : 0.86481

Parameters:

a = 118.93878

b = 584.00594

c = 22.87918

d = 0.86884

Bead 1150 (Rejected)

Date : Mon Oct 17 13:51:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : -3.4 μm (x), -83.1 μm (y), 61.1 μm (z)

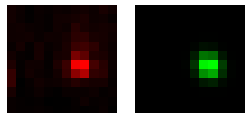
Corresponding bead : Not found

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

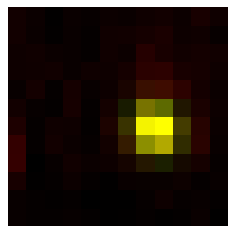
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	467 nm	486 nm	270 nm
z	3.19 μm	3.2 μm	1.3 μm
Asymmetry	0.888		
Theta	-66.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.911$



Parameters:

A = 481.136 (brightness)

B = 128.903 (background)

a = 0.754 px

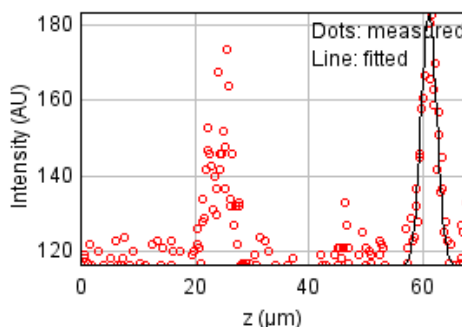
b = -0.061 px

c = 0.642 px

xc = 7.543 px

yc = 6.137 px

Z profile & fitting parameters:



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

Sum of residuals squared: 37823.1314

Standard deviation: 11.09966

R^2 : 0.54844

Parameters:

a = 116.13135

b = 183.45477

c = 61.11352

d = 1.35392

Bead 1151

Date : Mon Oct 17 13:51:49 PDT 2022

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

Frame size : 12 pixels

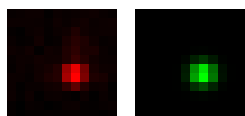
Coordinates : -75.3 μm (x), -83.8 μm (y), 22.5 μm (z)

Corresponding bead : Not found

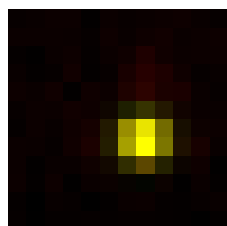
FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	465 nm	485 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.943		
Theta	3.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 464.446 (brightness)

B = 121.932 (background)

a = 0.620 px

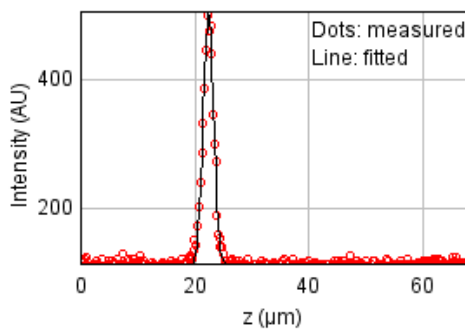
b = 0.004 px

c = 0.696 px

xc = 6.881 px

yc = 6.581 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16820.8812

Standard deviation: 7.40210

R^2 : 0.98442

Parameters:

a = 114.33585

b = 505.68347

c = 22.47806

d = 0.90416

Bead 1152

Date : Mon Oct 17 13:51:50 PDT 2022

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

Frame size : 12 pixels

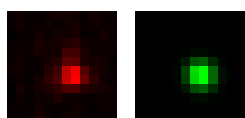
Coordinates : 2.78 μm (x), -84.7 μm (y), 23.1 μm (z)

Corresponding bead : Not found

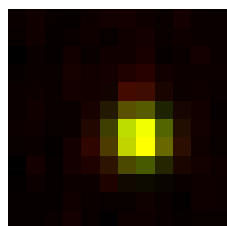
FWHM	Non corrected	Corrected	Theoretical
min	496 nm	517 nm	270 nm
max	513 nm	534 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.967		
Theta	-63.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 452.290 (brightness)

B = 120.837 (background)

a = 0.538 px

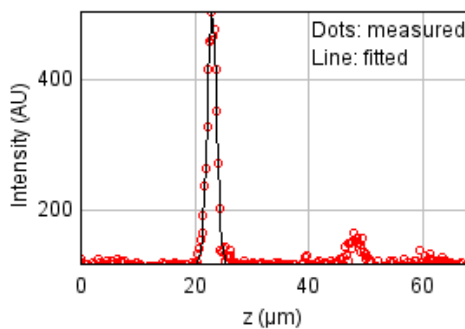
b = -0.014 px

c = 0.518 px

xc = 6.654 px

yc = 6.487 px

Z profile & fitting parameters:



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

Sum of residuals squared: 38543.4054

Standard deviation: 11.20485

R^2 : 0.96079

Parameters:

a = 117.03478

b = 502.39074

c = 23.09218

d = 0.82500

Bead 1153

Date : Mon Oct 17 13:51:50 PDT 2022

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

Frame size : 12 pixels

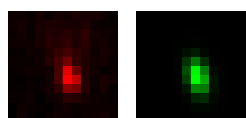
Coordinates : 77.9 μm (x), 86.2 μm (y), 22.9 μm (z)

Corresponding bead : Not found

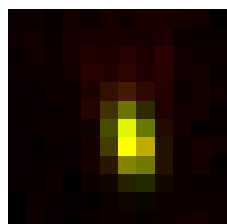
FWHM	Non corrected	Corrected	Theoretical
min	372 nm	388 nm	270 nm
max	649 nm	676 nm	270 nm
z	2.17 μm	2.18 μm	1.3 μm
Asymmetry	0.574		
Theta	-76.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 373.682 (brightness)

B = 121.358 (background)

a = 0.930 px

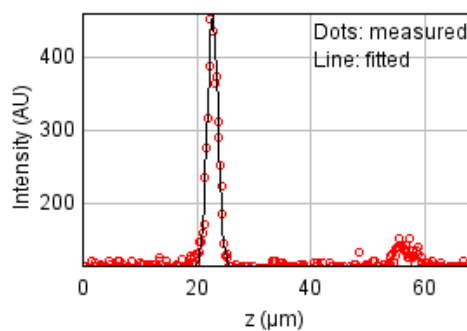
b = -0.152 px

c = 0.357 px

xc = 6.232 px

yc = 6.659 px

Z profile & fitting parameters:



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

Sum of residuals squared: 34063.7095

Standard deviation: 10.53360

R^2 : 0.96098

Parameters:

a = 115.60155

b = 460.35345

c = 22.86652

d = 0.92049

Bead 1154 (Rejected)

Date : Mon Oct 17 13:51:50 PDT 2022

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

Frame size : 12 pixels

Coordinates : 135 μm (x), 56.3 μm (y), 21.4 μm (z)

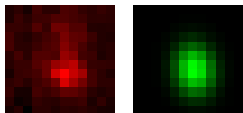
Corresponding bead : Not found

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

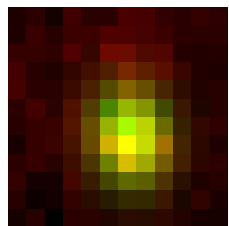
FWHM	Non corrected	Corrected	Theoretical
min	730 nm	760 nm	270 nm
max	943 nm	982 nm	270 nm
z	2.36 μm	2.37 μm	1.3 μm
Asymmetry	0.774		
Theta	-82.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.792$



Parameters:

A = 113.338 (brightness)

B = 120.932 (background)

a = 0.251 px

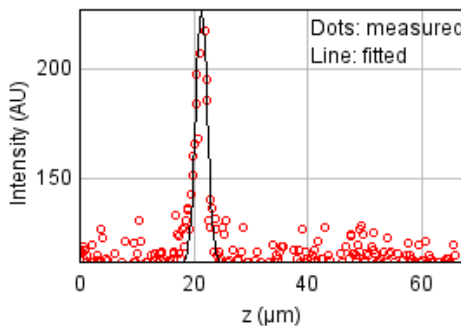
b = -0.013 px

c = 0.153 px

xc = 6.193 px

yc = 6.556 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22764.7075

Standard deviation: 8.61116

R^2 : 0.81885

Parameters:

a = 111.76557

b = 227.82190

c = 21.43833

d = 1.00067

Bead 1155 (Rejected)

Date : Mon Oct 17 13:51:50 PDT 2022

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

Frame size : 12 pixels

Coordinates : 9.81 μm (x), 34.3 μm (y), 23.2 μm (z)

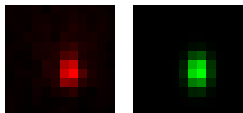
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

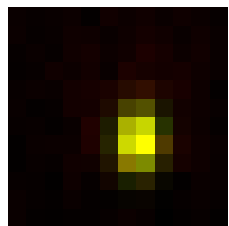
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	584 nm	609 nm	270 nm
z	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.691		
Theta	88.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 505.124 (brightness)

B = 122.915 (background)

a = 0.822 px

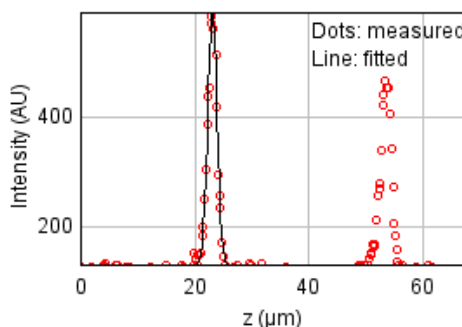
b = 0.013 px

c = 0.393 px

xc = 6.603 px

yc = 6.739 px

Z profile & fitting parameters:



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

Sum of residuals squared: 971265.196

Standard deviation: 56.24705

R^2 : 0.58488

Parameters:

a = 128.77824

b = 593.80315

c = 23.16807

d = 0.82068

Bead 1156

Date : Mon Oct 17 13:51:50 PDT 2022

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

Frame size : 12 pixels

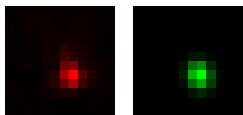
Coordinates : 3.46 μm (x), 29.6 μm (y), 23.9 μm (z)

Corresponding bead : Not found

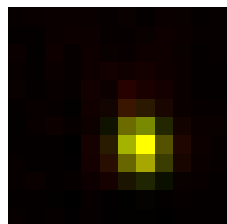
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	510 nm	531 nm	270 nm
z	1.81 μm	1.82 μm	1.3 μm
Asymmetry	0.82		
Theta	-75.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 787.989$ (brightness)

$B = 129.515$ (background)

$a = 0.751$ px

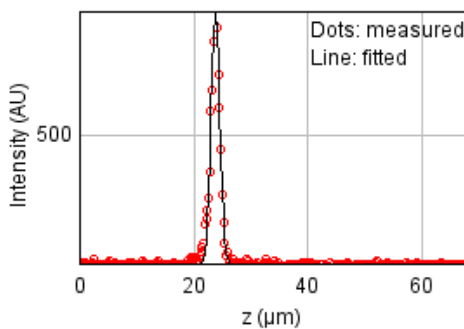
$b = -0.060$ px

$c = 0.531$ px

$x_c = 6.746$ px

$y_c = 7.062$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 44526.4335

Standard deviation: 12.04314

$R^2: 0.98734$

Parameters:

$a = 114.71134$

$b = 878.41314$

$c = 23.88583$

$d = 0.76975$

Bead 1157 (Rejected)

Date : Mon Oct 17 13:51:50 PDT 2022

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

Frame size : 12 pixels

Coordinates : -113 μm (x), 16.5 μm (y), 10.3 μm (z)

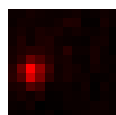
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.22 μm	3.23 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

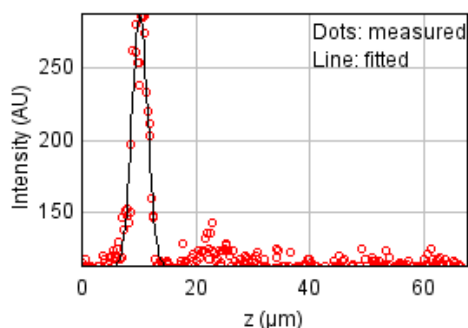
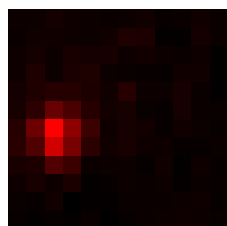
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 31863.4696

Standard deviation: 10.18773

R^2 : 0.90688

Parameters:

$a = 113.05451$

$b = 287.31728$

$c = 10.29046$

$d = 1.36600$

Bead 1158

Date : Mon Oct 17 13:51:50 PDT 2022

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

Frame size : 12 pixels

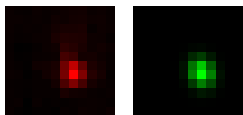
Coordinates : 57.0 μm (x), -8.41 μm (y), 23.3 μm (z)

Corresponding bead : Not found

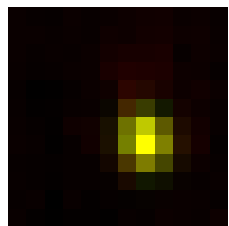
FWHM	Non corrected	Corrected	Theoretical
min	435 nm	454 nm	270 nm
max	538 nm	560 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.809		
Theta	-74.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 481.222 (brightness)

B = 121.555 (background)

a = 0.691 px

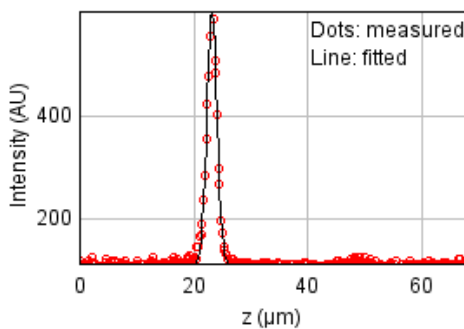
b = -0.062 px

c = 0.480 px

xc = 6.977 px

yc = 6.747 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17260.5885

Standard deviation: 7.49823

R^2 : 0.98942

Parameters:

a = 114.42776

b = 599.70769

c = 23.26687

d = 0.89204

Bead 1159

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

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

Frame size : 12 pixels

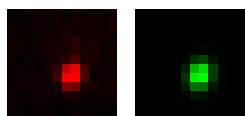
Coordinates : -160 μm (x), -13.0 μm (y), 23.0 μm (z)

Corresponding bead : Not found

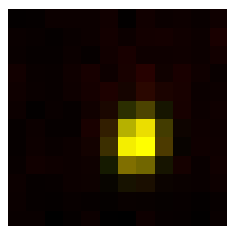
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	514 nm	535 nm	270 nm
z	2.36 μm	2.37 μm	1.3 μm
Asymmetry	0.798		
Theta	73.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.971$



Parameters:

$A = 426.667$ (brightness)

$B = 119.414$ (background)

$a = 0.776$ px

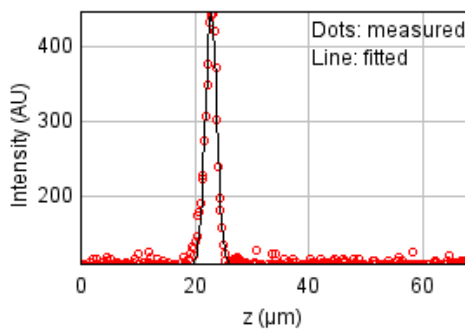
$b = 0.080$ px

$c = 0.532$ px

$x_c = 6.576$ px

$y_c = 6.695$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20062.7534

Standard deviation: 8.08400

$R^2: 0.97738$

Parameters:

$a = 110.39793$

$b = 447.00861$

$c = 22.95123$

$d = 1.00239$

Bead 1160

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

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

Frame size : 12 pixels

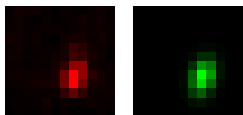
Coordinates : -108 μm (x), -22.8 μm (y), 22.8 μm (z)

Corresponding bead : Not found

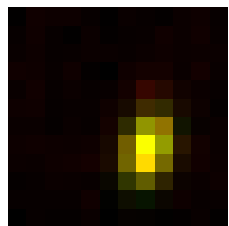
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	432 nm	270 nm
max	651 nm	678 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.637		
Theta	74.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 444.341 (brightness)

B = 118.796 (background)

a = 0.749 px

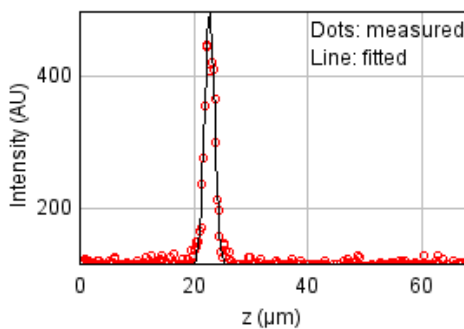
b = 0.118 px

c = 0.349 px

xc = 7.133 px

yc = 7.228 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25795.3419

Standard deviation: 9.16646

R^2 : 0.97493

Parameters:

a = 114.36862

b = 499.76770

c = 22.84866

d = 0.87869

Bead 1161

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

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

Frame size : 12 pixels

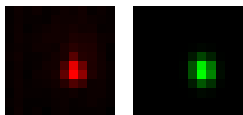
Coordinates : -87.5 μm (x), -30.2 μm (y), 23.5 μm (z)

Corresponding bead : Not found

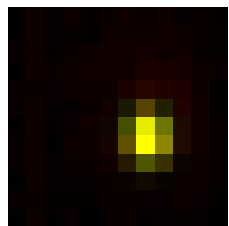
FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	480 nm	499 nm	270 nm
z	2.11 μm	2.11 μm	1.3 μm
Asymmetry	0.805		
Theta	-85.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 588.825 (brightness)

B = 121.165 (background)

a = 0.899 px

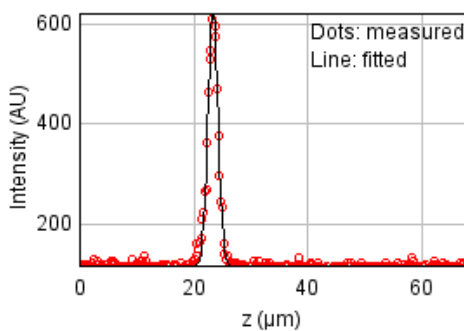
b = -0.025 px

c = 0.586 px

$x_c = 7.129$ px

$y_c = 6.573$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28526.2717

Standard deviation: 9.63947

R^2 : 0.98419

Parameters:

a = 114.70887

b = 623.13629

c = 23.45297

d = 0.89431

Bead 1162

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

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

Frame size : 12 pixels

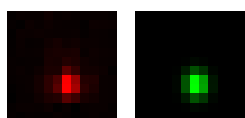
Coordinates : -36.0 μm (x), -37.2 μm (y), 23.3 μm (z)

Corresponding bead : Not found

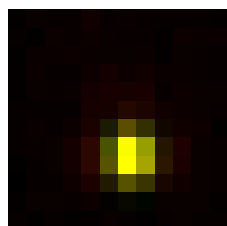
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	482 nm	502 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.858		
Theta	-87.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 742.881 (brightness)

B = 126.923 (background)

a = 0.783 px

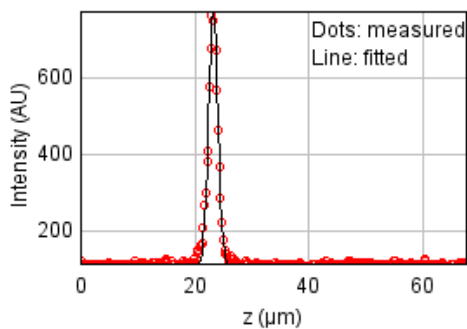
b = -0.010 px

c = 0.577 px

xc = 6.210 px

yc = 7.518 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31979.1447

Standard deviation: 10.20620

R^2 : 0.98844

Parameters:

a = 113.44483

b = 772.20535

c = 23.32147

d = 0.81697

Bead 1163

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

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

Frame size : 12 pixels

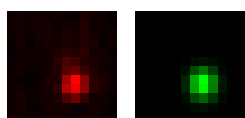
Coordinates : 81.8 μm (x), -42.0 μm (y), 23.1 μm (z)

Corresponding bead : Not found

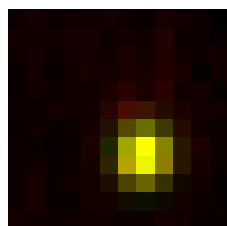
FWHM	Non corrected	Corrected	Theoretical
min	495 nm	516 nm	270 nm
max	555 nm	578 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.893		
Theta	87.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 393.668 (brightness)

B = 115.701 (background)

a = 0.547 px

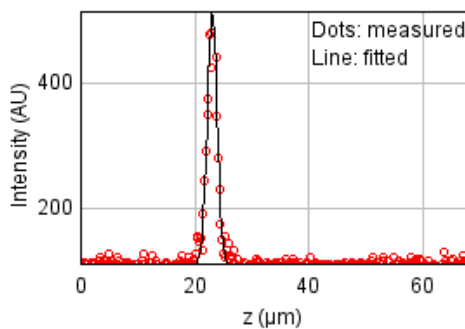
b = 0.005 px

c = 0.436 px

xc = 6.884 px

yc = 7.453 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33817.4620

Standard deviation: 10.49546

R^2 : 0.96939

Parameters:

a = 112.94275

b = 514.13353

c = 23.14224

d = 0.86514

Bead 1164

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

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

Frame size : 12 pixels

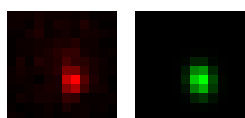
Coordinates : 119 um (x), -52.0 um (y), 23.0 um (z)

Corresponding bead : Not found

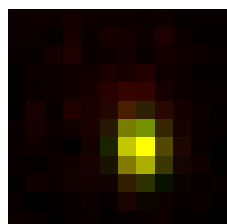
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	540 nm	563 nm	270 nm
z	2.1 um	2.11 um	1.3 um
Asymmetry	0.773		
Theta	-80.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.922$



Parameters:

A = 338.775 (brightness)

B = 121.207 (background)

a = 0.759 px

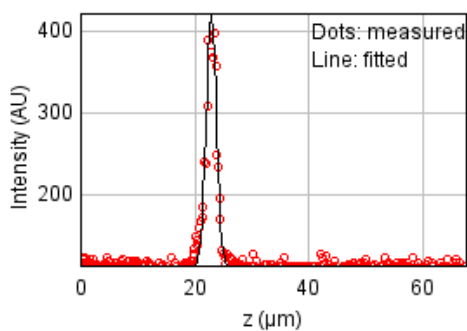
b = -0.052 px

c = 0.469 px

xc = 6.668 px

yc = 7.068 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25855.5918

Standard deviation: 9.17715

R^2 : 0.96234

Parameters:

a = 112.35766

b = 423.03307

c = 22.98360

d = 0.89126

Bead 1165 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : -51.5 um (x), -59.1 um (y), 20.9 um (z)

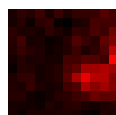
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	1.42 um	1.43 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

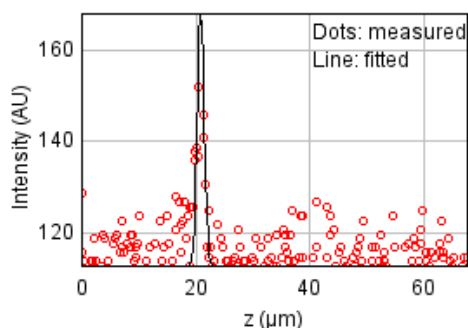
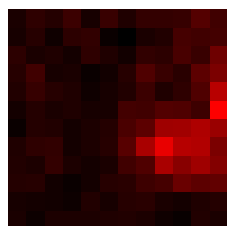
XY profile & fitting parameters :

(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: 12371.7329

Standard deviation: 6.34813

R²: 0.53661

Parameters:

a = 112.81756

b = 167.99030

c = 20.94278

d = 0.60321

Bead 1166

Date : Mon Oct 17 13:51:52 PDT 2022

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

Frame size : 12 pixels

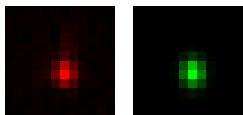
Coordinates : -48.2 μm (x), -89.4 μm (y), 23.0 μm (z)

Corresponding bead : Not found

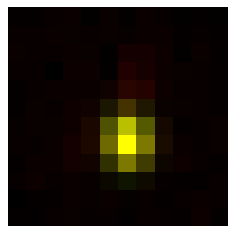
FWHM	Non corrected	Corrected	Theoretical
min	406 nm	422 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.798		
Theta	-87.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 593.611 (brightness)

B = 121.926 (background)

a = 0.815 px

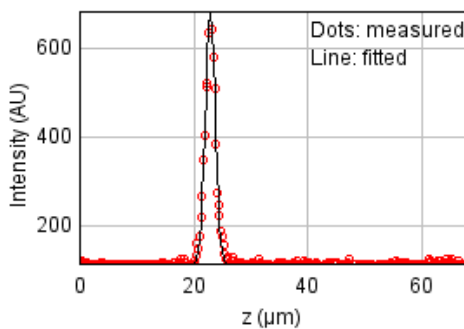
b = -0.015 px

c = 0.521 px

xc = 6.039 px

yc = 6.775 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23855.7967

Standard deviation: 8.81511

R^2 : 0.98928

Parameters:

a = 113.61034

b = 687.32358

c = 22.98152

d = 0.87016

Bead 1167

Date : Mon Oct 17 13:51:52 PDT 2022

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

Frame size : 12 pixels

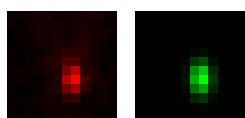
Coordinates : 36.7 μm (x), 69.0 μm (y), 23.5 μm (z)

Corresponding bead : Not found

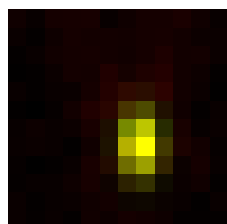
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	394 nm	270 nm
max	611 nm	637 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.618		
Theta	-89.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 357.802$ (brightness)

$B = 125.649$ (background)

$a = 0.939$ px

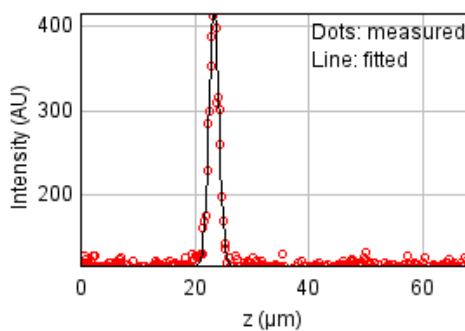
$b = -0.006$ px

$c = 0.359$ px

$x_c = 6.697$ px

$y_c = 6.850$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17690.1120

Standard deviation: 7.59095

$R^2: 0.97242$

Parameters:

$a = 114.52401$

$b = 416.92733$

$c = 23.45421$

$d = 0.88771$

Bead 1168

Date : Mon Oct 17 13:51:52 PDT 2022

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

Frame size : 12 pixels

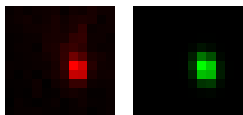
Coordinates : -18.4 μm (x), 64.1 μm (y), 23.5 μm (z)

Corresponding bead : Not found

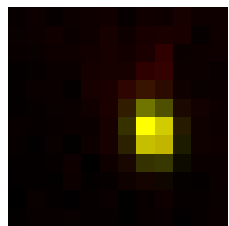
FWHM	Non corrected	Corrected	Theoretical
min	377 nm	393 nm	270 nm
max	511 nm	532 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.739		
Theta	-78.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 510.206 (brightness)

B = 124.697 (background)

a = 0.925 px

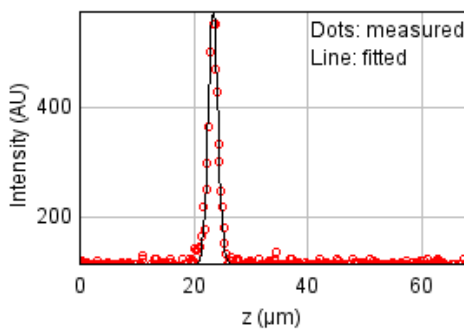
b = -0.086 px

c = 0.532 px

xc = 7.406 px

yc = 6.295 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31342.4060

Standard deviation: 10.10408

R^2 : 0.97781

Parameters:

a = 115.12395

b = 574.46340

c = 23.47286

d = 0.85043

Bead 1169

Date : Mon Oct 17 13:51:52 PDT 2022

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

Frame size : 12 pixels

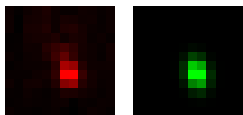
Coordinates : 85.2 μm (x), 57.1 μm (y), 22.9 μm (z)

Corresponding bead : Not found

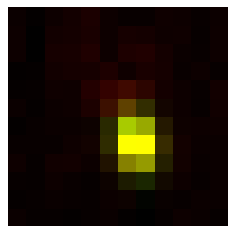
FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	555 nm	578 nm	270 nm
z	2.25 μm	2.26 μm	1.3 μm
Asymmetry	0.695		
Theta	-78.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 409.913 (brightness)

B = 122.863 (background)

a = 0.882 px

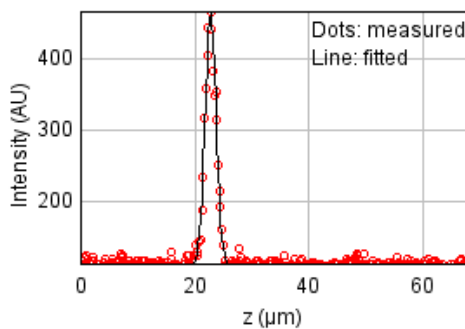
b = -0.091 px

c = 0.454 px

xc = 6.483 px

yc = 6.848 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20672.9676

Standard deviation: 8.20601

R^2 : 0.97768

Parameters:

a = 113.72919

b = 465.51224

c = 22.85724

d = 0.95616

Bead 1170 (Rejected)

Date : Mon Oct 17 13:51:52 PDT 2022

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

Frame size : 12 pixels

Coordinates : -2.23 μm (x), 55.8 μm (y), 20.1 μm (z)

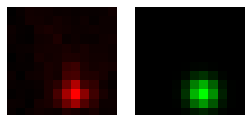
Corresponding bead : Not found

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

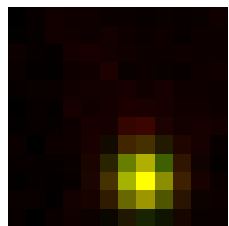
FWHM	Non corrected	Corrected	Theoretical
min	532 nm	555 nm	270 nm
max	548 nm	571 nm	270 nm
z	3.37 μm	3.38 μm	1.3 μm
Asymmetry	0.972		
Theta	-61.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 329.682 (brightness)

B = 124.583 (background)

a = 0.467 px

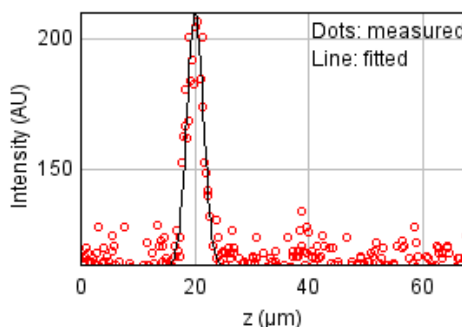
b = -0.011 px

c = 0.453 px

xc = 6.875 px

yc = 8.907 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16600.6271

Standard deviation: 7.35348

R^2 : 0.85803

Parameters:

a = 113.00002

b = 210.00447

c = 20.14644

d = 1.43045

Bead 1171

Date : Mon Oct 17 13:51:52 PDT 2022

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

Frame size : 12 pixels

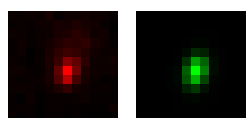
Coordinates : 29.7 μm (x), 54.7 μm (y), 23.2 μm (z)

Corresponding bead : Not found

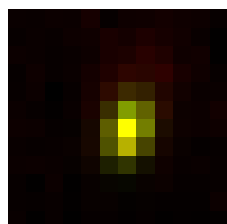
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	580 nm	604 nm	270 nm
z	2.3 μm	2.31 μm	1.3 μm
Asymmetry	0.671		
Theta	75.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 420.946 (brightness)

B = 122.440 (background)

a = 0.856 px

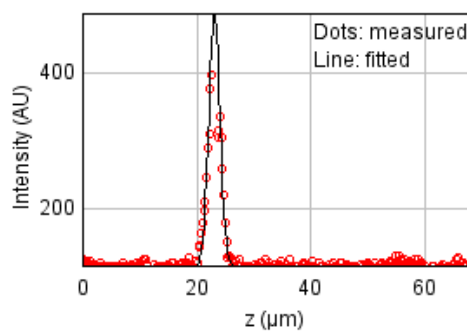
b = 0.118 px

c = 0.429 px

xc = 6.079 px

yc = 6.045 px

Z profile & fitting parameters:



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

Sum of residuals squared: 46523.1570

Standard deviation: 12.31021

R^2 : 0.95708

Parameters:

a = 114.72009

b = 487.11509

c = 23.16738

d = 0.97861

Bead 1172 (Rejected)

Date : Mon Oct 17 13:51:53 PDT 2022

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

Frame size : 12 pixels

Coordinates : -7.5 μm (x), 25.7 μm (y), 20.1 μm (z)

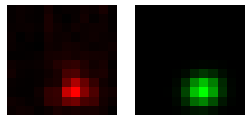
Corresponding bead : Not found

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

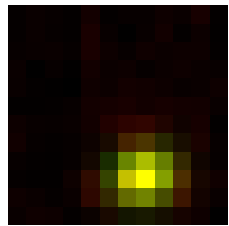
FWHM	Non corrected	Corrected	Theoretical
min	521 nm	543 nm	270 nm
max	604 nm	629 nm	270 nm
z	3.63 μm	3.65 μm	1.3 μm
Asymmetry	0.863		
Theta	16.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 304.228 (brightness)

B = 123.712 (background)

a = 0.378 px

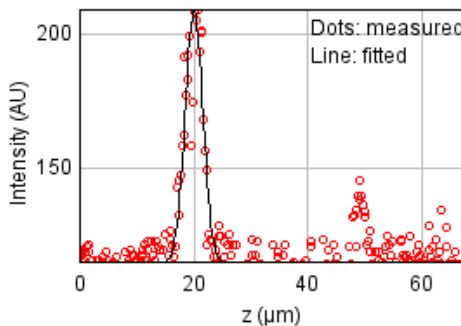
b = 0.034 px

c = 0.484 px

xc = 6.889 px

yc = 8.817 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22210.7201

Standard deviation: 8.50574

R^2 : 0.82197

Parameters:

a = 114.92438

b = 209.65877

c = 20.13474

d = 1.54282

Bead 1173

Date : Mon Oct 17 13:51:53 PDT 2022

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

Frame size : 12 pixels

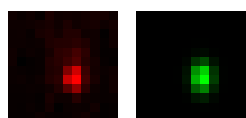
Coordinates : 124 µm (x), 11.2 µm (y), 23.3 µm (z)

Corresponding bead : Not found

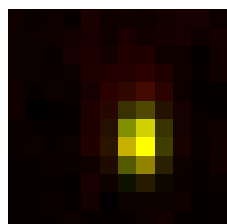
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	555 nm	578 nm	270 nm
z	2.1 µm	2.11 µm	1.3 µm
Asymmetry	0.694		
Theta	90.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 382.053 (brightness)

B = 119.098 (background)

a = 0.904 px

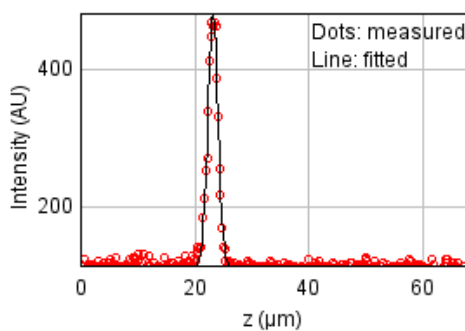
b = 0.000 px

c = 0.435 px

xc = 6.705 px

yc = 6.733 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19978.7437

Standard deviation: 8.06705

R^2 : 0.97909

Parameters:

a = 112.81620

b = 481.98063

c = 23.26179

d = 0.89359

Bead 1174

Date : Mon Oct 17 13:51:53 PDT 2022

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

Frame size : 12 pixels

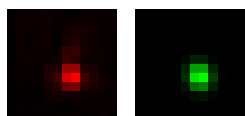
Coordinates : -30.9 μm (x), 2.12 μm (y), 23.5 μm (z)

Corresponding bead : Not found

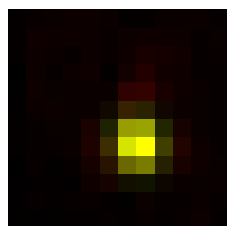
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	437 nm	270 nm
max	482 nm	502 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.871		
Theta	-79.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 689.272 (brightness)

B = 128.105 (background)

a = 0.755 px

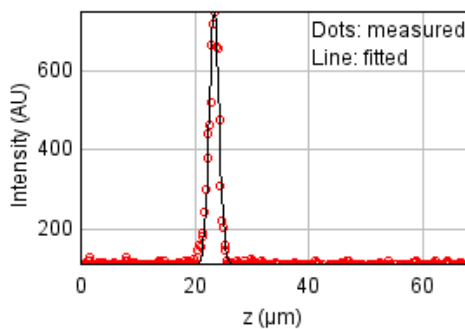
b = -0.034 px

c = 0.584 px

xc = 6.565 px

yc = 6.854 px

Z profile & fitting parameters:



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

Sum of residuals squared: 58162.7579

Standard deviation: 13.76427

R^2 : 0.97874

Parameters:

a = 114.14924

b = 747.71705

c = 23.49136

d = 0.86747

Bead 1175

Date : Mon Oct 17 13:51:53 PDT 2022

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

Frame size : 12 pixels

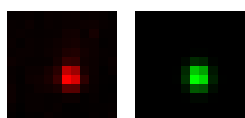
Coordinates : -73.6 μm (x), -14.8 μm (y), 23.5 μm (z)

Corresponding bead : Not found

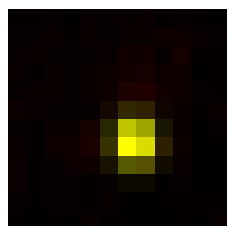
FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	454 nm	473 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.854		
Theta	-84.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 715.943$ (brightness)

$B = 123.813$ (background)

$a = 0.888$ px

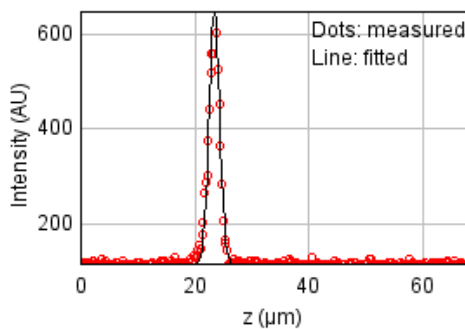
$b = -0.024$ px

$c = 0.652$ px

$x_c = 6.409$ px

$y_c = 6.711$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38030.7140

Standard deviation: 11.13007

$R^2 = 0.98185$

Parameters:

$a = 112.99863$

$b = 650.02749$

$c = 23.51826$

$d = 0.93097$

Bead 1176 (Rejected)

Date : Mon Oct 17 13:51:53 PDT 2022

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

Frame size : 12 pixels

Coordinates : -6.19 μm (x), -25.6 μm (y), 19.9 μm (z)

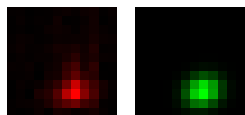
Corresponding bead : Not found

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

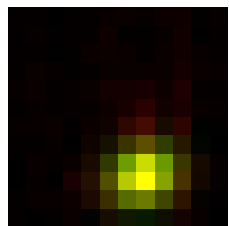
FWHM	Non corrected	Corrected	Theoretical
min	540 nm	562 nm	270 nm
max	641 nm	668 nm	270 nm
z	3.26 μm	3.27 μm	1.3 μm
Asymmetry	0.842		
Theta	23.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 371.360 (brightness)

B = 123.884 (background)

a = 0.348 px

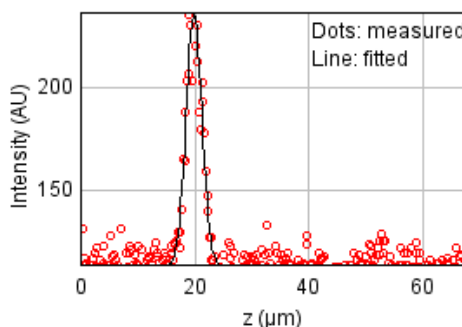
b = 0.050 px

c = 0.439 px

xc = 6.881 px

yc = 8.684 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15686.7658

Standard deviation: 7.14821

R^2 : 0.90954

Parameters:

a = 113.30869

b = 236.80981

c = 19.94996

d = 1.38360

Bead 1177

Date : Mon Oct 17 13:51:54 PDT 2022

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

Frame size : 12 pixels

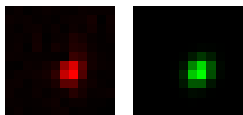
Coordinates : -87.4 μm (x), -54.4 μm (y), 23.3 μm (z)

Corresponding bead : Not found

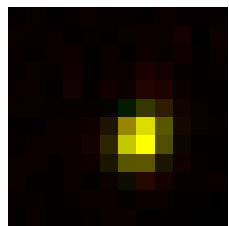
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	501 nm	521 nm	270 nm
z	2.25 μm	2.26 μm	1.3 μm
Asymmetry	0.814		
Theta	55.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 469.894 (brightness)

B = 117.093 (background)

a = 0.721 px

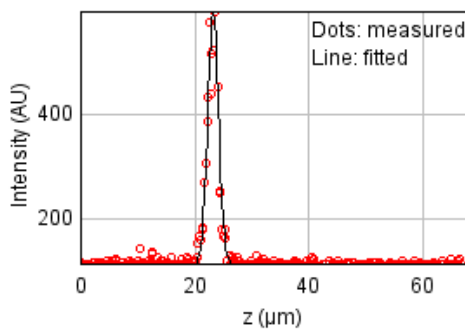
b = 0.128 px

c = 0.623 px

xc = 6.726 px

yc = 6.677 px

Z profile & fitting parameters:



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

Sum of residuals squared: 104155.864

Standard deviation: 18.41928

R^2 : 0.94299

Parameters:

a = 113.18064

b = 598.14326

c = 23.30423

d = 0.95707

Bead 1178

Date : Mon Oct 17 13:51:54 PDT 2022

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

Frame size : 12 pixels

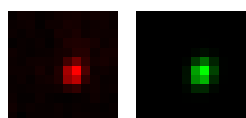
Coordinates : -148 μm (x), -69.0 μm (y), 22.7 μm (z)

Corresponding bead : Not found

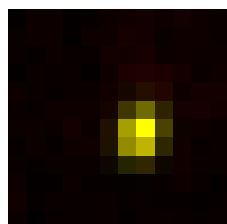
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	394 nm	270 nm
max	484 nm	504 nm	270 nm
z	2.41 μm	2.42 μm	1.3 μm
Asymmetry	0.781		
Theta	72.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 457.331$ (brightness)

$B = 117.822$ (background)

$a = 0.907$ px

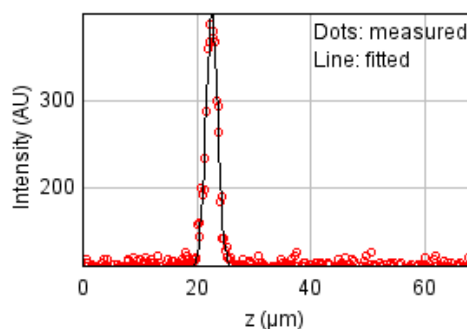
$b = 0.103$ px

$c = 0.604$ px

$x_c = 6.728$ px

$y_c = 6.261$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19368.1498

Standard deviation: 7.94282

$R^2: 0.97080$

Parameters:

$a = 111.41793$

$b = 398.54115$

$c = 22.71938$

$d = 1.02441$

Bead 1179 (Rejected)

Date : Mon Oct 17 13:51:54 PDT 2022

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

Frame size : 12 pixels

Coordinates : 49.7 μm (x), 35.9 μm (y), 24.6 μm (z)

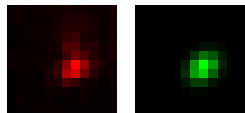
Corresponding bead : Not found

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

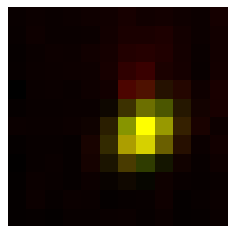
FWHM	Non corrected	Corrected	Theoretical
min	452 nm	471 nm	270 nm
max	586 nm	610 nm	270 nm
z	4.28 μm	4.29 μm	1.3 μm
Asymmetry	0.772		
Theta	45.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.915$



Parameters:

A = 544.643 (brightness)

B = 126.500 (background)

a = 0.528 px

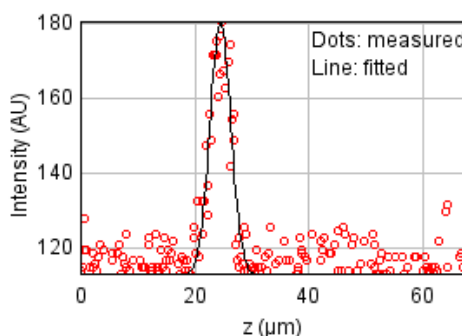
b = 0.133 px

c = 0.520 px

xc = 6.931 px

yc = 6.322 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15013.5730

Standard deviation: 6.99315

R^2 : 0.80163

Parameters:

a = 113.01175

b = 180.71145

c = 24.57705

d = 1.81548

Bead 1180

Date : Mon Oct 17 13:51:54 PDT 2022

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

Frame size : 12 pixels

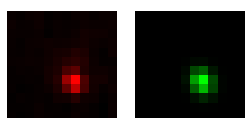
Coordinates : -45.4 μm (x), 33.9 μm (y), 24.1 μm (z)

Corresponding bead : Not found

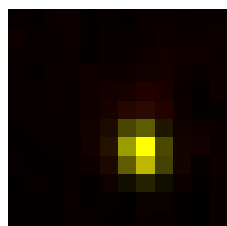
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	462 nm	481 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.831		
Theta	-67.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 726.050$ (brightness)

$B = 127.479$ (background)

$a = 0.868$ px

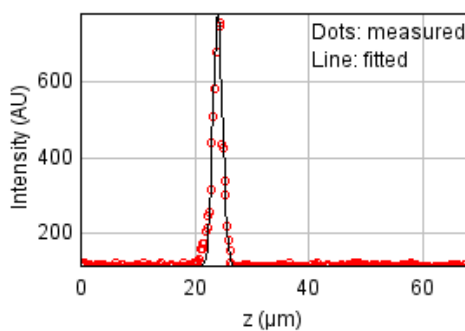
$b = -0.101$ px

$c = 0.671$ px

$x_c = 6.808$ px

$y_c = 7.224$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 68717.7883

Standard deviation: 14.96116

$R^2: 0.97652$

Parameters:

$a = 115.14247$

$b = 782.84807$

$c = 24.11579$

$d = 0.83181$

Bead 1181

Date : Mon Oct 17 13:51:54 PDT 2022

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

Frame size : 12 pixels

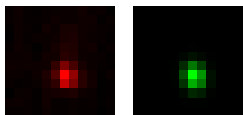
Coordinates : -103 μm (x), 11.1 μm (y), 23.8 μm (z)

Corresponding bead : Not found

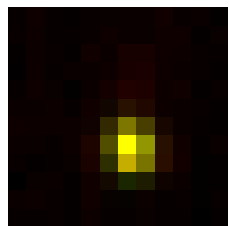
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	409 nm	270 nm
max	490 nm	510 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.801		
Theta	-78.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 493.425$ (brightness)

$B = 118.559$ (background)

$a = 0.860$ px

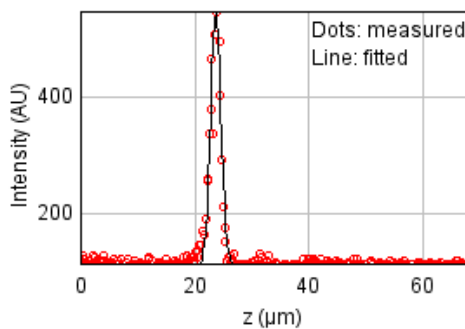
$b = -0.060$ px

$c = 0.572$ px

$x_c = 6.203$ px

$y_c = 7.186$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 63513.1626

Standard deviation: 14.38344

$R^2: 0.95289$

Parameters:

$a = 113.64260$

$b = 544.45287$

$c = 23.77282$

$d = 0.90171$

Bead 1182

Date : Mon Oct 17 13:51:54 PDT 2022

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

Frame size : 12 pixels

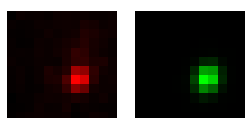
Coordinates : -78.9 μm (x), 9.82 μm (y), 23.4 μm (z)

Corresponding bead : Not found

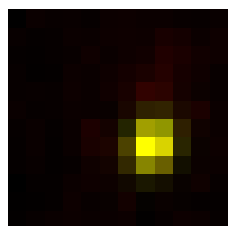
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	498 nm	518 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.826		
Theta	73.0°		

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:

$A = 529.878$ (brightness)

$B = 121.446$ (background)

$a = 0.773$ px

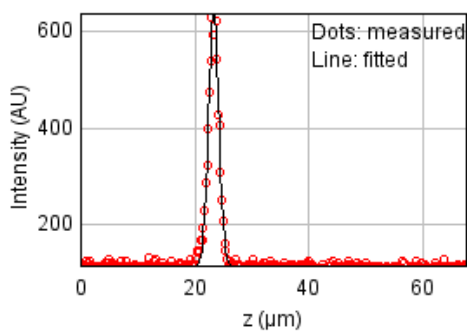
$b = 0.070$ px

$c = 0.564$ px

$xc = 7.386$ px

$yc = 6.874$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25140.8531

Standard deviation: 9.04942

$R^2: 0.98701$

Parameters:

$a = 113.98181$

$b = 638.14217$

$c = 23.39927$

$d = 0.90597$

Bead 1183

Date : Mon Oct 17 13:51:54 PDT 2022

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

Frame size : 12 pixels

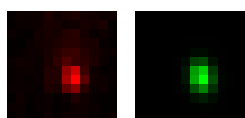
Coordinates : 131 μm (x), -14.1 μm (y), 23.0 μm (z)

Corresponding bead : Not found

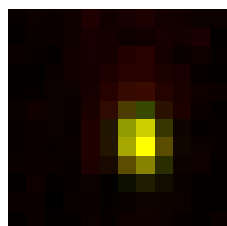
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	562 nm	585 nm	270 nm
z	2.28 μm	2.29 μm	1.3 μm
Asymmetry	0.716		
Theta	-80.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 285.638$ (brightness)

$B = 115.421$ (background)

$a = 0.819$ px

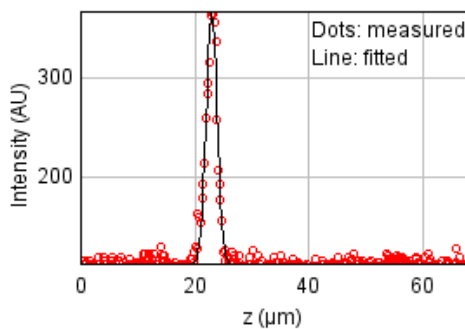
$b = -0.064$ px

$c = 0.436$ px

$x_c = 6.735$ px

$y_c = 6.699$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17624.1182

Standard deviation: 7.57678

$R^2: 0.96459$

Parameters:

$a = 111.85963$

$b = 366.63467$

$c = 23.04704$

$d = 0.96706$

Bead 1184

Date : Mon Oct 17 13:51:54 PDT 2022

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

Frame size : 12 pixels

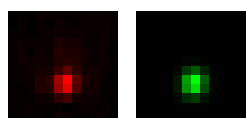
Coordinates : -38.5 μm (x), -31.9 μm (y), 23.6 μm (z)

Corresponding bead : Not found

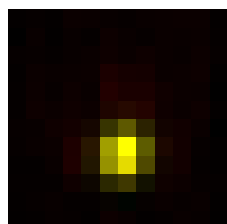
FWHM	Non corrected	Corrected	Theoretical
min	421 nm	439 nm	270 nm
max	475 nm	494 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.888		
Theta	77.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 662.025 (brightness)

B = 123.531 (background)

a = 0.748 px

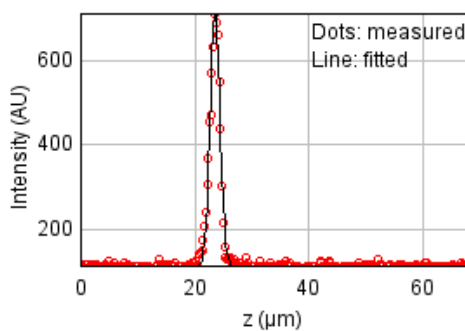
b = 0.034 px

c = 0.603 px

xc = 5.798 px

yc = 7.385 px

Z profile & fitting parameters:



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

Sum of residuals squared: 38303.9750

Standard deviation: 11.16999

R^2 : 0.98444

Parameters:

a = 114.13070

b = 714.56902

c = 23.64287

d = 0.87422

Bead 1185

Date : Mon Oct 17 13:51:55 PDT 2022

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

Frame size : 12 pixels

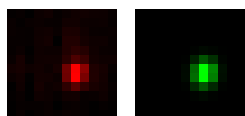
Coordinates : -103 μm (x), -40.0 μm (y), 23.1 μm (z)

Corresponding bead : Not found

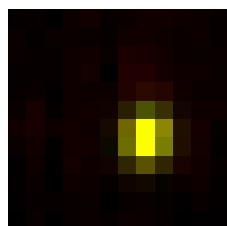
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	491 nm	512 nm	270 nm
z	2.28 μm	2.29 μm	1.3 μm
Asymmetry	0.844		
Theta	81.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 442.322$ (brightness)

$B = 117.695$ (background)

$a = 0.775$ px

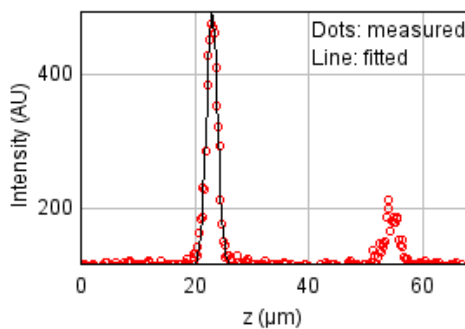
$b = 0.034$ px

$c = 0.561$ px

$x_c = 7.067$ px

$y_c = 6.491$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 82447.9051

Standard deviation: 16.38780

$R^2: 0.92706$

Parameters:

$a = 116.85039$

$b = 492.77628$

$c = 23.10349$

$d = 0.96962$

Bead 1186

Date : Mon Oct 17 13:51:55 PDT 2022

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

Frame size : 12 pixels

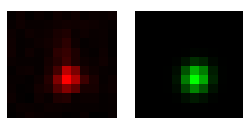
Coordinates : 58.6 μm (x), -54.4 μm (y), 23.2 μm (z)

Corresponding bead : Not found

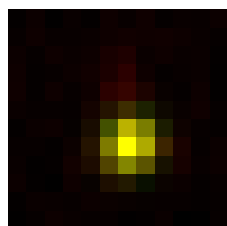
FWHM	Non corrected	Corrected	Theoretical
min	481 nm	501 nm	270 nm
max	521 nm	543 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.924		
Theta	70.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.951$



Parameters:

A = 402.459 (brightness)

B = 120.690 (background)

a = 0.570 px

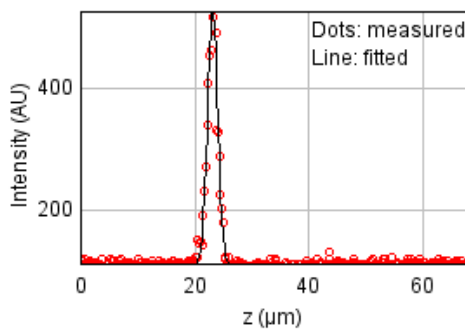
b = 0.027 px

c = 0.504 px

xc = 6.149 px

yc = 6.850 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22280.2953

Standard deviation: 8.51905

R^2 : 0.98166

Parameters:

a = 112.79627

b = 528.22749

c = 23.21019

d = 0.89995

Bead 1187 (Rejected)

Date : Mon Oct 17 13:51:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : -122 μm (x), -64.6 μm (y), 19.9 μm (z)

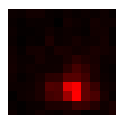
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.97 μm	3.98 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

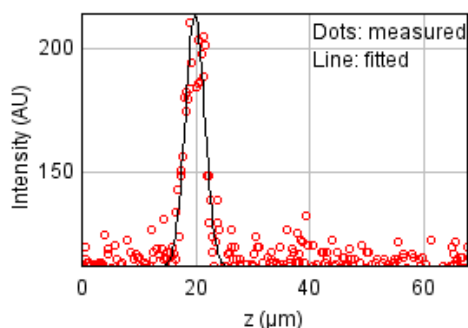
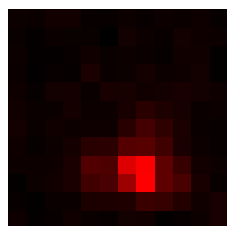
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 17077.0978

Standard deviation: 7.45827

R²: 0.88365

Parameters:

a = 111.92437

b = 214.27825

c = 19.94054

d = 1.68522

Bead 1188

Date : Mon Oct 17 13:51:55 PDT 2022

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

Frame size : 12 pixels

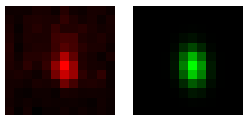
Coordinates : -83.8 μm (x), 71.4 μm (y), 23.1 μm (z)

Corresponding bead : Not found

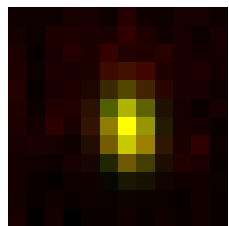
FWHM	Non corrected	Corrected	Theoretical
min	463 nm	482 nm	270 nm
max	681 nm	709 nm	270 nm
z	2.61 μm	2.62 μm	1.3 μm
Asymmetry	0.68		
Theta	-83.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.911$



Parameters:

A = 241.497 (brightness)

B = 119.201 (background)

a = 0.622 px

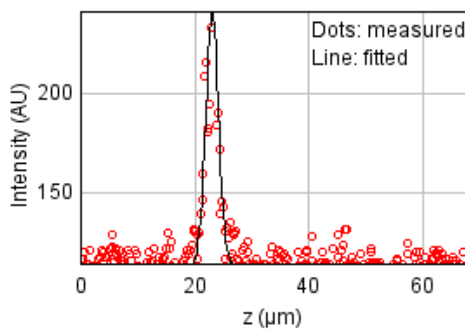
b = -0.036 px

c = 0.293 px

$x_c = 6.077$ px

$y_c = 6.109$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21473.4836

Standard deviation: 8.36338

R^2 : 0.86492

Parameters:

a = 113.70586

b = 241.48199

c = 23.13633

d = 1.10973

Bead 1189

Date : Mon Oct 17 13:51:55 PDT 2022

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

Frame size : 12 pixels

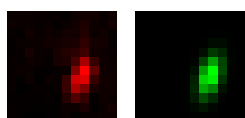
Coordinates : 14.2 μm (x), 65.5 μm (y), 23.8 μm (z)

Corresponding bead : Not found

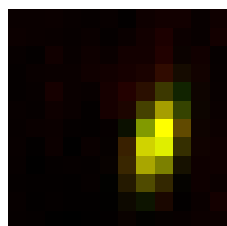
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	782 nm	814 nm	270 nm
z	1.88 μm	1.88 μm	1.3 μm
Asymmetry	0.486		
Theta	73.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 386.345 (brightness)

B = 121.551 (background)

a = 0.874 px

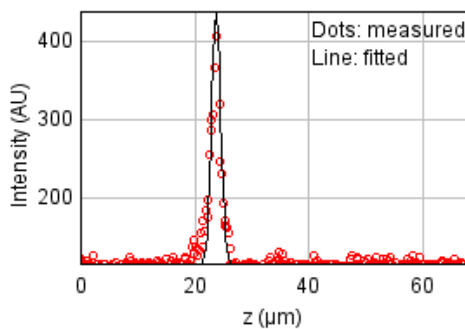
b = 0.192 px

c = 0.276 px

xc = 7.653 px

yc = 6.614 px

Z profile & fitting parameters:



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

Sum of residuals squared: 65965.7375

Standard deviation: 14.65852

R^2 : 0.90736

Parameters:

a = 115.87432

b = 439.88816

c = 23.84476

d = 0.79711

Bead 1190

Date : Mon Oct 17 13:51:55 PDT 2022

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

Frame size : 12 pixels

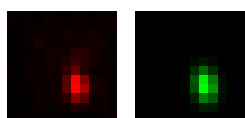
Coordinates : 31.9 μm (x), -6.4 μm (y), 23.8 μm (z)

Corresponding bead : Not found

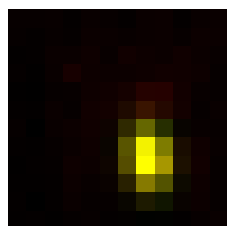
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	409 nm	270 nm
max	588 nm	612 nm	270 nm
z	2.24 μm	2.25 μm	1.3 μm
Asymmetry	0.667		
Theta	-81.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 678.828 (brightness)

B = 125.438 (background)

a = 0.861 px

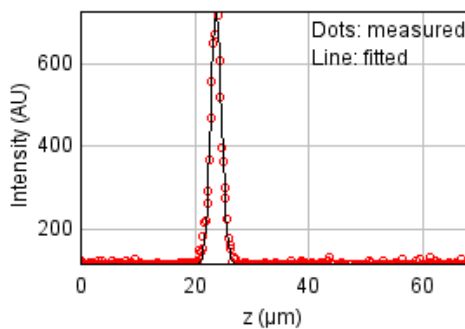
b = -0.072 px

c = 0.400 px

$x_c = 7.162$ px

$y_c = 7.600$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 30770.7435

Standard deviation: 10.01152

R^2 : 0.98890

Parameters:

a = 114.20073

b = 727.66227

c = 23.84118

d = 0.95143

Bead 1191

Date : Mon Oct 17 13:51:56 PDT 2022

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

Frame size : 12 pixels

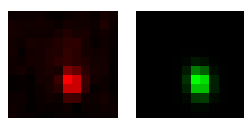
Coordinates : 144 μm (x), -41.3 μm (y), 23.8 μm (z)

Corresponding bead : Not found

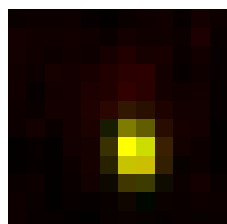
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	523 nm	545 nm	270 nm
z	2.36 μm	2.37 μm	1.3 μm
Asymmetry	0.734		
Theta	-81.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 441.799$ (brightness)

$B = 123.381$ (background)

$a = 0.900$ px

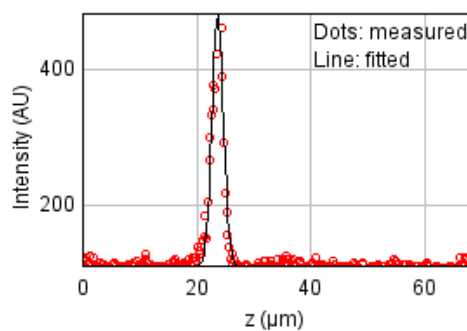
$b = -0.063$ px

$c = 0.500$ px

$x_c = 6.438$ px

$y_c = 7.283$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 45155.8164

Standard deviation: 12.12796

$R^2: 0.95858$

Parameters:

$a = 110.84676$

$b = 480.36466$

$c = 23.75617$

$d = 1.00261$

Bead 1192

Date : Mon Oct 17 13:51:56 PDT 2022

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

Frame size : 12 pixels

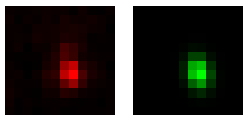
Coordinates : 101 μm (x), -45.4 μm (y), 23.9 μm (z)

Corresponding bead : Not found

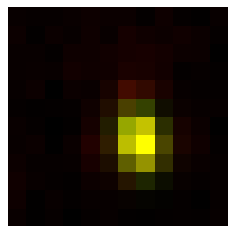
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	579 nm	603 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.703		
Theta	-79.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 537.293$ (brightness)

$B = 122.828$ (background)

$a = 0.796$ px

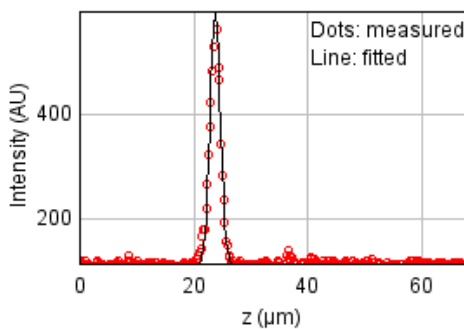
$b = -0.071$ px

$c = 0.413$ px

$x_c = 6.664$ px

$y_c = 6.771$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26051.7645

Standard deviation: 9.21190

$R^2: 0.98406$

Parameters:

$a = 113.32894$

$b = 596.76299$

$c = 23.85236$

$d = 0.89607$

Bead 1193

Date : Mon Oct 17 13:51:56 PDT 2022

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

Frame size : 12 pixels

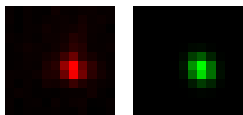
Coordinates : -70.0 μm (x), -88.4 μm (y), 23.8 μm (z)

Corresponding bead : Not found

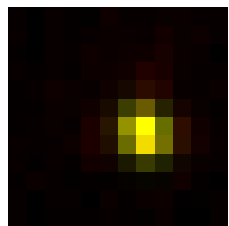
FWHM	Non corrected	Corrected	Theoretical
min	426 nm	444 nm	270 nm
max	494 nm	514 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.862		
Theta	-62.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 559.673 (brightness)

B = 123.309 (background)

a = 0.699 px

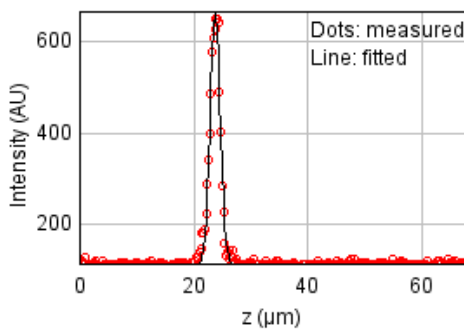
b = -0.077 px

c = 0.590 px

xc = 6.938 px

yc = 6.364 px

Z profile & fitting parameters:



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

Sum of residuals squared: 34385.9650

Standard deviation: 10.58331

R^2 : 0.98382

Parameters:

a = 112.70091

b = 667.69244

c = 23.84830

d = 0.88308

Bead 1194

Date : Mon Oct 17 13:51:56 PDT 2022

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

Frame size : 12 pixels

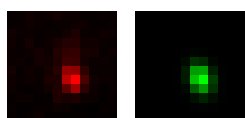
Coordinates : -71.1 μm (x), 72.7 μm (y), 23.9 μm (z)

Corresponding bead : Not found

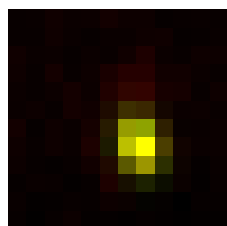
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	545 nm	567 nm	270 nm
z	1.99 μm	1.99 μm	1.3 μm
Asymmetry	0.716		
Theta	-73.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 430.026$ (brightness)

$B = 123.503$ (background)

$a = 0.845$ px

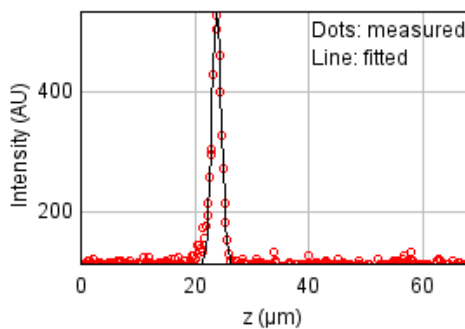
$b = -0.120$ px

$c = 0.489$ px

$x_c = 6.652$ px

$y_c = 6.874$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 30099.6228

Standard deviation: 9.90174

$R^2: 0.97437$

Parameters:

$a = 114.78991$

$b = 534.47024$

$c = 23.92346$

$d = 0.84357$

Bead 1195

Date : Mon Oct 17 13:51:56 PDT 2022

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

Frame size : 12 pixels

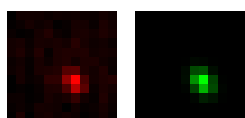
Coordinates : -148 μm (x), 70.7 μm (y), 23.4 μm (z)

Corresponding bead : Not found

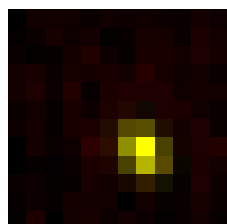
FWHM	Non corrected	Corrected	Theoretical
min	347 nm	361 nm	270 nm
max	472 nm	492 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.734		
Theta	-57.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 228.506$ (brightness)

$B = 115.076$ (background)

$a = 0.967$ px

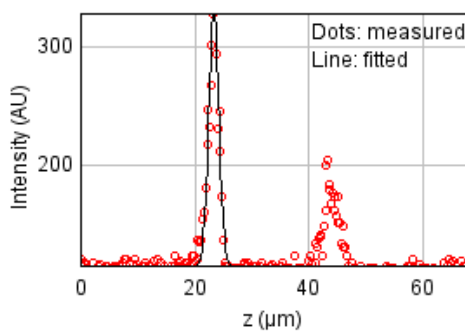
$b = -0.234$ px

$c = 0.753$ px

$x_c = 6.847$ px

$y_c = 7.223$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 76029.3267

Standard deviation: 15.73698

$R^2: 0.80938$

Parameters:

$a = 114.74281$

$b = 330.22140$

$c = 23.42528$

$d = 0.90595$

Bead 1196

Date : Mon Oct 17 13:51:56 PDT 2022

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

Frame size : 12 pixels

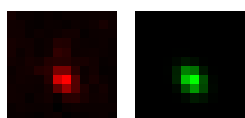
Coordinates : -61.7 μm (x), 48.9 μm (y), 23.6 μm (z)

Corresponding bead : Not found

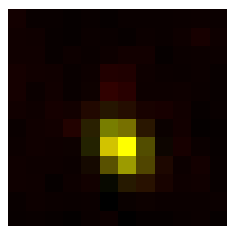
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	518 nm	539 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.748		
Theta	-50.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 416.007$ (brightness)

$B = 121.811$ (background)

$a = 0.735$ px

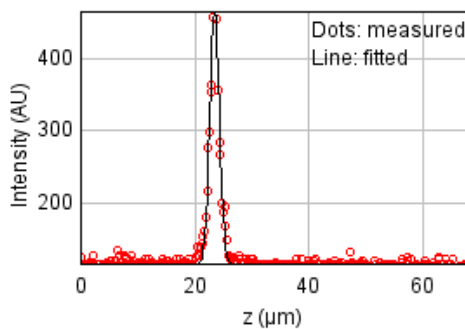
$b = -0.193$ px

$c = 0.660$ px

$x_c = 5.693$ px

$y_c = 7.036$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25069.9519

Standard deviation: 9.03665

$R^2 = 0.96978$

Parameters:

$a = 114.66077$

$b = 465.31043$

$c = 23.56468$

$d = 0.84989$

Bead 1197 (Rejected)

Date : Mon Oct 17 13:51:56 PDT 2022

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

Frame size : 12 pixels

Coordinates : -33.0 μm (x), 47.3 μm (y), 21.1 μm (z)

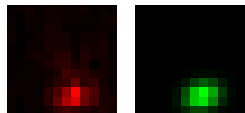
Corresponding bead : Not found

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

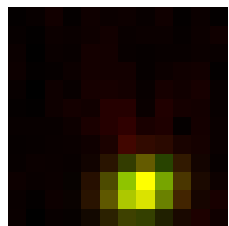
FWHM	Non corrected	Corrected	Theoretical
min	475 nm	495 nm	270 nm
max	639 nm	666 nm	270 nm
z	3.47 μm	3.48 μm	1.3 μm
Asymmetry	0.743		
Theta	15.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.911$



Parameters:

A = 328.495 (brightness)

B = 122.973 (background)

a = 0.347 px

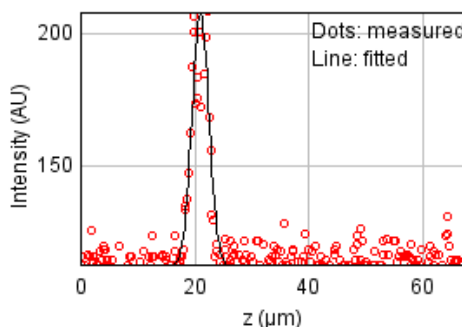
b = 0.068 px

c = 0.576 px

xc = 6.799 px

yc = 9.423 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16809.2407

Standard deviation: 7.39954

R^2 : 0.85550

Parameters:

a = 112.57464

b = 207.88072

c = 21.08157

d = 1.47345

Bead 1198 (Rejected)

Date : Mon Oct 17 13:51:57 PDT 2022

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

Frame size : 12 pixels

Coordinates : 119 um (x), 38.4 um (y), 21.7 um (z)

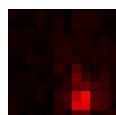
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.84 um	2.85 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

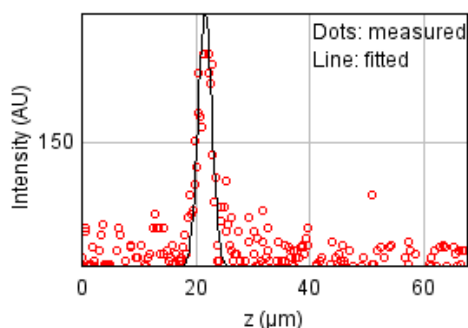
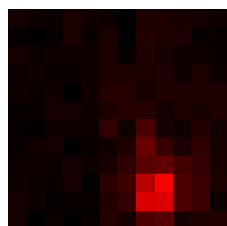
XY profile & fitting parameters :

(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: 15261.7809

Standard deviation: 7.05072

R²: 0.77207

Parameters:

a = 113.27742

b = 188.69423

c = 21.71416

d = 1.20398

Bead 1199

Date : Mon Oct 17 13:51:57 PDT 2022

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

Frame size : 12 pixels

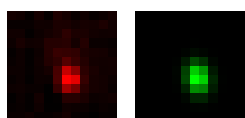
Coordinates : 122 μm (x), 31.0 μm (y), 23.6 μm (z)

Corresponding bead : Not found

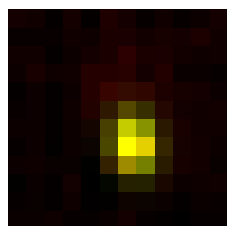
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	575 nm	599 nm	270 nm
z	2.3 μm	2.31 μm	1.3 μm
Asymmetry	0.733		
Theta	-79.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 299.208$ (brightness)

$B = 118.853$ (background)

$a = 0.743$ px

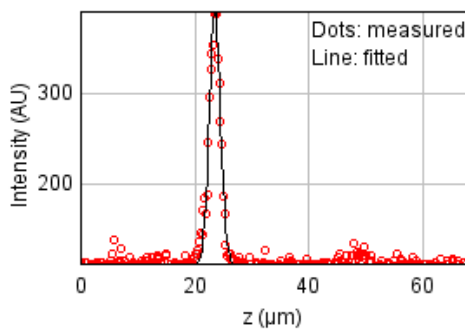
$b = -0.061$ px

$c = 0.416$ px

$x_c = 6.349$ px

$y_c = 6.816$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18914.0420

Standard deviation: 7.84916

$R^2: 0.96843$

Parameters:

$a = 112.29480$

$b = 390.83850$

$c = 23.60528$

$d = 0.97811$

Bead 1200

Date : Mon Oct 17 13:51:57 PDT 2022

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

Frame size : 12 pixels

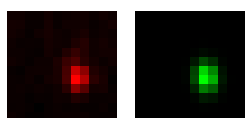
Coordinates : -6.54 μm (x), 24.4 μm (y), 23.8 μm (z)

Corresponding bead : Not found

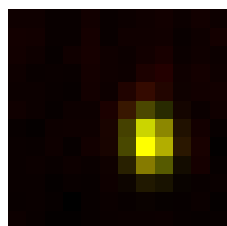
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	420 nm	270 nm
max	544 nm	567 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.741		
Theta	-84.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 472.932$ (brightness)

$B = 121.676$ (background)

$a = 0.820$ px

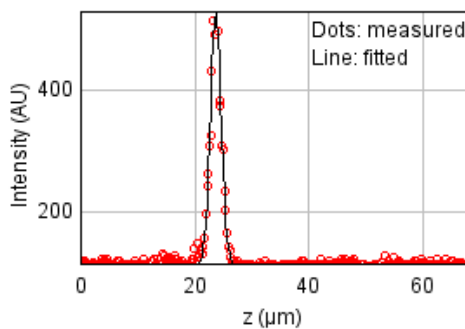
$b = -0.037$ px

$c = 0.456$ px

$x_c = 7.253$ px

$y_c = 6.718$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26822.1795

Standard deviation: 9.34712

$R^2: 0.97878$

Parameters:

$a = 114.68679$

$b = 527.59462$

$c = 23.77739$

$d = 0.94748$