

Bead 3101

Date : Mon Oct 17 13:53:57 PDT 2022

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

Frame size : 12 pixels

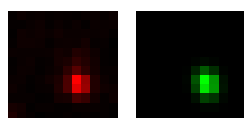
Coordinates : 64.9 μm (x), 71.1 μm (y), 57.8 μm (z)

Corresponding bead : Not found

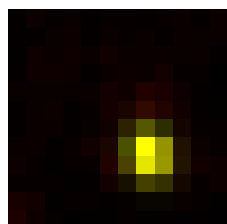
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	413 nm	270 nm
max	486 nm	506 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.815		
Theta	-76.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 708.982$ (brightness)

$B = 133.728$ (background)

$a = 0.838$ px

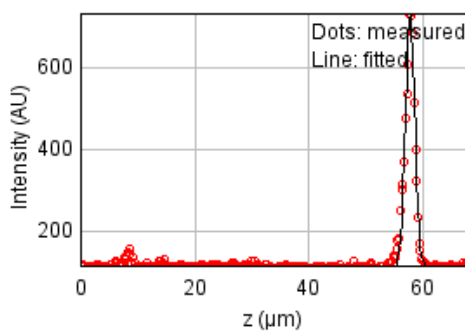
$b = -0.066$ px

$c = 0.584$ px

$x_c = 7.210$ px

$y_c = 7.432$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 50682.9190

Standard deviation: 12.84877

$R^2: 0.97927$

Parameters:

$a = 115.63871$

$b = 732.22430$

$c = 57.79698$

$d = 0.81653$

Bead 3102 (Rejected)

Date : Mon Oct 17 13:53:58 PDT 2022

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

Frame size : 12 pixels

Coordinates : 52.8 μm (x), 70.1 μm (y), 57.5 μm (z)

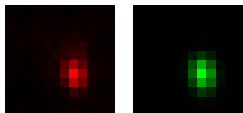
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

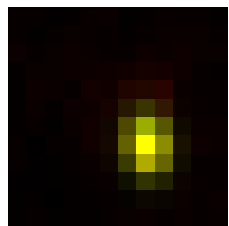
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	584 nm	608 nm	270 nm
z	2.16 μm	2.16 μm	1.3 μm
Asymmetry	0.706		
Theta	-83.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 748.819 (brightness)

B = 130.218 (background)

a = 0.786 px

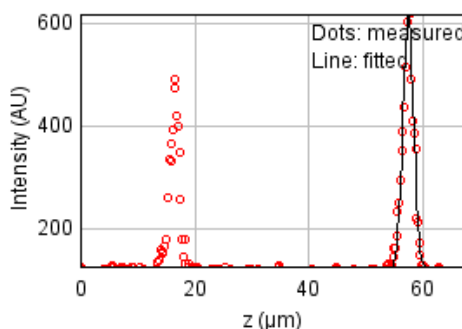
b = -0.045 px

c = 0.399 px

xc = 7.115 px

yc = 7.001 px

Z profile & fitting parameters:



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

Sum of residuals squared: 812993.395

Standard deviation: 51.46054

R^2 : 0.67552

Parameters:

a = 125.60330

b = 616.50860

c = 57.47933

d = 0.91560

Bead 3103 (Rejected)

Date : Mon Oct 17 13:53:58 PDT 2022

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

Frame size : 12 pixels

Coordinates : 16.8 μm (x), 69.9 μm (y), 58.0 μm (z)

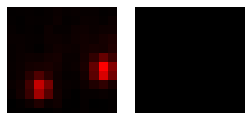
Corresponding bead : Not found

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

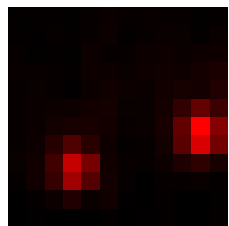
FWHM	Non corrected	Corrected	Theoretical
min	758 nm	790 nm	270 nm
max	2.9 μm	3.02 μm	270 nm
z	1.89 μm	1.9 μm	1.3 μm
Asymmetry	0.262		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.078$



Parameters:

A = -82.104 (brightness)

B = 229.785 (background)

a = 0.168 px

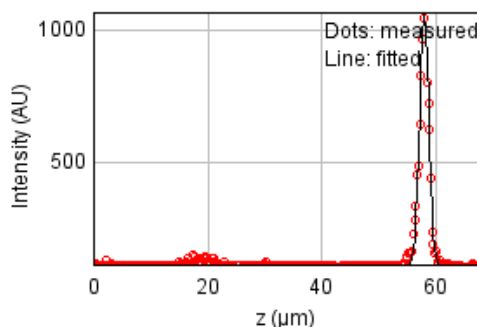
b = -0.110 px

c = 0.049 px

xc = 5.346 px

yc = 5.640 px

Z profile & fitting parameters:



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

Sum of residuals squared: 84214.9249

Standard deviation: 16.56248

R^2 : 0.98531

Parameters:

a = 116.99202

b = 1071.12871

c = 57.99491

d = 0.80382

Bead 3104

Date : Mon Oct 17 13:53:58 PDT 2022

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

Frame size : 12 pixels

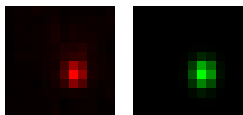
Coordinates : 33.3 μm (x), 69.2 μm (y), 57.9 μm (z)

Corresponding bead : Not found

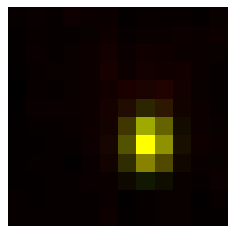
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	498 nm	519 nm	270 nm
z	1.91 μm	1.92 μm	1.3 μm
Asymmetry	0.799		
Theta	87.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 703.626 (brightness)

B = 125.831 (background)

a = 0.845 px

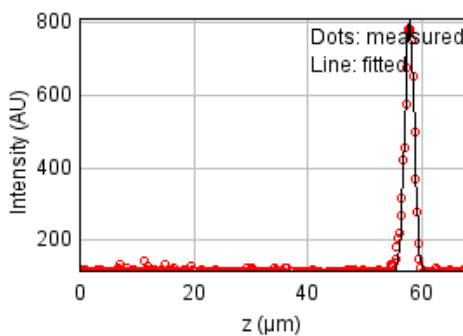
b = 0.012 px

c = 0.541 px

$x_c = 7.169$ px

$y_c = 6.876$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 37313.9365

Standard deviation: 11.02469

R^2 : 0.98792

Parameters:

a = 113.71890

b = 811.58739

c = 57.86117

d = 0.81201

Bead 3105

Date : Mon Oct 17 13:53:58 PDT 2022

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

Frame size : 12 pixels

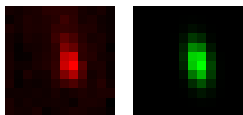
Coordinates : 163 μm (x), 68.8 μm (y), 57.0 μm (z)

Corresponding bead : Not found

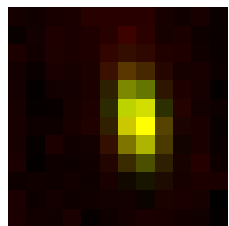
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	771 nm	803 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.53		
Theta	-80.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 270.114$ (brightness)

$B = 115.740$ (background)

$a = 0.788$ px

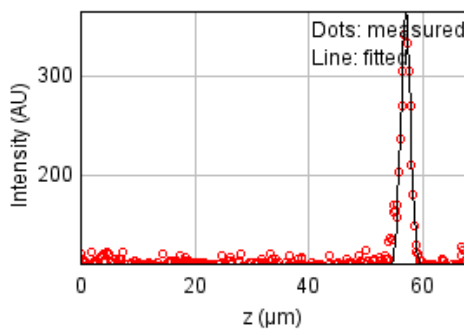
$b = -0.097$ px

$c = 0.243$ px

$x_c = 6.610$ px

$y_c = 5.637$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20118.3155

Standard deviation: 8.09518

$R^2: 0.95400$

Parameters:

$a = 109.99860$

$b = 366.24067$

$c = 57.03481$

$d = 0.82424$

Bead 3106

Date : Mon Oct 17 13:53:58 PDT 2022

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

Frame size : 12 pixels

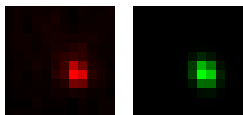
Coordinates : 53.8 μm (x), 67.5 μm (y), 57.9 μm (z)

Corresponding bead : Not found

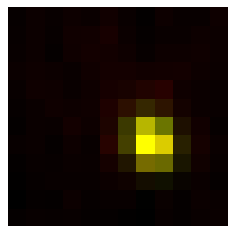
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	412 nm	270 nm
max	490 nm	510 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.808		
Theta	-66.2°		

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 = 756.334 (brightness)

B = 126.450 (background)

a = 0.808 px

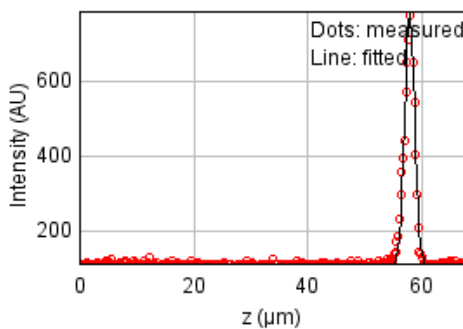
b = -0.110 px

c = 0.608 px

$x_c = 7.337$ px

$y_c = 6.838$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 44164.7237

Standard deviation: 11.99413

R^2 : 0.98550

Parameters:

a = 113.88563

b = 787.94662

c = 57.89609

d = 0.85861

Bead 3107

Date : Mon Oct 17 13:53:58 PDT 2022

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

Frame size : 12 pixels

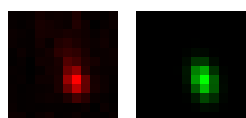
Coordinates : 146 um (x), 61.5 um (y), 57.3 um (z)

Corresponding bead : Not found

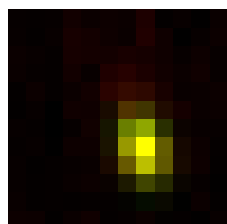
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	642 nm	669 nm	270 nm
z	1.86 um	1.87 um	1.3 um
Asymmetry	0.638		
Theta	-74.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 391.740 (brightness)

B = 118.563 (background)

a = 0.765 px

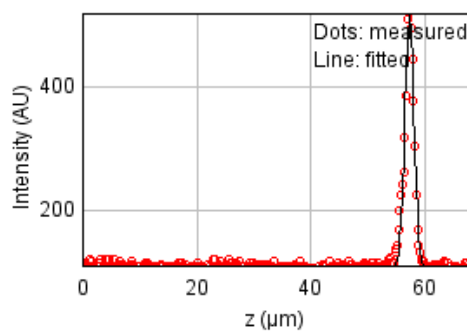
b = -0.123 px

c = 0.360 px

xc = 6.842 px

yc = 7.039 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23789.6701

Standard deviation: 8.80288

R^2 : 0.97736

Parameters:

a = 111.26487

b = 521.42896

c = 57.33432

d = 0.79054

Bead 3108 (Rejected)

Date : Mon Oct 17 13:53:59 PDT 2022

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

Frame size : 12 pixels

Coordinates : 105 um (x), 60.8 um (y), 57.6 um (z)

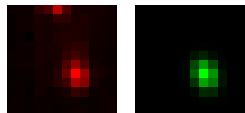
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

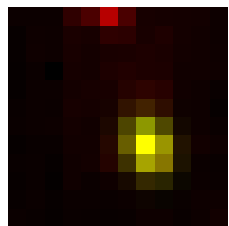
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	548 nm	571 nm	270 nm
z	1.95 um	1.96 um	1.3 um
Asymmetry	0.745		
Theta	-71.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.751$



Parameters:

A = 524.050 (brightness)

B = 131.027 (background)

a = 0.771 px

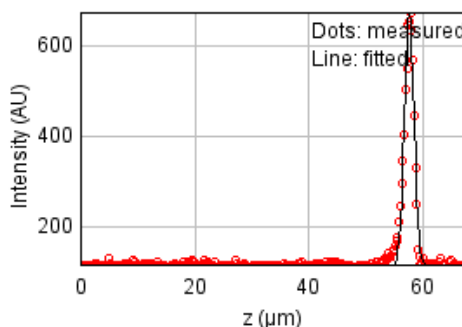
b = -0.106 px

c = 0.482 px

xc = 7.159 px

yc = 7.075 px

Z profile & fitting parameters:



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

Sum of residuals squared: 36687.7186

Standard deviation: 10.93179

R^2 : 0.98201

Parameters:

a = 113.24229

b = 673.60199

c = 57.64893

d = 0.82752

Bead 3109

Date : Mon Oct 17 13:53:59 PDT 2022

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

Frame size : 12 pixels

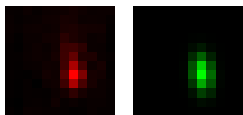
Coordinates : 128 μm (x), 59.8 μm (y), 57.4 μm (z)

Corresponding bead : Not found

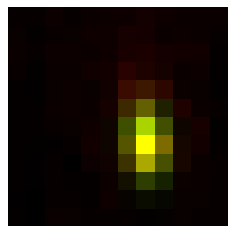
FWHM	Non corrected	Corrected	Theoretical
min	368 nm	383 nm	270 nm
max	672 nm	700 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.548		
Theta	-84.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 459.848 (brightness)

B = 122.056 (background)

a = 0.986 px

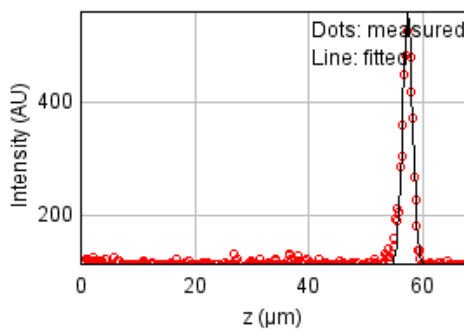
b = -0.061 px

c = 0.303 px

xc = 7.048 px

yc = 6.821 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32502.3993

Standard deviation: 10.28936

R^2 : 0.97628

Parameters:

a = 112.52226

b = 563.59803

c = 57.36952

d = 0.85420

Bead 3110

Date : Mon Oct 17 13:53:59 PDT 2022

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

Frame size : 12 pixels

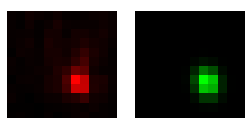
Coordinates : 69.2 μm (x), 59.4 μm (y), 57.9 μm (z)

Corresponding bead : Not found

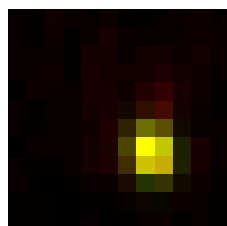
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	504 nm	525 nm	270 nm
z	1.88 μm	1.89 μm	1.3 μm
Asymmetry	0.815		
Theta	-76.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 606.125 (brightness)

B = 129.953 (background)

a = 0.779 px

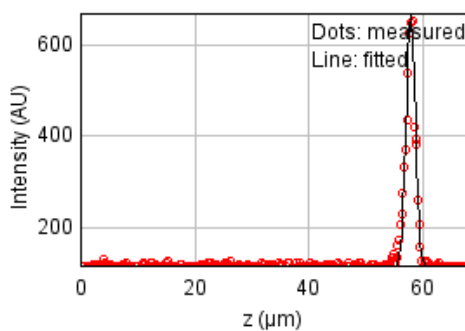
b = -0.063 px

c = 0.543 px

$x_c = 7.364$ px

$y_c = 7.299$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 61474.9062

Standard deviation: 14.15076

R^2 : 0.96863

Parameters:

a = 114.15126

b = 669.40207

c = 57.90145

d = 0.79736

Bead 3111 (Rejected)

Date : Mon Oct 17 13:53:59 PDT 2022

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

Frame size : 12 pixels

Coordinates : 61.9 μm (x), 59.0 μm (y), 57.1 μm (z)

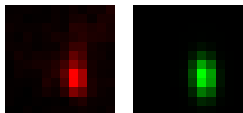
Corresponding bead : Not found

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

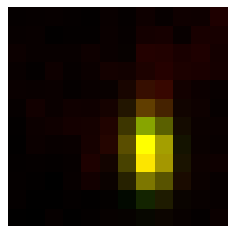
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	703 nm	732 nm	270 nm
z	3.68 μm	3.69 μm	1.3 μm
Asymmetry	0.571		
Theta	-87.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 500.671 (brightness)

B = 133.454 (background)

a = 0.831 px

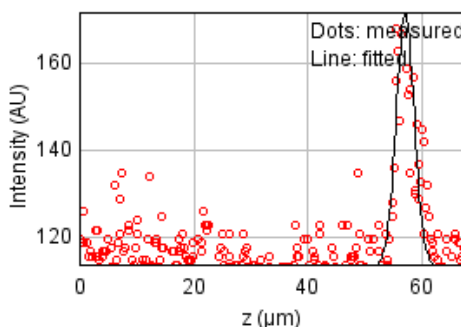
b = -0.029 px

c = 0.273 px

xc = 7.224 px

yc = 7.326 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16856.4261

Standard deviation: 7.40992

R^2 : 0.69685

Parameters:

a = 113.62537

b = 171.53882

c = 57.12581

d = 1.56154

Bead 3112

Date : Mon Oct 17 13:53:59 PDT 2022

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

Frame size : 12 pixels

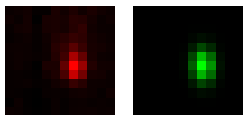
Coordinates : 116 um (x), 56.9 um (y), 57.6 um (z)

Corresponding bead : Not found

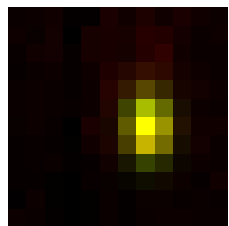
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	640 nm	667 nm	270 nm
z	1.94 um	1.95 um	1.3 um
Asymmetry	0.643		
Theta	-88.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 375.902 (brightness)

B = 120.725 (background)

a = 0.792 px

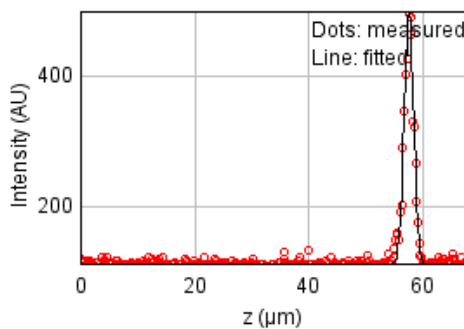
b = -0.013 px

c = 0.328 px

xc = 7.152 px

yc = 5.974 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19963.3218

Standard deviation: 8.06394

R^2 : 0.97969

Parameters:

a = 111.15278

b = 500.14870

c = 57.59406

d = 0.82555

Bead 3113

Date : Mon Oct 17 13:54:00 PDT 2022

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

Frame size : 12 pixels

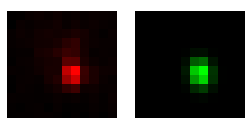
Coordinates : 74.9 μm (x), 55.5 μm (y), 58.0 μm (z)

Corresponding bead : Not found

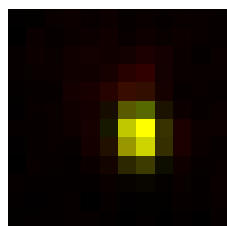
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	394 nm	270 nm
max	499 nm	519 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.758		
Theta	-83.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 701.560 (brightness)

B = 127.785 (background)

a = 0.934 px

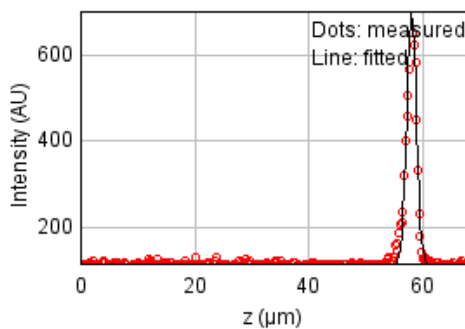
b = -0.044 px

c = 0.544 px

$x_c = 6.646$ px

$y_c = 6.298$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 41391.6046

Standard deviation: 11.61146

R^2 : 0.98187

Parameters:

a = 114.28087

b = 701.18211

c = 58.04255

d = 0.84499

Bead 3114

Date : Mon Oct 17 13:54:00 PDT 2022

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

Frame size : 12 pixels

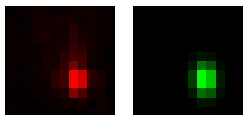
Coordinates : 97.5 μm (x), 51.5 μm (y), 58.0 μm (z)

Corresponding bead : Not found

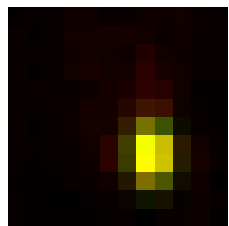
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	412 nm	270 nm
max	571 nm	595 nm	270 nm
z	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.693		
Theta	-87.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 642.737$ (brightness)

$B = 125.963$ (background)

$a = 0.856$ px

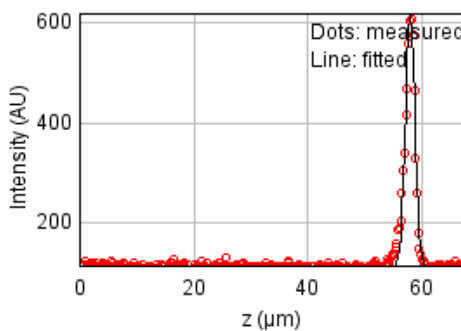
$b = -0.020$ px

$c = 0.412$ px

$x_c = 7.339$ px

$y_c = 7.498$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 35665.9191

Standard deviation: 10.77848

$R^2: 0.97858$

Parameters:

$a = 113.64607$

$b = 621.14026$

$c = 57.97733$

$d = 0.82044$

Bead 3115

Date : Mon Oct 17 13:54:00 PDT 2022

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

Frame size : 12 pixels

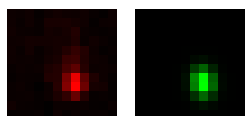
Coordinates : 106 um (x), 50.6 um (y), 57.9 um (z)

Corresponding bead : Not found

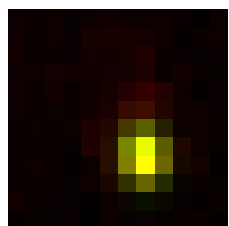
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	535 nm	557 nm	270 nm
z	2.12 um	2.13 um	1.3 um
Asymmetry	0.756		
Theta	-84.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.934$



Parameters:

A = 439.743 (brightness)

B = 121.439 (background)

a = 0.815 px

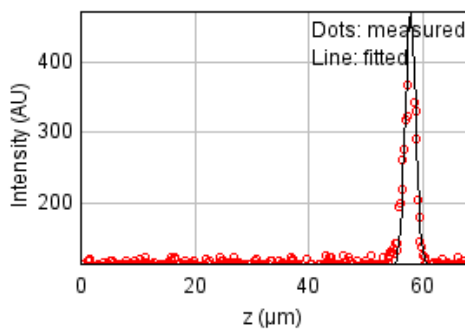
b = -0.037 px

c = 0.472 px

xc = 6.904 px

yc = 7.507 px

Z profile & fitting parameters:



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

Sum of residuals squared: 41390.0996

Standard deviation: 11.61125

R^2 : 0.95571

Parameters:

a = 112.74457

b = 472.06742

c = 57.86694

d = 0.90099

Bead 3116

Date : Mon Oct 17 13:54:00 PDT 2022

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

Frame size : 12 pixels

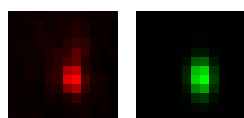
Coordinates : 117 um (x), 47.5 um (y), 57.7 um (z)

Corresponding bead : Not found

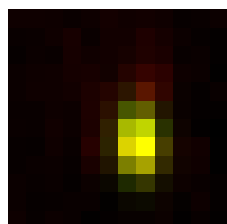
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	650 nm	677 nm	270 nm
z	2.22 um	2.23 um	1.3 um
Asymmetry	0.627		
Theta	-87.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 446.282 (brightness)

B = 123.343 (background)

a = 0.805 px

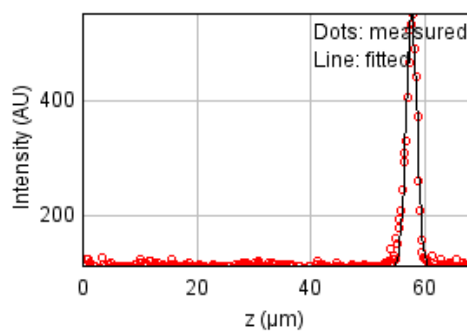
b = -0.024 px

c = 0.318 px

xc = 6.611 px

yc = 6.753 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33097.6213

Standard deviation: 10.38315

R^2 : 0.97668

Parameters:

a = 112.21688

b = 550.39125

c = 57.70806

d = 0.94246

Bead 3117 (Rejected)

Date : Mon Oct 17 13:54:00 PDT 2022

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

Frame size : 12 pixels

Coordinates : 36.8 μm (x), 42.1 μm (y), 57.9 μm (z)

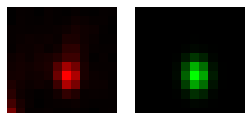
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

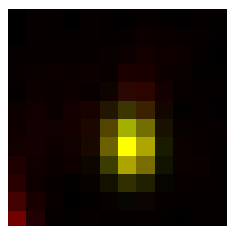
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	456 nm	270 nm
max	573 nm	596 nm	270 nm
z	2.58 μm	2.59 μm	1.3 μm
Asymmetry	0.764		
Theta	-87.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.896$



Parameters:

A = 996.458 (brightness)

B = 154.211 (background)

a = 0.701 px

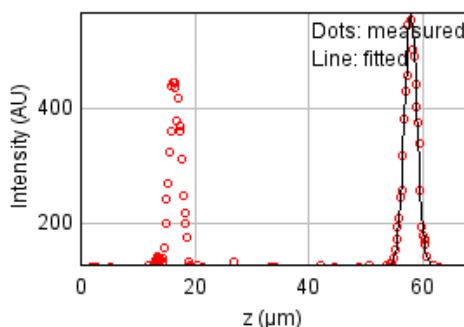
b = -0.013 px

c = 0.410 px

xc = 6.190 px

yc = 6.961 px

Z profile & fitting parameters:



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

Sum of residuals squared: 937344.953

Standard deviation: 55.25614

R^2 : 0.63170

Parameters:

a = 128.18586

b = 567.49034

c = 57.90970

d = 1.09698

Bead 3118 (Rejected)

Date : Mon Oct 17 13:54:00 PDT 2022

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

Frame size : 12 pixels

Coordinates : 83.8 μm (x), 41.6 μm (y), 58.0 μm (z)

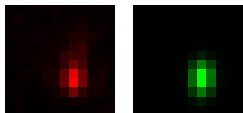
Corresponding bead : Not found

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

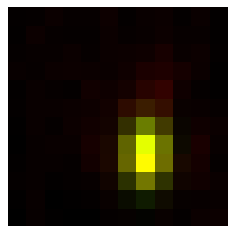
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	605 nm	630 nm	270 nm
z	3.33 μm	3.34 μm	1.3 μm
Asymmetry	0.65		
Theta	88.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 698.363 (brightness)

B = 133.101 (background)

a = 0.869 px

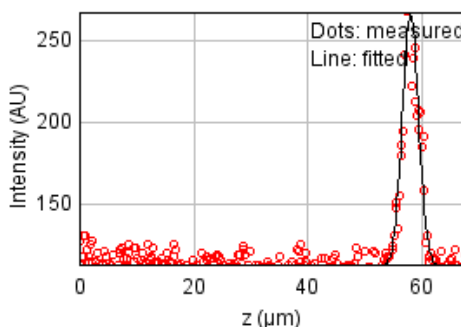
b = 0.017 px

c = 0.368 px

xc = 7.031 px

yc = 7.476 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20582.8698

Standard deviation: 8.18811

R^2 : 0.92463

Parameters:

a = 112.17503

b = 266.96229

c = 58.04429

d = 1.41250

Bead 3119 (Rejected)

Date : Mon Oct 17 13:54:00 PDT 2022

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

Frame size : 12 pixels

Coordinates : 154 μm (x), 38.3 μm (y), 57.7 μm (z)

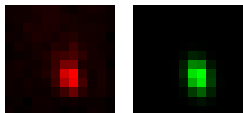
Corresponding bead : Not found

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

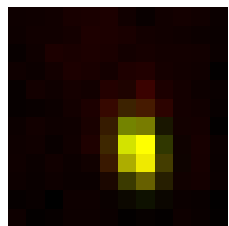
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	415 nm	270 nm
max	590 nm	614 nm	270 nm
z	3.21 μm	3.23 μm	1.3 μm
Asymmetry	0.676		
Theta	-78.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 448.314 (brightness)

B = 122.572 (background)

a = 0.826 px

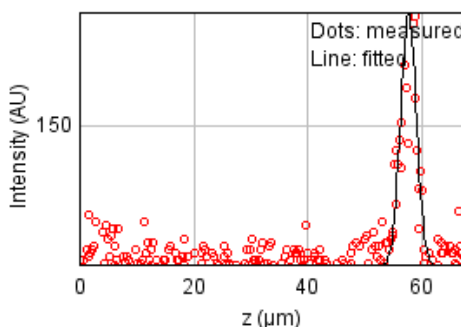
b = -0.092 px

c = 0.405 px

xc = 6.605 px

yc = 7.304 px

Z profile & fitting parameters:



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

Sum of residuals squared: 12564.1581

Standard deviation: 6.39731

R^2 : 0.81551

Parameters:

a = 109.12505

b = 182.89864

c = 57.69265

d = 1.36395

Bead 3120

Date : Mon Oct 17 13:54:00 PDT 2022

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

Frame size : 12 pixels

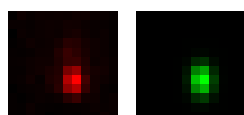
Coordinates : 133 μm (x), 38.4 μm (y), 57.9 μm (z)

Corresponding bead : Not found

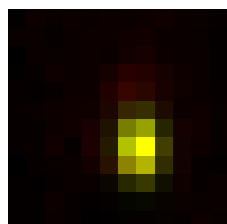
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	577 nm	601 nm	270 nm
z	2.09 μm	2.09 μm	1.3 μm
Asymmetry	0.687		
Theta	-88.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 500.165 (brightness)

B = 122.444 (background)

a = 0.852 px

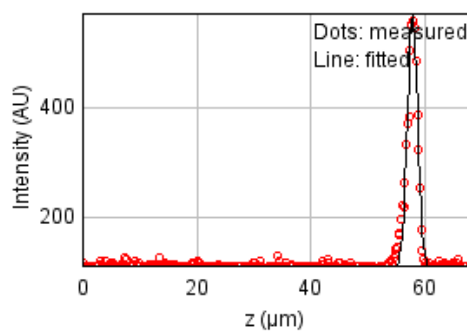
b = -0.016 px

c = 0.403 px

$x_c = 6.667$ px

$y_c = 7.050$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 32510.4335

Standard deviation: 10.29064

R^2 : 0.97791

Parameters:

a = 112.24106

b = 572.04452

c = 57.86531

d = 0.88583

Bead 3121

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

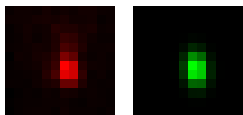
Coordinates : 135 μm (x), 35.0 μm (y), 57.9 μm (z)

Corresponding bead : Not found

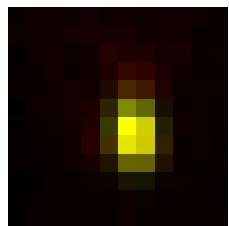
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	415 nm	270 nm
max	615 nm	641 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.648		
Theta	-85.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 648.266 (brightness)

B = 125.774 (background)

a = 0.840 px

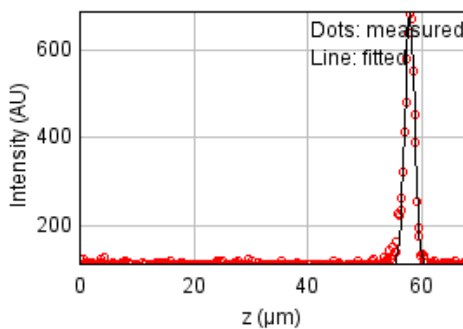
b = -0.042 px

c = 0.358 px

xc = 6.395 px

yc = 6.390 px

Z profile & fitting parameters:



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

Sum of residuals squared: 36950.6579

Standard deviation: 10.97089

R^2 : 0.98304

Parameters:

a = 111.16209

b = 686.47609

c = 57.90819

d = 0.83983

Bead 3122

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

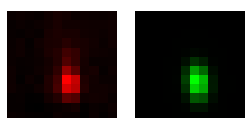
Coordinates : 147 um (x), 28.9 um (y), 57.9 um (z)

Corresponding bead : Not found

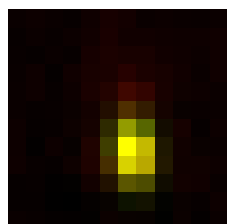
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	408 nm	270 nm
max	627 nm	653 nm	270 nm
z	2.07 um	2.08 um	1.3 um
Asymmetry	0.624		
Theta	-84.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 534.142 (brightness)

B = 122.497 (background)

a = 0.871 px

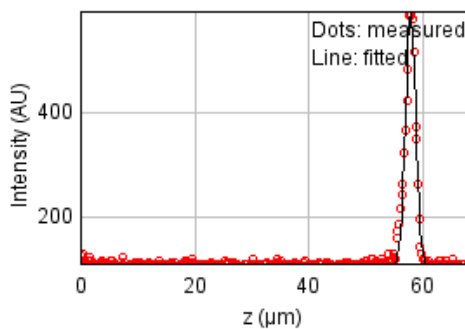
b = -0.051 px

c = 0.347 px

xc = 6.329 px

yc = 7.263 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31359.1156

Standard deviation: 10.10678

R^2 : 0.98020

Parameters:

a = 110.92988

b = 590.33278

c = 57.88907

d = 0.87888

Bead 3123

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

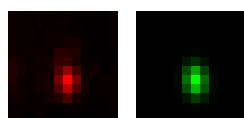
Coordinates : -128 μm (x), 22.5 μm (y), 57.5 μm (z)

Corresponding bead : Not found

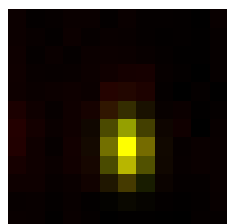
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	579 nm	603 nm	270 nm
z	1.75 μm	1.76 μm	1.3 μm
Asymmetry	0.686		
Theta	-86.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 583.598 (brightness)

B = 127.229 (background)

a = 0.849 px

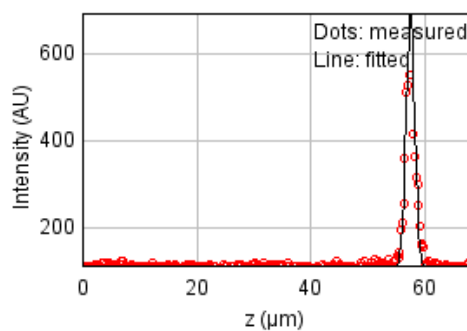
b = -0.031 px

c = 0.403 px

$x_c = 5.991$ px

$y_c = 7.080$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 79968.0214

Standard deviation: 16.13946

R^2 : 0.96067

Parameters:

a = 113.26893

b = 695.33186

c = 57.50132

d = 0.74461

Bead 3124

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

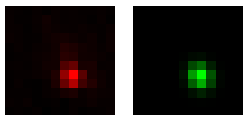
Coordinates : -88.9 μm (x), 17.9 μm (y), 57.9 μm (z)

Corresponding bead : Not found

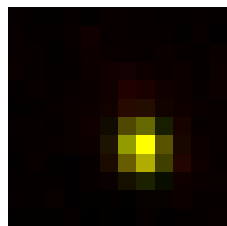
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	463 nm	482 nm	270 nm
z	1.83 μm	1.84 μm	1.3 μm
Asymmetry	0.869		
Theta	-71.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 666.435 (brightness)

B = 122.363 (background)

a = 0.809 px

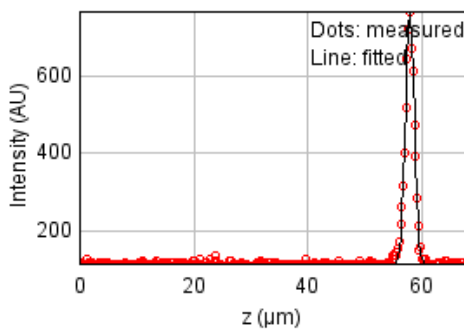
b = -0.061 px

c = 0.647 px

$x_c = 6.817$ px

$y_c = 7.176$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19077.0027

Standard deviation: 7.88290

R^2 : 0.99262

Parameters:

a = 113.49502

b = 767.30736

c = 57.92623

d = 0.77651

Bead 3125 (Rejected)

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

Coordinates : -27.0 μm (x), -7.4 μm (y), 57.9 μm (z)

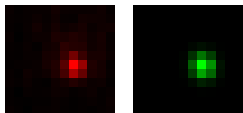
Corresponding bead : Not found

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

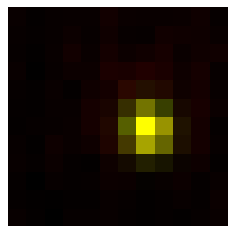
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	434 nm	270 nm
max	469 nm	489 nm	270 nm
z	3.44 μm	3.45 μm	1.3 μm
Asymmetry	0.887		
Theta	-78.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 601.846 (brightness)

B = 124.884 (background)

a = 0.768 px

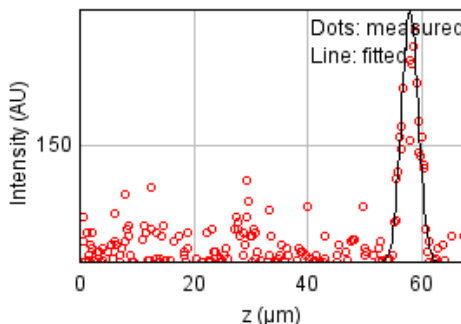
b = -0.033 px

c = 0.616 px

xc = 7.148 px

yc = 6.149 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17881.5281

Standard deviation: 7.63191

R^2 : 0.79190

Parameters:

a = 113.38638

b = 192.55318

c = 57.94983

d = 1.45896

Bead 3126

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

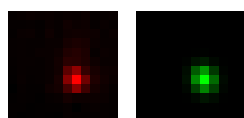
Coordinates : -81.2 μm (x), -32.0 μm (y), 57.9 μm (z)

Corresponding bead : Not found

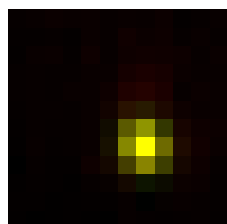
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	481 nm	501 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.862		
Theta	-71.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 830.412 (brightness)

B = 128.038 (background)

a = 0.758 px

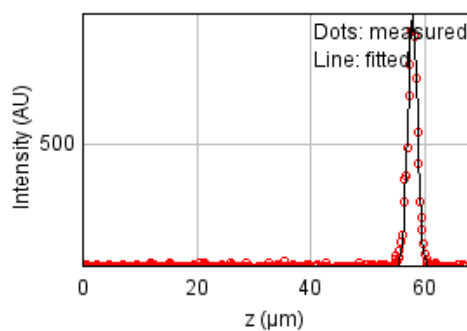
b = -0.062 px

c = 0.600 px

xc = 6.912 px

yc = 6.939 px

Z profile & fitting parameters:



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

Sum of residuals squared: 44199.5960

Standard deviation: 11.99886

R^2 : 0.98921

Parameters:

a = 113.80870

b = 908.85917

c = 57.88887

d = 0.83213

Bead 3127

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

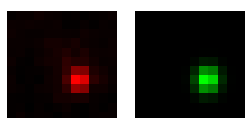
Coordinates : -43.7 μm (x), -44.8 μm (y), 58.0 μm (z)

Corresponding bead : Not found

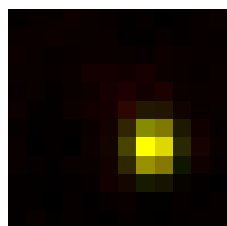
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	479 nm	499 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.881		
Theta	85.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 644.017$ (brightness)

$B = 125.971$ (background)

$a = 0.753$ px

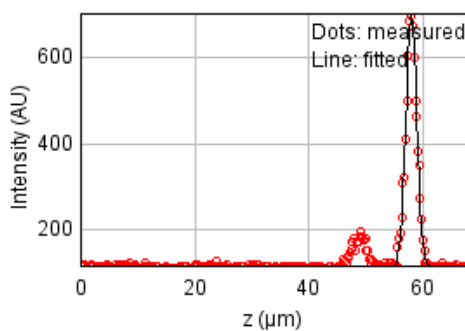
$b = 0.014$ px

$c = 0.586$ px

$x_c = 7.389$ px

$y_c = 7.008$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 78614.2645

Standard deviation: 16.00227

$R^2: 0.96920$

Parameters:

$a = 116.86856$

$b = 701.88875$

$c = 58.01154$

$d = 0.94388$

Bead 3128 (Rejected)

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

Coordinates : -61.1 μm (x), -61.3 μm (y), 59.3 μm (z)

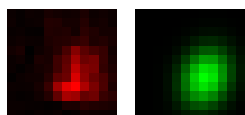
Corresponding bead : Not found

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

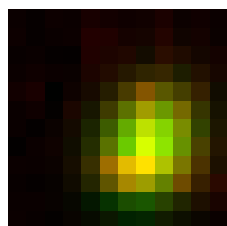
FWHM	Non corrected	Corrected	Theoretical
min	863 nm	899 nm	270 nm
max	1.09 μm	1.13 μm	270 nm
z	1.3 μm	1.31 μm	1.3 μm
Asymmetry	0.794		
Theta	68.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 209.032 (brightness)

B = 120.144 (background)

a = 0.172 px

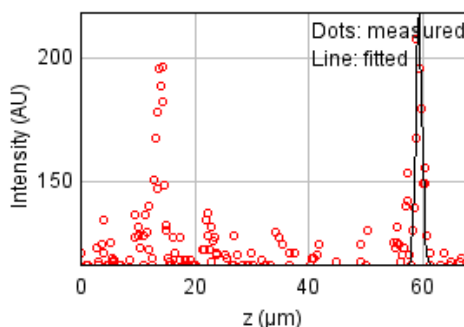
b = 0.022 px

c = 0.122 px

xc = 7.176 px

yc = 6.974 px

Z profile & fitting parameters:



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

Sum of residuals squared: 55580.2675

Standard deviation: 13.45523

R^2 : 0.44951

Parameters:

a = 116.49294

b = 218.93721

c = 59.34603

d = 0.55274

Bead 3129

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

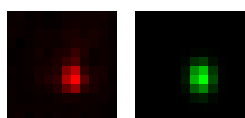
Coordinates : 133 μm (x), -77.5 μm (y), 57.6 μm (z)

Corresponding bead : Not found

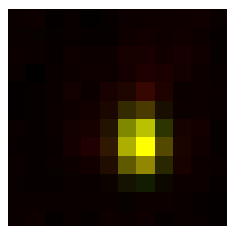
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	541 nm	563 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.748		
Theta	-87.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 556.168 (brightness)

B = 120.257 (background)

a = 0.820 px

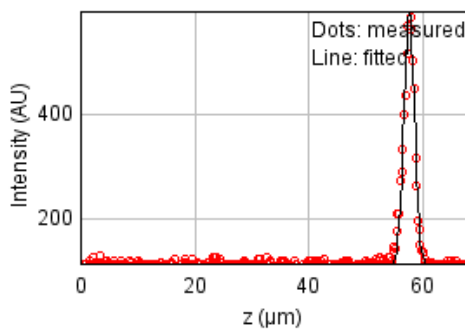
b = -0.015 px

c = 0.460 px

$x_c = 6.726$ px

$y_c = 6.798$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 32791.1614

Standard deviation: 10.33497

R^2 : 0.98100

Parameters:

a = 110.99214

b = 599.68993

c = 57.64574

d = 0.92445

Bead 3130

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

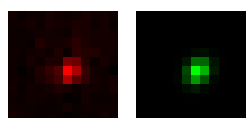
Coordinates : 147 μm (x), -89.9 μm (y), 57.2 μm (z)

Corresponding bead : Not found

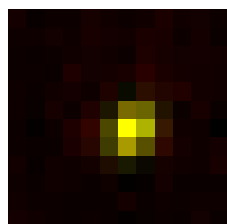
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	480 nm	499 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.8		
Theta	54.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 289.628 (brightness)

B = 113.870 (background)

a = 0.802 px

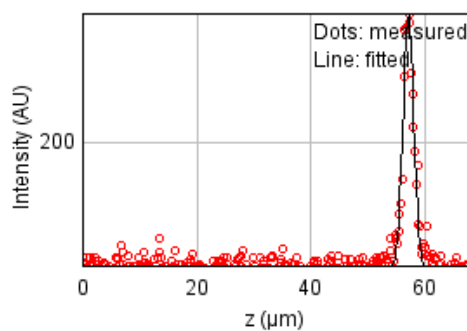
b = 0.155 px

c = 0.693 px

$x_c = 6.265$ px

$y_c = 6.077$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19074.7851

Standard deviation: 7.88244

R^2 : 0.92551

Parameters:

a = 110.57051

b = 294.19511

c = 57.15642

d = 0.91641

Bead 3131

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

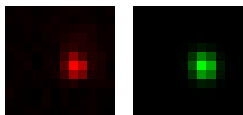
Coordinates : -75.4 μm (x), -90.8 μm (y), 57.9 μm (z)

Corresponding bead : Not found

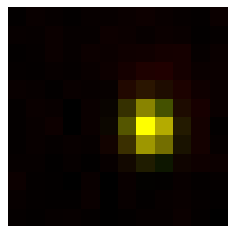
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	438 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.874		
Theta	-75.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 601.269 (brightness)

B = 122.255 (background)

a = 0.749 px

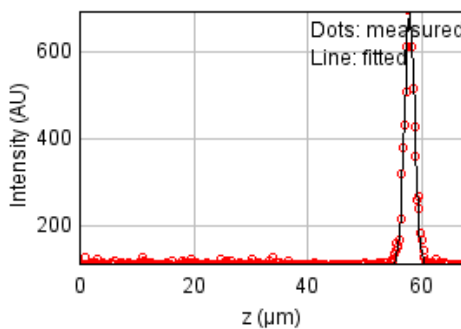
b = -0.044 px

c = 0.592 px

$x_c = 7.236$ px

$y_c = 6.075$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28216.9950

Standard deviation: 9.58708

R^2 : 0.98750

Parameters:

a = 113.56314

b = 690.02850

c = 57.86598

d = 0.87248

Bead 3132

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

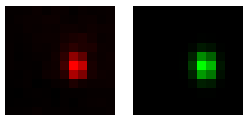
Coordinates : -46.8 μm (x), 94.7 μm (y), 57.9 μm (z)

Corresponding bead : Not found

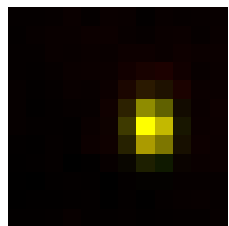
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	494 nm	515 nm	270 nm
z	1.89 μm	1.9 μm	1.3 μm
Asymmetry	0.779		
Theta	-85.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 850.067$ (brightness)

$B = 122.870$ (background)

$a = 0.904$ px

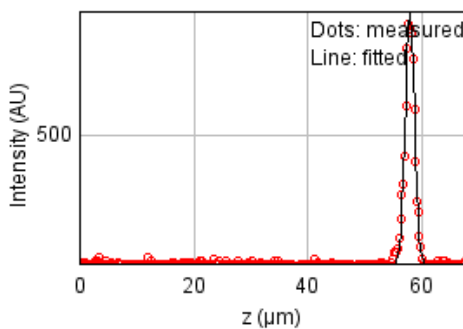
$b = -0.025$ px

$c = 0.551$ px

$x_c = 7.323$ px

$y_c = 6.060$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29496.9836

Standard deviation: 9.80211

$R^2 = 0.99184$

Parameters:

$a = 113.29815$

$b = 872.99968$

$c = 57.93198$

$d = 0.80445$

Bead 3133

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

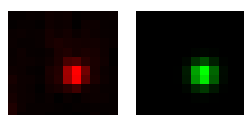
Coordinates : -32.6 μm (x), 92.9 μm (y), 58.0 μm (z)

Corresponding bead : Not found

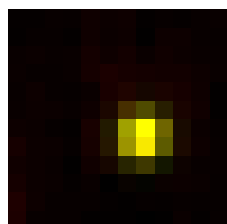
FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	450 nm	469 nm	270 nm
z	1.81 μm	1.81 μm	1.3 μm
Asymmetry	0.977		
Theta	82.0°		

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 = 702.790 (brightness)

B = 129.017 (background)

a = 0.693 px

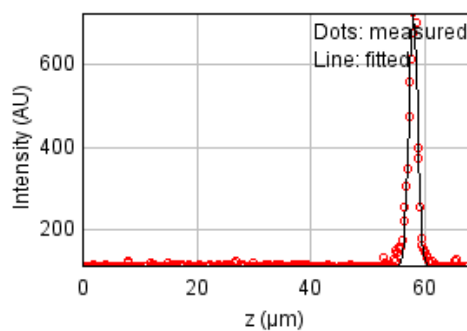
b = 0.004 px

c = 0.663 px

xc = 6.830 px

yc = 6.429 px

Z profile & fitting parameters:



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

Sum of residuals squared: 60945.1193

Standard deviation: 14.08965

R^2 : 0.97335

Parameters:

a = 113.88658

b = 726.64360

c = 57.98889

d = 0.76658

Bead 3134

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

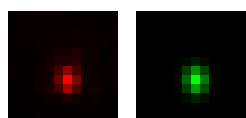
Coordinates : -27.5 μm (x), 87.9 μm (y), 57.9 μm (z)

Corresponding bead : Not found

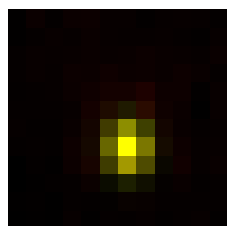
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	495 nm	515 nm	270 nm
z	1.83 μm	1.84 μm	1.3 μm
Asymmetry	0.811		
Theta	-86.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 869.014 (brightness)

B = 126.764 (background)

a = 0.834 px

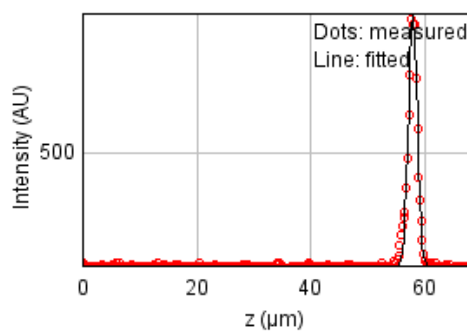
b = -0.019 px

c = 0.550 px

xc = 6.045 px

yc = 7.038 px

Z profile & fitting parameters:



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

Sum of residuals squared: 51309.2042

Standard deviation: 12.92791

R^2 : 0.98862

Parameters:

a = 113.45319

b = 975.06848

c = 57.92503

d = 0.77675

Bead 3135 (Rejected)

Date : Mon Oct 17 13:54:01 PDT 2022

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

Frame size : 12 pixels

Coordinates : -33.7 μm (x), 78.7 μm (y), 56.6 μm (z)

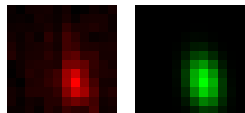
Corresponding bead : Not found

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

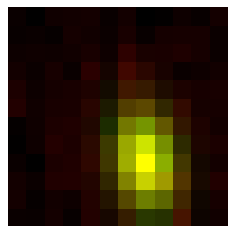
FWHM	Non corrected	Corrected	Theoretical
min	586 nm	610 nm	270 nm
max	956 nm	996 nm	270 nm
z	2.25 μm	2.26 μm	1.3 μm
Asymmetry	0.613		
Theta	-80.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 208.608 (brightness)

B = 125.882 (background)

a = 0.384 px

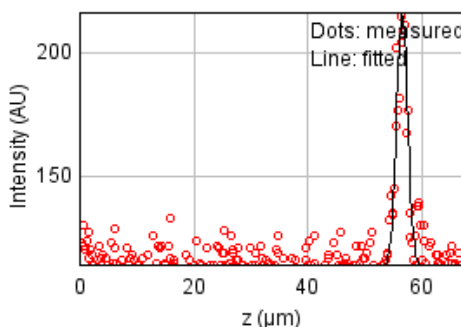
b = -0.041 px

c = 0.154 px

xc = 6.986 px

yc = 7.855 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19369.4265

Standard deviation: 7.94308

R^2 : 0.79458

Parameters:

a = 114.66537

b = 215.95226

c = 56.58421

d = 0.95410

Bead 3136

Date : Mon Oct 17 13:54:02 PDT 2022

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

Frame size : 12 pixels

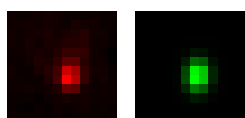
Coordinates : 57.5 um (x), 69.3 um (y), 57.7 um (z)

Corresponding bead : Not found

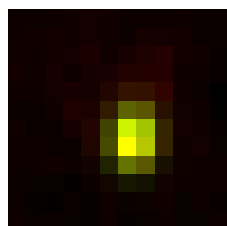
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	443 nm	270 nm
max	567 nm	590 nm	270 nm
z	2.33 um	2.34 um	1.3 um
Asymmetry	0.75		
Theta	86.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 582.299 (brightness)

B = 128.024 (background)

a = 0.740 px

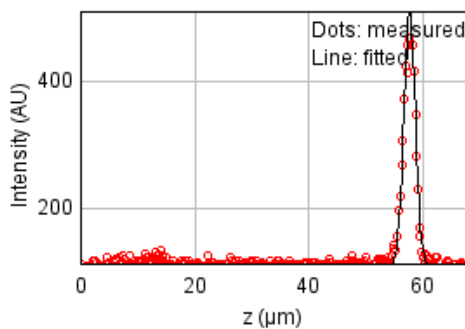
b = 0.020 px

c = 0.419 px

xc = 6.344 px

yc = 6.543 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30162.4547

Standard deviation: 9.91207

R^2 : 0.97524

Parameters:

a = 113.95413

b = 510.63598

c = 57.71493

d = 0.98815

Bead 3137

Date : Mon Oct 17 13:54:02 PDT 2022

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

Frame size : 12 pixels

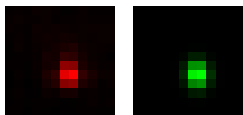
Coordinates : -31.6 μm (x), 69.4 μm (y), 58.4 μm (z)

Corresponding bead : Not found

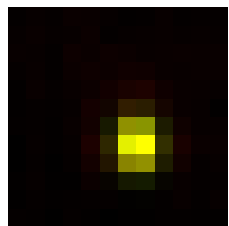
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	494 nm	514 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.793		
Theta	-86.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1054.235$ (brightness)

$B = 128.669$ (background)

$a = 0.874$ px

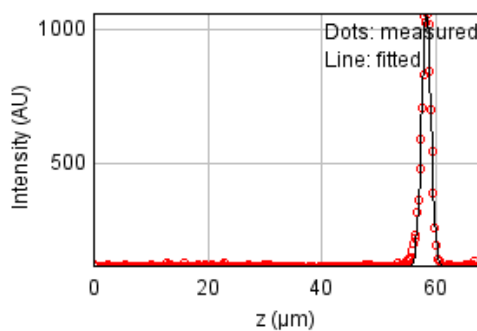
$b = -0.018$ px

$c = 0.552$ px

$x_c = 6.535$ px

$y_c = 6.973$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 49328.9985

Standard deviation: 12.67599

$R^2: 0.99139$

Parameters:

$a = 114.87353$

$b = 1058.91624$

$c = 58.36205$

$d = 0.82687$

Bead 3138

Date : Mon Oct 17 13:54:02 PDT 2022

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

Frame size : 12 pixels

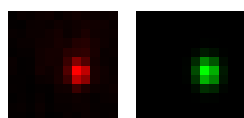
Coordinates : 34.6 μm (x), 61.5 μm (y), 58.1 μm (z)

Corresponding bead : Not found

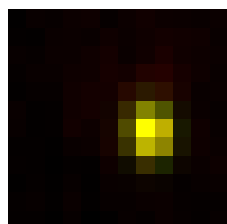
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	517 nm	538 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.791		
Theta	-83.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 655.946 (brightness)

B = 122.685 (background)

a = 0.801 px

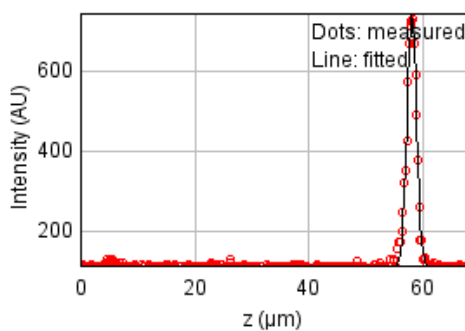
b = -0.032 px

c = 0.506 px

$x_c = 7.271$ px

$y_c = 6.173$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31463.0404

Standard deviation: 10.12351

R^2 : 0.98770

Parameters:

a = 114.67991

b = 742.24825

c = 58.08203

d = 0.83263

Bead 3139

Date : Mon Oct 17 13:54:02 PDT 2022

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

Frame size : 12 pixels

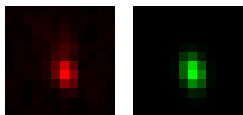
Coordinates : 95.1 μm (x), 61.3 μm (y), 57.7 μm (z)

Corresponding bead : Not found

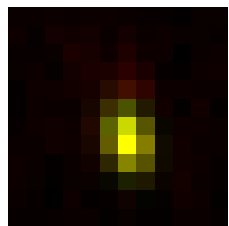
FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	594 nm	619 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.652		
Theta	-76.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 427.674$ (brightness)

$B = 120.167$ (background)

$a = 0.866$ px

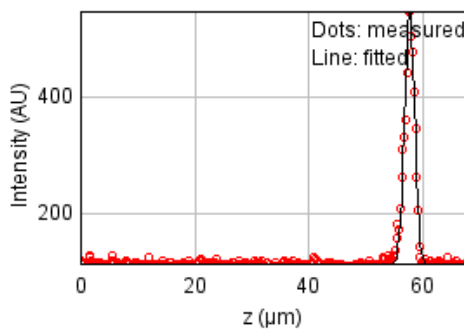
$b = -0.113$ px

$c = 0.406$ px

$x_c = 6.053$ px

$y_c = 6.716$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23229.9324

Standard deviation: 8.69871

$R^2: 0.98229$

Parameters:

$a = 112.72076$

$b = 550.63114$

$c = 57.71862$

$d = 0.87405$

Bead 3140

Date : Mon Oct 17 13:54:02 PDT 2022

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

Frame size : 12 pixels

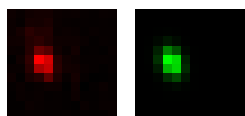
Coordinates : -26.1 μm (x), 61.2 μm (y), 12.1 μm (z)

Corresponding bead : Not found

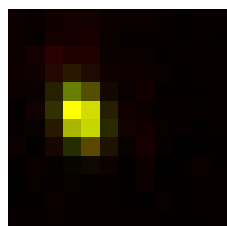
FWHM	Non corrected	Corrected	Theoretical
min	371 nm	386 nm	270 nm
max	534 nm	557 nm	270 nm
z	1.79 μm	1.8 μm	1.3 μm
Asymmetry	0.694		
Theta	-70.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 551.494 (brightness)

B = 120.378 (background)

a = 0.916 px

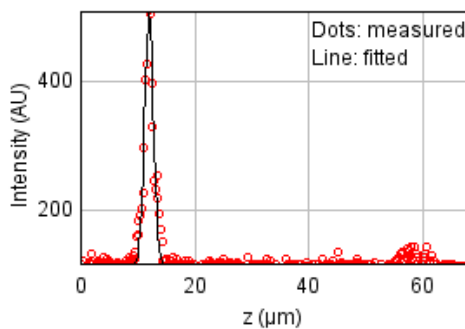
b = -0.161 px

c = 0.528 px

xc = 3.473 px

yc = 5.313 px

Z profile & fitting parameters:



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

Sum of residuals squared: 55506.2052

Standard deviation: 13.44626

R^2 : 0.94301

Parameters:

a = 115.55834

b = 510.29895

c = 12.06563

d = 0.76197

Bead 3141

Date : Mon Oct 17 13:54:02 PDT 2022

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

Frame size : 12 pixels

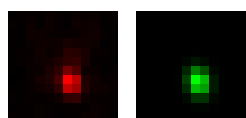
Coordinates : 51.6 μm (x), 55.5 μm (y), 58.2 μm (z)

Corresponding bead : Not found

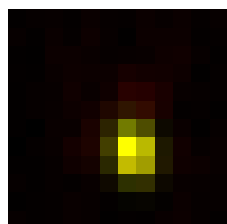
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	515 nm	537 nm	270 nm
z	1.97 μm	1.97 μm	1.3 μm
Asymmetry	0.761		
Theta	-78.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 736.856$ (brightness)

$B = 135.617$ (background)

$a = 0.857$ px

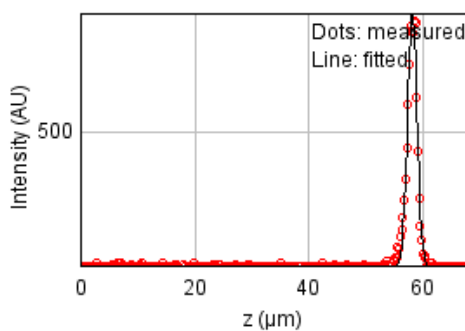
$b = -0.074$ px

$c = 0.521$ px

$x_c = 6.334$ px

$y_c = 7.246$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 50319.8050

Standard deviation: 12.80266

$R^2 = 0.98575$

Parameters:

$a = 114.03155$

$b = 849.76620$

$c = 58.18279$

$d = 0.83472$

Bead 3142 (Rejected)

Date : Mon Oct 17 13:54:02 PDT 2022

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

Frame size : 12 pixels

Coordinates : 34.3 μm (x), 54.2 μm (y), 38.3 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	3.51 μm	3.53 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

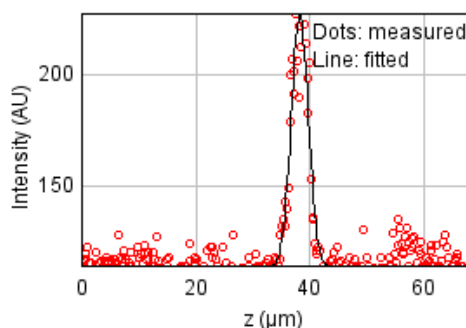
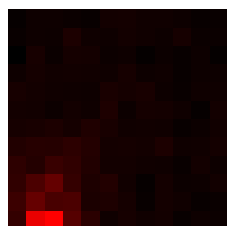
XY profile & fitting parameters :

(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: 17037.7494

Standard deviation: 7.44967

R²: 0.89538

Parameters:

a = 113.27047

b = 227.98920

c = 38.31217

d = 1.49164

Bead 3143 (Rejected)

Date : Mon Oct 17 13:54:02 PDT 2022

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

Frame size : 12 pixels

Coordinates : -16.8 μm (x), 51.5 μm (y), 57.7 μm (z)

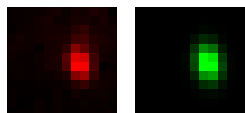
Corresponding bead : Not found

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

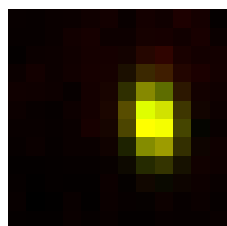
FWHM	Non corrected	Corrected	Theoretical
min	451 nm	469 nm	270 nm
max	675 nm	703 nm	270 nm
z	2.96 μm	2.97 μm	1.3 μm
Asymmetry	0.668		
Theta	-81.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 523.445 (brightness)

B = 127.672 (background)

a = 0.652 px

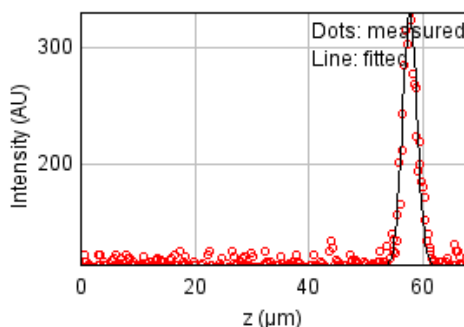
b = -0.056 px

c = 0.304 px

xc = 7.462 px

yc = 5.596 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24457.5167

Standard deviation: 8.92559

R^2 : 0.94790

Parameters:

a = 113.76381

b = 330.71587

c = 57.74362

d = 1.25602

Bead 3144

Date : Mon Oct 17 13:54:02 PDT 2022

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

Frame size : 12 pixels

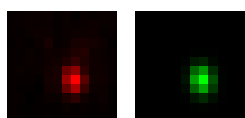
Coordinates : 8.54 μm (x), 51.8 μm (y), 58.4 μm (z)

Corresponding bead : Not found

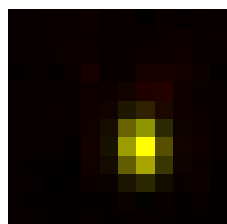
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	523 nm	545 nm	270 nm
z	1.82 μm	1.82 μm	1.3 μm
Asymmetry	0.762		
Theta	-83.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 987.927$ (brightness)

$B = 131.640$ (background)

$a = 0.838$ px

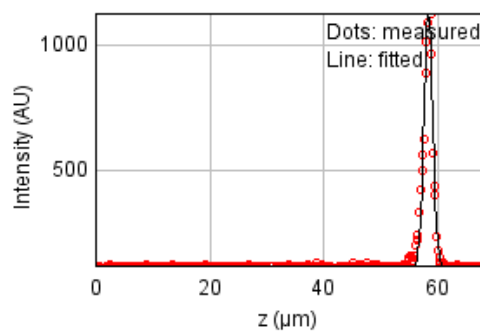
$b = -0.037$ px

$c = 0.494$ px

$x_c = 6.797$ px

$y_c = 7.034$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 142374.621

Standard deviation: 21.53511

$R^2: 0.97742$

Parameters:

$a = 116.40989$

$b = 1132.79053$

$c = 58.36908$

$d = 0.77180$

Bead 3145

Date : Mon Oct 17 13:54:02 PDT 2022

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

Frame size : 12 pixels

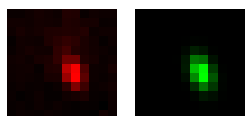
Coordinates : 139 μm (x), 48.9 μm (y), 57.4 μm (z)

Corresponding bead : Not found

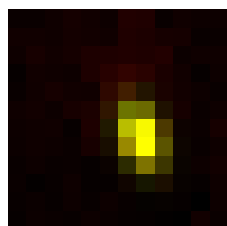
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	617 nm	643 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.616		
Theta	-71.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 391.487$ (brightness)

$B = 120.552$ (background)

$a = 0.869$ px

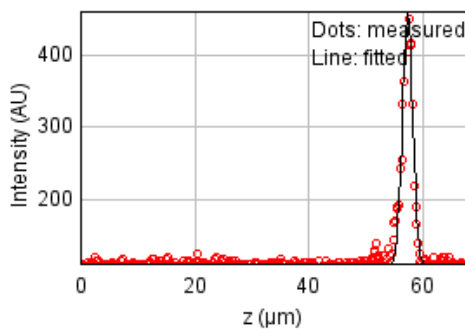
$b = -0.177$ px

$c = 0.413$ px

$x_c = 6.742$ px

$y_c = 6.419$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29822.5403

Standard deviation: 9.85606

$R^2: 0.96538$

Parameters:

$a = 111.27158$

$b = 459.51781$

$c = 57.36254$

$d = 0.89277$

Bead 3146

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

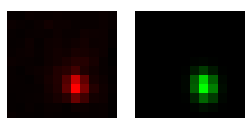
Coordinates : 45.3 μm (x), 47.3 μm (y), 58.4 μm (z)

Corresponding bead : Not found

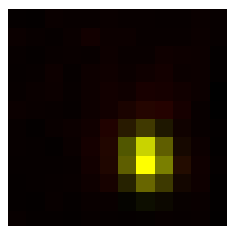
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	496 nm	517 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.796		
Theta	-79.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 803.657 (brightness)

B = 126.196 (background)

a = 0.850 px

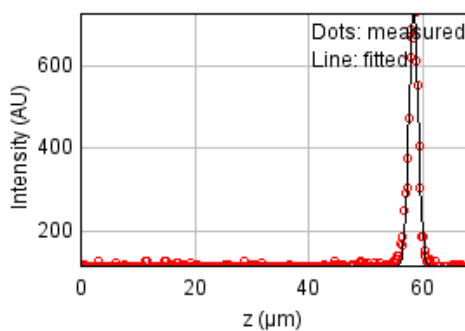
b = -0.055 px

c = 0.555 px

$x_c = 7.067$ px

$y_c = 7.681$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 34233.9896

Standard deviation: 10.55989

R^2 : 0.98594

Parameters:

a = 114.34619

b = 729.30734

c = 58.41553

d = 0.82341

Bead 3147

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

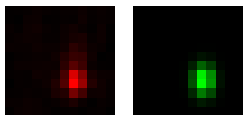
Coordinates : 90.0 μm (x), 44.9 μm (y), 58.1 μm (z)

Corresponding bead : Not found

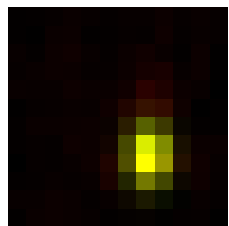
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	413 nm	270 nm
max	571 nm	595 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.694		
Theta	89.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 643.811$ (brightness)

$B = 129.132$ (background)

$a = 0.855$ px

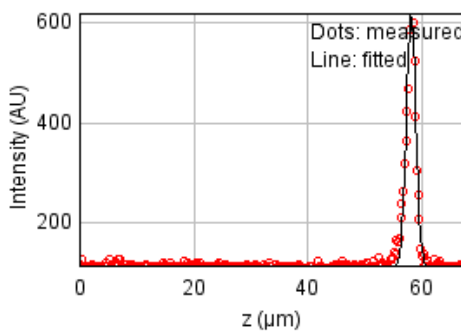
$b = 0.003$ px

$c = 0.412$ px

$x_c = 7.190$ px

$y_c = 7.588$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 35205.8627

Standard deviation: 10.70874

$R^2: 0.97902$

Parameters:

$a = 112.86883$

$b = 619.29133$

$c = 58.13639$

$d = 0.83108$

Bead 3148

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

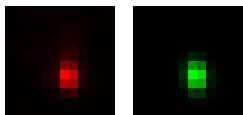
Coordinates : 63.0 μm (x), 42.8 μm (y), 58.4 μm (z)

Corresponding bead : Not found

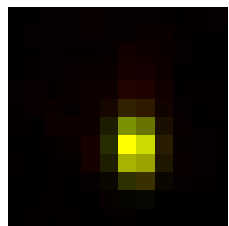
FWHM	Non corrected	Corrected	Theoretical
min	376 nm	391 nm	270 nm
max	540 nm	563 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.696		
Theta	-85.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 857.507 (brightness)

B = 131.014 (background)

a = 0.947 px

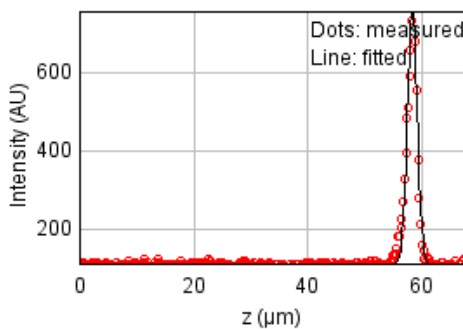
b = -0.036 px

c = 0.463 px

$x_c = 6.421$ px

$y_c = 7.141$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 66554.4467

Standard deviation: 14.72378

R^2 : 0.97672

Parameters:

a = 113.44821

b = 758.67357

c = 58.36347

d = 0.87233

Bead 3149 (Rejected)

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

Coordinates : 138 um (x), 35.9 um (y), 58.0 um (z)

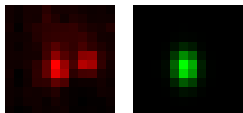
Corresponding bead : Not found

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

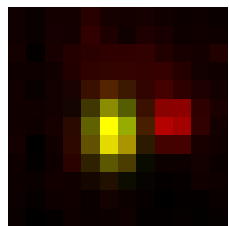
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	463 nm	270 nm
max	596 nm	621 nm	270 nm
z	2.67 um	2.68 um	1.3 um
Asymmetry	0.745		
Theta	-88.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.606$



Parameters:

A = 314.599 (brightness)

B = 135.274 (background)

a = 0.680 px

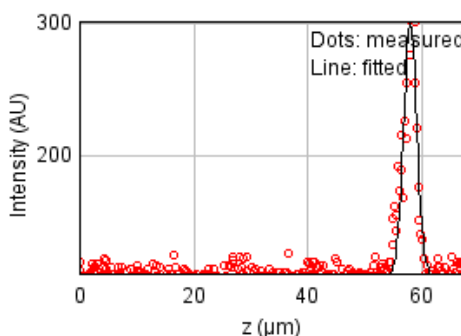
b = -0.006 px

c = 0.378 px

xc = 5.213 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: 30769.8741

Standard deviation: 10.01137

R^2 : 0.91024

Parameters:

a = 110.59385

b = 301.13097

c = 58.00185

d = 1.13412

Bead 3150

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

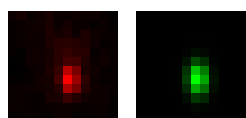
Coordinates : 162 μm (x), 34.5 μm (y), 57.5 μm (z)

Corresponding bead : Not found

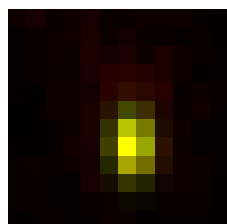
FWHM	Non corrected	Corrected	Theoretical
min	383 nm	398 nm	270 nm
max	619 nm	645 nm	270 nm
z	2.01 μm	2.01 μm	1.3 μm
Asymmetry	0.618		
Theta	-88.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 402.577$ (brightness)

$B = 118.565$ (background)

$a = 0.917$ px

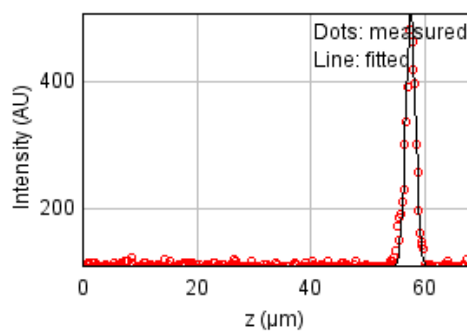
$b = -0.014$ px

$c = 0.351$ px

$x_c = 6.260$ px

$y_c = 6.888$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25097.4242

Standard deviation: 9.04160

$R^2: 0.97638$

Parameters:

$a = 110.76493$

$b = 508.50841$

$c = 57.54447$

$d = 0.85207$

Bead 3151

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

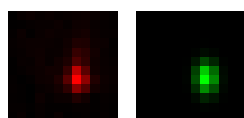
Coordinates : 88.0 μm (x), 32.3 μm (y), 58.3 μm (z)

Corresponding bead : Not found

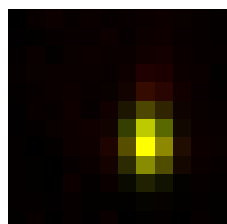
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	568 nm	591 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.677		
Theta	-88.5°		

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:

$A = 735.667$ (brightness)

$B = 127.986$ (background)

$a = 0.909$ px

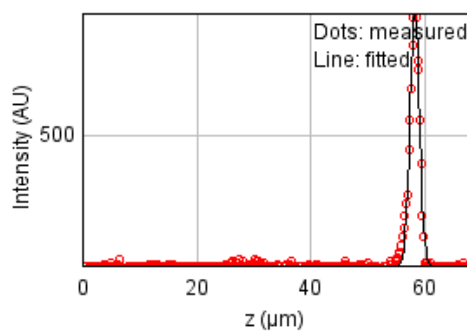
$b = -0.013$ px

$c = 0.417$ px

$x_c = 7.151$ px

$y_c = 6.785$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 48843.4833

Standard deviation: 12.61346

$R^2 = 0.98657$

Parameters:

$a = 114.32003$

$b = 857.09282$

$c = 58.25506$

$d = 0.84432$

Bead 3152

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

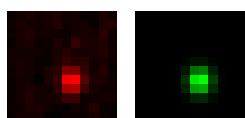
Coordinates : -161 μm (x), 28.7 μm (y), 54.6 μm (z)

Corresponding bead : Not found

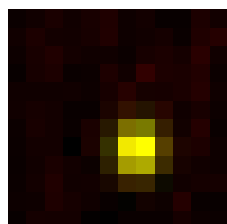
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	485 nm	506 nm	270 nm
z	1.9 μm	1.9 μm	1.3 μm
Asymmetry	0.88		
Theta	-89.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 248.114$ (brightness)

$B = 115.017$ (background)

$a = 0.735$ px

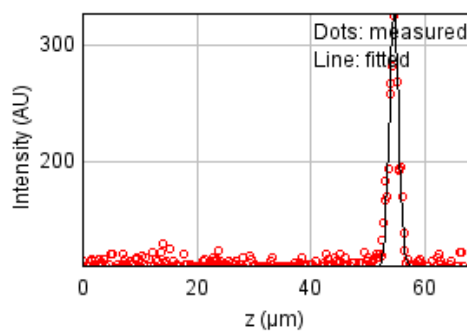
$b = -0.002$ px

$c = 0.569$ px

$x_c = 6.561$ px

$y_c = 7.146$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21980.7860

Standard deviation: 8.46160

$R^2: 0.93036$

Parameters:

$a = 111.30327$

$b = 328.65955$

$c = 54.64889$

$d = 0.80541$

Bead 3153

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

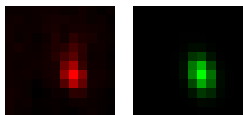
Coordinates : 140 μm (x), 23.9 μm (y), 57.9 μm (z)

Corresponding bead : Not found

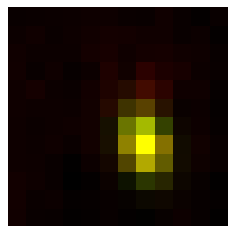
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	631 nm	658 nm	270 nm
z	2.07 μm	2.07 μm	1.3 μm
Asymmetry	0.656		
Theta	-75.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 489.913 (brightness)

B = 127.174 (background)

a = 0.754 px

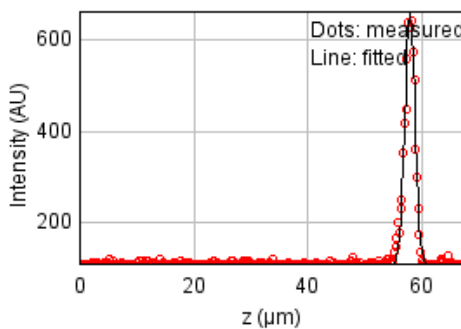
b = -0.109 px

c = 0.365 px

$x_c = 6.939$ px

$y_c = 6.917$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27032.6669

Standard deviation: 9.38372

R^2 : 0.98708

Parameters:

a = 110.63210

b = 663.93738

c = 57.94206

d = 0.87740

Bead 3154

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

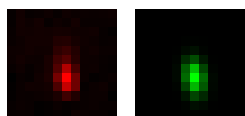
Coordinates : 153 μm (x), 23.4 μm (y), 57.9 μm (z)

Corresponding bead : Not found

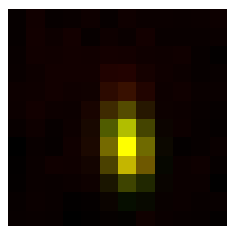
FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	661 nm	688 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.587		
Theta	-82.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 496.892 (brightness)

B = 120.125 (background)

a = 0.881 px

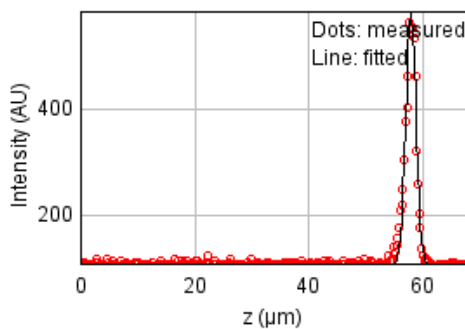
b = -0.076 px

c = 0.317 px

$x_c = 5.996$ px

$y_c = 6.963$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27920.3428

Standard deviation: 9.53655

R^2 : 0.98189

Parameters:

a = 110.44583

b = 581.78721

c = 57.93815

d = 0.88666

Bead 3155 (Rejected)

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

Coordinates : 114 μm (x), 22.2 μm (y), 58.2 μm (z)

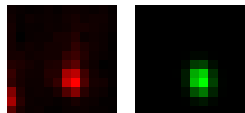
Corresponding bead : Not found

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

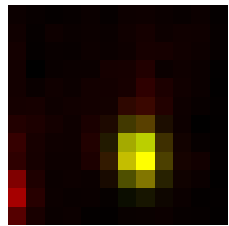
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	528 nm	550 nm	270 nm
z	3.34 μm	3.35 μm	1.3 μm
Asymmetry	0.754		
Theta	-82.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.775$



Parameters:

A = 621.974 (brightness)

B = 140.989 (background)

a = 0.841 px

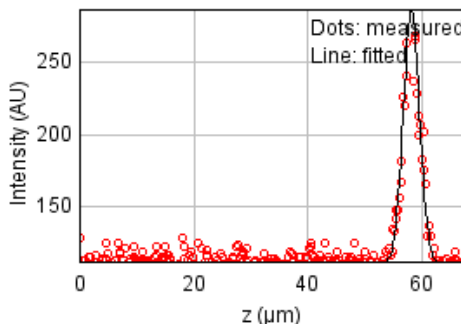
b = -0.049 px

c = 0.488 px

xc = 6.659 px

yc = 7.679 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19063.7386

Standard deviation: 7.88016

R^2 : 0.94461

Parameters:

a = 111.59514

b = 287.00833

c = 58.20770

d = 1.41633

Bead 3156

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

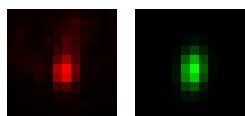
Coordinates : 82.2 μm (x), 21.9 μm (y), 57.8 μm (z)

Corresponding bead : Not found

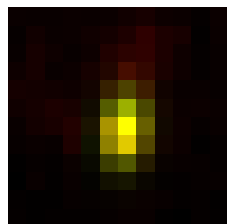
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	436 nm	270 nm
max	670 nm	698 nm	270 nm
z	3.52 μm	3.54 μm	1.3 μm
Asymmetry	0.624		
Theta	84.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 513.833 (brightness)

B = 128.991 (background)

a = 0.762 px

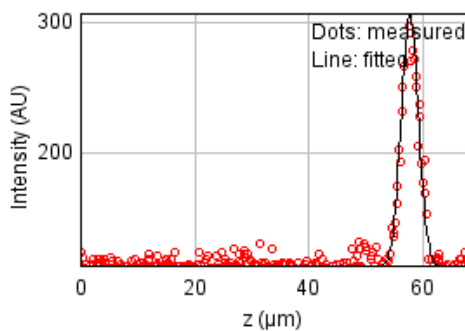
b = 0.046 px

c = 0.303 px

xc = 5.848 px

yc = 6.140 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23015.5196

Standard deviation: 8.65847

R^2 : 0.94839

Parameters:

a = 112.45455

b = 307.55456

c = 57.76346

d = 1.49623

Bead 3157

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

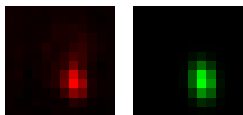
Coordinates : 128 μm (x), 18.9 μm (y), 58.0 μm (z)

Corresponding bead : Not found

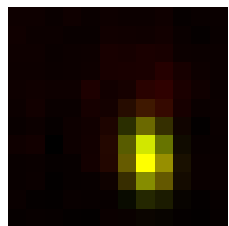
FWHM	Non corrected	Corrected	Theoretical
min	406 nm	423 nm	270 nm
max	629 nm	655 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.646		
Theta	-83.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 651.904 (brightness)

B = 132.562 (background)

a = 0.808 px

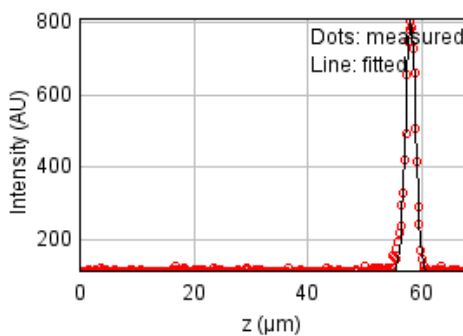
b = -0.056 px

c = 0.346 px

$x_c = 7.117$ px

$y_c = 7.662$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31100.2104

Standard deviation: 10.06497

R^2 : 0.99063

Parameters:

a = 111.35648

b = 810.29060

c = 58.04927

d = 0.87552

Bead 3158 (Rejected)

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

Coordinates : 144 um (x), 14.7 um (y), 56.8 um (z)

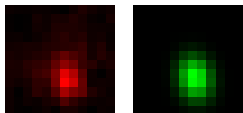
Corresponding bead : Not found

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

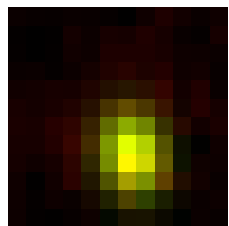
FWHM	Non corrected	Corrected	Theoretical
min	606 nm	632 nm	270 nm
max	808 nm	842 nm	270 nm
z	2.32 um	2.33 um	1.3 um
Asymmetry	0.751		
Theta	-79.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.934$



Parameters:

A = 247.222 (brightness)

B = 127.613 (background)

a = 0.360 px

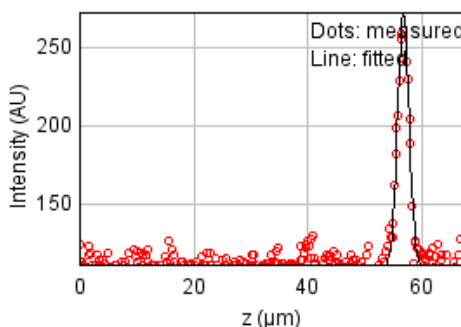
b = -0.028 px

c = 0.210 px

xc = 6.255 px

yc = 7.466 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16253.6143

Standard deviation: 7.27622

R^2 : 0.92347

Parameters:

a = 111.24271

b = 272.69189

c = 56.80086

d = 0.98463

Bead 3159

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

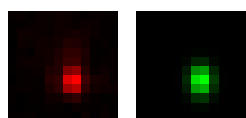
Coordinates : 111 μm (x), 14.0 μm (y), 58.4 μm (z)

Corresponding bead : Not found

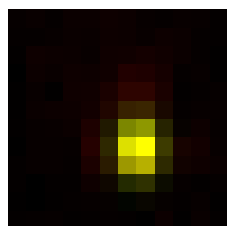
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	548 nm	571 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.749		
Theta	-88.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 672.701$ (brightness)

$B = 129.089$ (background)

$a = 0.796$ px

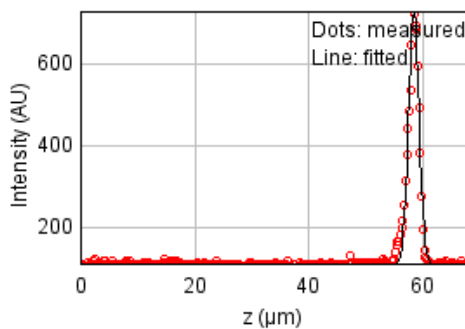
$b = -0.007$ px

$c = 0.447$ px

$x_c = 6.582$ px

$y_c = 7.075$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 48047.3124

Standard deviation: 12.51023

$R^2: 0.98250$

Parameters:

$a = 112.35374$

$b = 728.89431$

$c = 58.44992$

$d = 0.92560$

Bead 3160

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

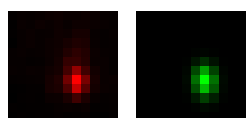
Coordinates : 127 μm (x), -1.45 μm (y), 58.6 μm (z)

Corresponding bead : Not found

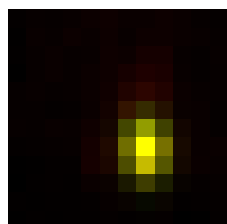
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	580 nm	604 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.691		
Theta	-87.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 818.839 (brightness)

B = 130.972 (background)

a = 0.834 px

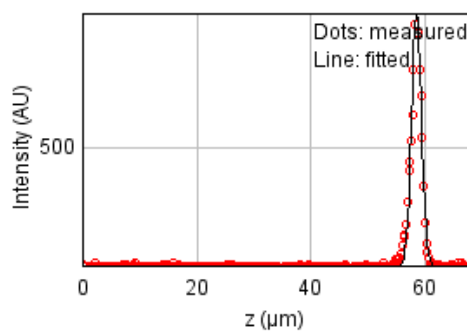
b = -0.023 px

c = 0.400 px

$x_c = 7.006$ px

$y_c = 7.111$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 63150.2793

Standard deviation: 14.34229

R^2 : 0.98649

Parameters:

a = 111.76373

b = 940.02528

c = 58.58158

d = 0.87419

Bead 3161 (Rejected)

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

Coordinates : -90.4 μm (x), -2.87 μm (y), 54.8 μm (z)

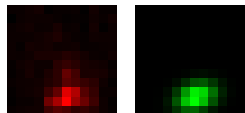
Corresponding bead : Not found

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

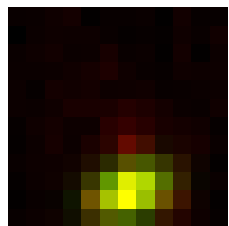
FWHM	Non corrected	Corrected	Theoretical
min	499 nm	520 nm	270 nm
max	735 nm	766 nm	270 nm
z	3.07 μm	3.08 μm	1.3 μm
Asymmetry	0.679		
Theta	19.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.894$



Parameters:

A = 266.891 (brightness)

B = 120.525 (background)

a = 0.280 px

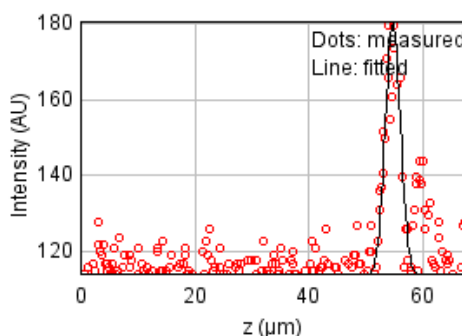
b = 0.091 px

c = 0.508 px

xc = 6.138 px

yc = 9.542 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19464.8360

Standard deviation: 7.96262

R^2 : 0.69003

Parameters:

a = 113.95060

b = 180.49730

c = 54.79396

d = 1.30334

Bead 3162

Date : Mon Oct 17 13:54:03 PDT 2022

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

Frame size : 12 pixels

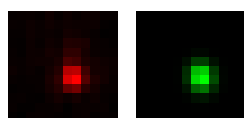
Coordinates : -147 μm (x), -17.9 μm (y), 58.3 μm (z)

Corresponding bead : Not found

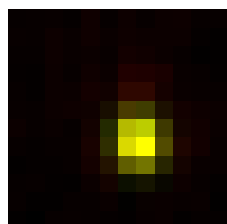
FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	522 nm	544 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.84		
Theta	-81.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 631.456 (brightness)

B = 123.694 (background)

a = 0.693 px

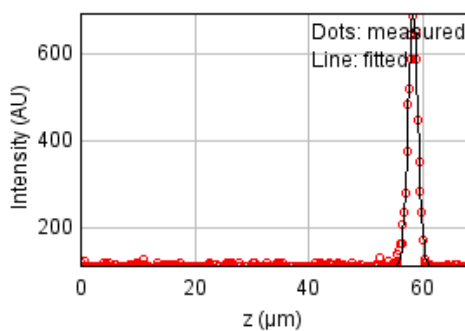
b = -0.031 px

c = 0.497 px

xc = 6.602 px

yc = 6.695 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21447.5393

Standard deviation: 8.35833

R^2 : 0.99054

Parameters:

a = 111.67297

b = 690.62373

c = 58.31196

d = 0.87134

Bead 3163

Date : Mon Oct 17 13:54:04 PDT 2022

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

Frame size : 12 pixels

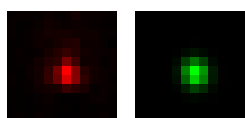
Coordinates : 134 μm (x), -47.0 μm (y), 58.0 μm (z)

Corresponding bead : Not found

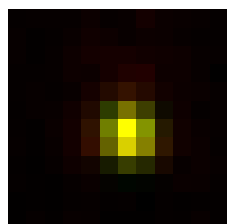
FWHM	Non corrected	Corrected	Theoretical
min	462 nm	482 nm	270 nm
max	517 nm	538 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.895		
Theta	-76.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 608.587 (brightness)

B = 119.650 (background)

a = 0.620 px

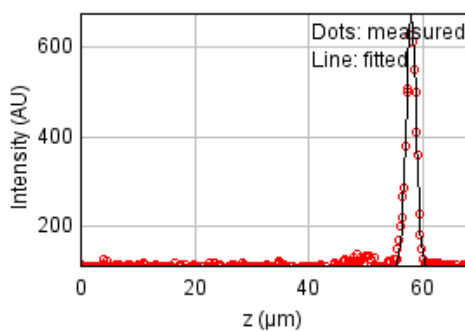
b = -0.029 px

c = 0.510 px

$x_c = 6.076$ px

$y_c = 6.303$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 34344.1435

Standard deviation: 10.57687

R^2 : 0.98383

Parameters:

a = 112.99243

b = 675.93508

c = 57.98150

d = 0.85692

Bead 3164

Date : Mon Oct 17 13:54:04 PDT 2022

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

Frame size : 12 pixels

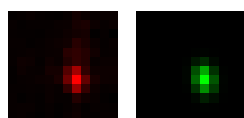
Coordinates : 112 μm (x), -48.3 μm (y), 57.5 μm (z)

Corresponding bead : Not found

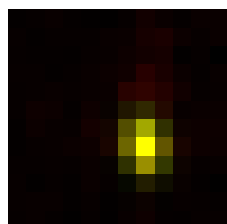
FWHM	Non corrected	Corrected	Theoretical
min	363 nm	378 nm	270 nm
max	524 nm	545 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.693		
Theta	-81.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 469.573 (brightness)

B = 120.573 (background)

a = 1.007 px

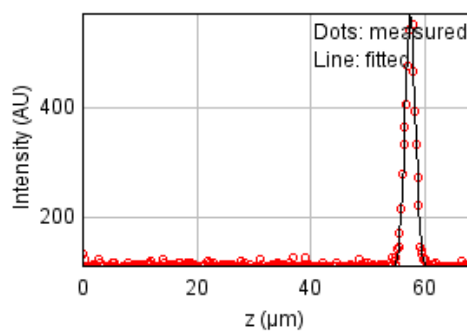
b = -0.079 px

c = 0.502 px

xc = 6.949 px

yc = 6.913 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18459.3137

Standard deviation: 7.75423

R^2 : 0.98741

Parameters:

a = 111.95119

b = 573.47942

c = 57.46596

d = 0.88428

Bead 3165

Date : Mon Oct 17 13:54:04 PDT 2022

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

Frame size : 12 pixels

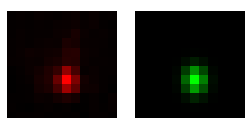
Coordinates : 98.4 μm (x), -70.1 μm (y), 58.3 μm (z)

Corresponding bead : Not found

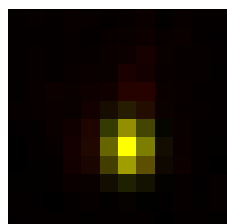
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	503 nm	524 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.806		
Theta	-87.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 792.064 (brightness)

B = 125.824 (background)

a = 0.816 px

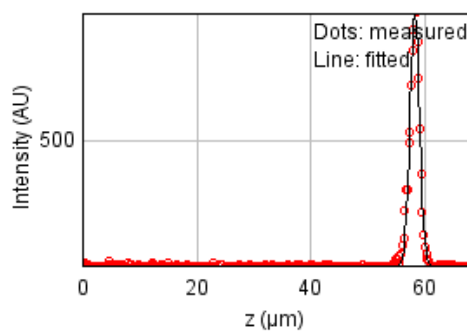
b = -0.012 px

c = 0.531 px

xc = 6.068 px

yc = 7.042 px

Z profile & fitting parameters:



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

Sum of residuals squared: 43867.3895

Standard deviation: 11.95368

R^2 : 0.98910

Parameters:

a = 112.31615

b = 892.59246

c = 58.25908

d = 0.84942

Bead 3166

Date : Mon Oct 17 13:54:04 PDT 2022

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

Frame size : 12 pixels

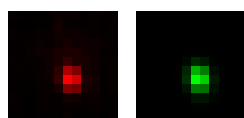
Coordinates : -78.0 μm (x), 95.4 μm (y), 58.1 μm (z)

Corresponding bead : Not found

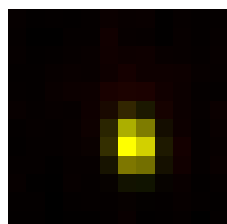
FWHM	Non corrected	Corrected	Theoretical
min	374 nm	389 nm	270 nm
max	490 nm	511 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.763		
Theta	-80.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 975.943$ (brightness)

$B = 121.719$ (background)

$a = 0.948$ px

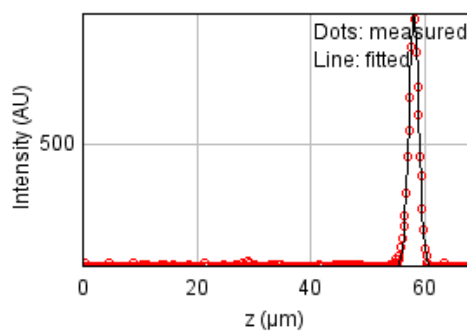
$b = -0.068$ px

$c = 0.571$ px

$x_c = 6.382$ px

$y_c = 6.877$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26211.7638

Standard deviation: 9.24015

$R^2: 0.99391$

Parameters:

$a = 113.54020$

$b = 915.06665$

$c = 58.09878$

$d = 0.86610$

Bead 3167

Date : Mon Oct 17 13:54:04 PDT 2022

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

Frame size : 12 pixels

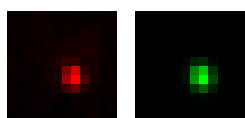
Coordinates : 1.27 μm (x), 88.0 μm (y), 57.8 μm (z)

Corresponding bead : Not found

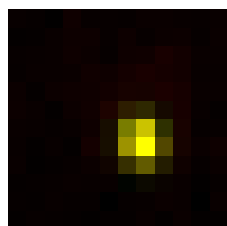
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	457 nm	476 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.832		
Theta	-78.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 622.749$ (brightness)

$B = 122.081$ (background)

$a = 0.918$ px

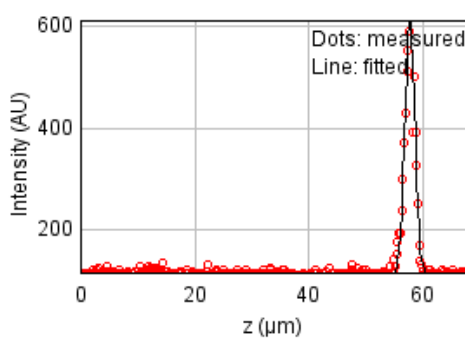
$b = -0.054$ px

$c = 0.653$ px

$x_c = 6.782$ px

$y_c = 6.690$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 45715.9454

Standard deviation: 12.20295

$R^2: 0.97356$

Parameters:

$a = 113.78531$

$b = 615.19914$

$c = 57.76077$

$d = 0.87067$

Bead 3168

Date : Mon Oct 17 13:54:04 PDT 2022

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

Frame size : 12 pixels

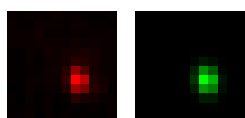
Coordinates : -91.4 μm (x), 87.9 μm (y), 58.3 μm (z)

Corresponding bead : Not found

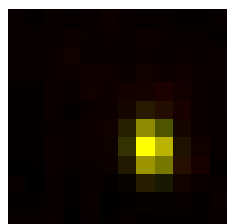
FWHM	Non corrected	Corrected	Theoretical
min	367 nm	382 nm	270 nm
max	488 nm	509 nm	270 nm
z	1.88 μm	1.88 μm	1.3 μm
Asymmetry	0.751		
Theta	-80.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 824.788 (brightness)

B = 123.484 (background)

a = 0.987 px

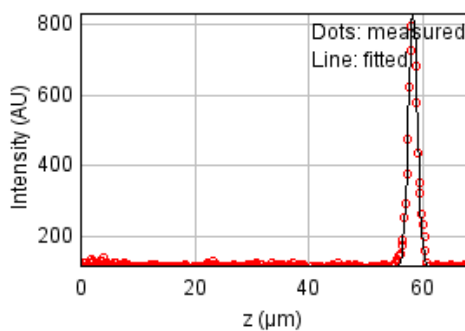
b = -0.070 px

c = 0.574 px

xc = 7.323 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: 44148.2668

Standard deviation: 11.99189

R^2 : 0.98615

Parameters:

a = 114.82574

b = 829.68079

c = 58.28805

d = 0.79666

Bead 3169

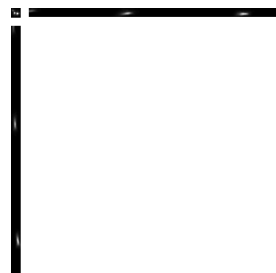
Date : Mon Oct 17 13:54:04 PDT 2022

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

Frame size : 12 pixels

Coordinates : -62.0 μm (x), 87.7 μm (y), 26.5 μm (z)

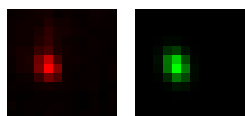
Corresponding bead : Not found



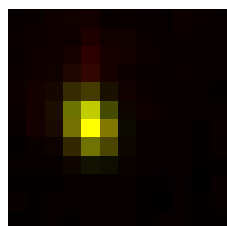
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	538 nm	560 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.742		
Theta	-69.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 665.147 (brightness)

B = 124.633 (background)

a = 0.794 px

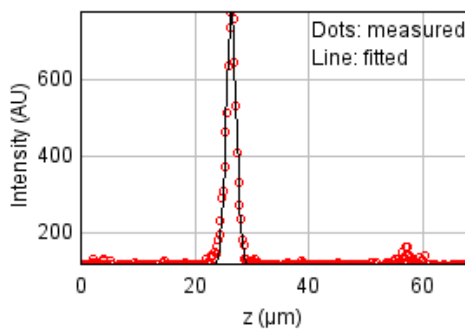
b = -0.126 px

c = 0.512 px

xc = 3.973 px

yc = 5.715 px

Z profile & fitting parameters:



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

Sum of residuals squared: 51217.7734

Standard deviation: 12.91639

R^2 : 0.98313

Parameters:

a = 115.92750

b = 782.57134

c = 26.47898

d = 0.87358

Bead 3170

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

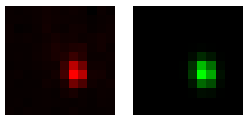
Coordinates : -46.6 μm (x), 84.0 μm (y), 58.1 μm (z)

Corresponding bead : Not found

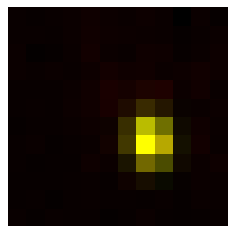
FWHM	Non corrected	Corrected	Theoretical
min	371 nm	386 nm	270 nm
max	475 nm	495 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.781		
Theta	-81.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 904.199 (brightness)

B = 120.503 (background)

a = 0.967 px

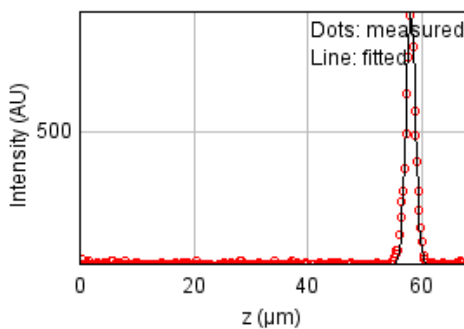
b = -0.053 px

c = 0.603 px

$x_c = 7.271$ px

$y_c = 6.778$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 48038.7757

Standard deviation: 12.50912

$R^2 = 0.98659$

Parameters:

a = 113.06862

b = 854.83564

c = 58.07434

d = 0.83368

Bead 3171

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

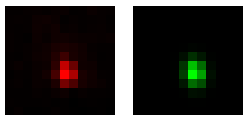
Coordinates : -54.9 μm (x), 82.7 μm (y), 58.2 μm (z)

Corresponding bead : Not found

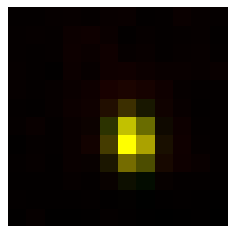
FWHM	Non corrected	Corrected	Theoretical
min	373 nm	389 nm	270 nm
max	490 nm	510 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.762		
Theta	-81.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 929.160 (brightness)

B = 127.603 (background)

a = 0.954 px

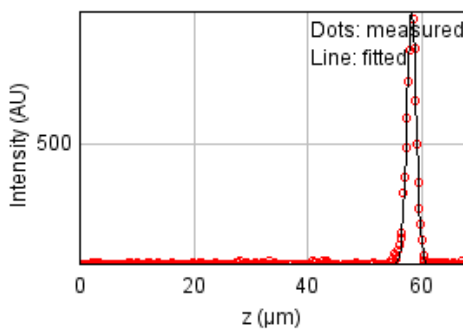
b = -0.062 px

c = 0.569 px

xc = 6.246 px

yc = 6.771 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33688.3096

Standard deviation: 10.47540

R^2 : 0.99219

Parameters:

a = 113.80798

b = 934.06431

c = 58.22273

d = 0.82477

Bead 3172

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

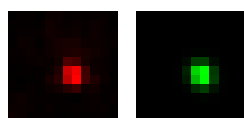
Coordinates : -66.7 μm (x), 75.5 μm (y), 58.6 μm (z)

Corresponding bead : Not found

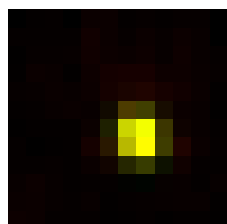
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	442 nm	461 nm	270 nm
z	1.74 μm	1.75 μm	1.3 μm
Asymmetry	0.879		
Theta	-69.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1059.750$ (brightness)

$B = 129.779$ (background)

$a = 0.863$ px

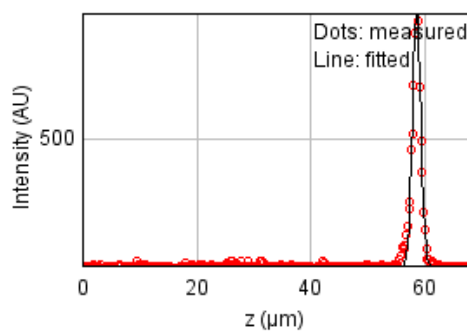
$b = -0.066$ px

$c = 0.711$ px

$x_c = 6.640$ px

$y_c = 6.456$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 53735.3560

Standard deviation: 13.23003

$R^2 = 0.98458$

Parameters:

$a = 114.72305$

$b = 888.89583$

$c = 58.60031$

$d = 0.73897$

Bead 3173

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

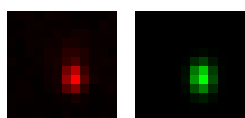
Coordinates : -923 nm (x), 69.2 um (y), 58.1 um (z)

Corresponding bead : Not found

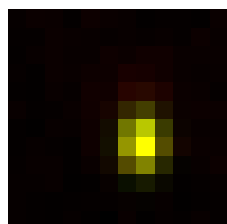
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	541 nm	564 nm	270 nm
z	1.97 um	1.97 um	1.3 um
Asymmetry	0.725		
Theta	-89.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 668.063 (brightness)

B = 123.573 (background)

a = 0.870 px

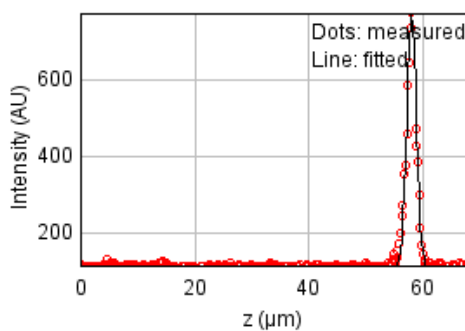
b = -0.006 px

c = 0.458 px

xc = 6.805 px

yc = 6.764 px

Z profile & fitting parameters:



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

Sum of residuals squared: 63481.2679

Standard deviation: 14.37983

R^2 : 0.97763

Parameters:

a = 114.25377

b = 770.89358

c = 58.05460

d = 0.83523

Bead 3174

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

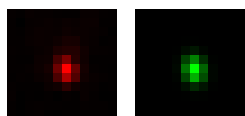
Coordinates : 1.53 μm (x), 62.1 μm (y), 58.2 μm (z)

Corresponding bead : Not found

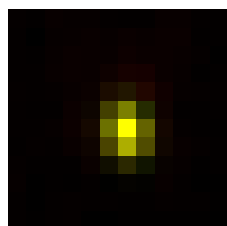
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	504 nm	525 nm	270 nm
z	1.83 μm	1.84 μm	1.3 μm
Asymmetry	0.768		
Theta	-79.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 958.449 (brightness)

B = 127.508 (background)

a = 0.884 px

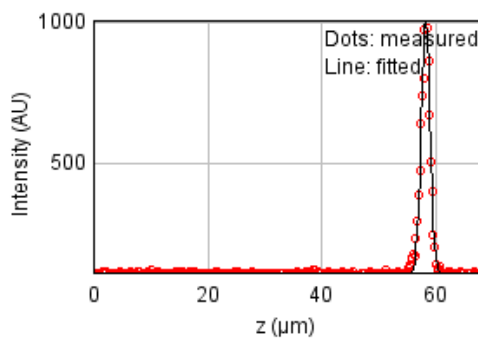
b = -0.064 px

c = 0.539 px

xc = 5.972 px

yc = 6.139 px

Z profile & fitting parameters:



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

Sum of residuals squared: 48266.1680

Standard deviation: 12.53869

R^2 : 0.99011

Parameters:

a = 114.71124

b = 1011.56623

c = 58.23591

d = 0.77701

Bead 3175 (Rejected)

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

Coordinates : -16.0 μm (x), 60.6 μm (y), 58.1 μm (z)

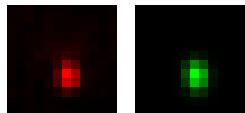
Corresponding bead : Not found

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

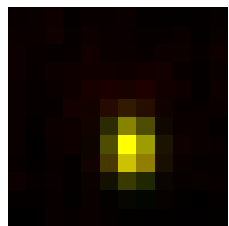
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	533 nm	556 nm	270 nm
z	5.39 μm	5.41 μm	1.3 μm
Asymmetry	0.748		
Theta	-86.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 846.182 (brightness)

B = 135.436 (background)

a = 0.841 px

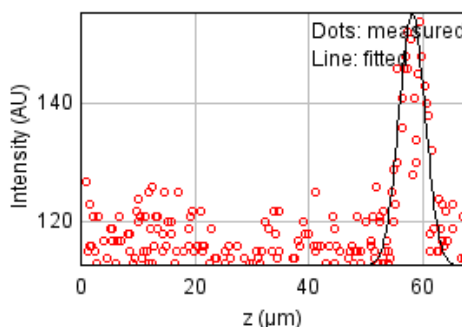
b = -0.026 px

c = 0.473 px

xc = 6.218 px

yc = 7.222 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15718.9699

Standard deviation: 7.15555

R^2 : 0.65185

Parameters:

a = 112.62104

b = 155.19327

c = 58.14343

d = 2.28991

Bead 3176

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

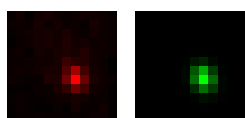
Coordinates : 66.7 μm (x), 59.1 μm (y), 58.0 μm (z)

Corresponding bead : Not found

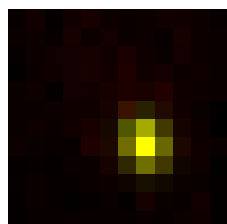
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	476 nm	496 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.809		
Theta	-71.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 460.526 (brightness)

B = 124.687 (background)

a = 0.874 px

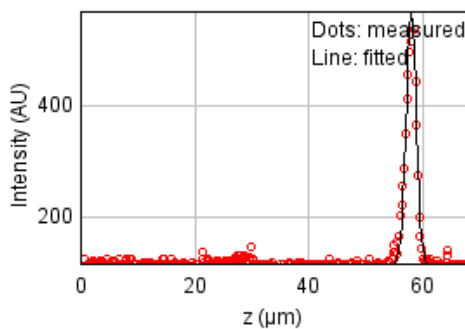
b = -0.092 px

c = 0.622 px

$x_c = 6.969$ px

$y_c = 6.824$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 36516.0010

Standard deviation: 10.90617

R^2 : 0.97485

Parameters:

a = 115.48012

b = 572.40765

c = 57.99226

d = 0.88206

Bead 3177

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

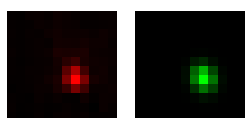
Coordinates : -13.4 μm (x), 53.2 μm (y), 58.4 μm (z)

Corresponding bead : Not found

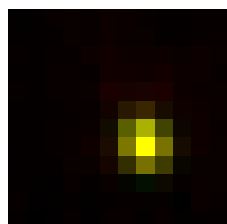
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	488 nm	508 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.835		
Theta	-71.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 984.694$ (brightness)

$B = 130.175$ (background)

$a = 0.784$ px

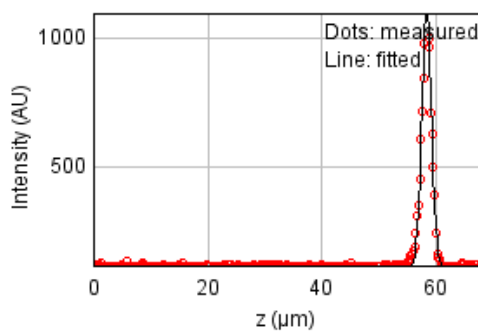
$b = -0.075$ px

$c = 0.590$ px

$x_c = 6.968$ px

$y_c = 6.806$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 57002.5239

Standard deviation: 13.62630

$R^2: 0.99111$

Parameters:

$a = 114.88864$

$b = 1097.91304$

$c = 58.42615$

$d = 0.85420$

Bead 3178

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

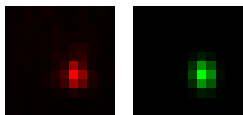
Coordinates : 51.5 um (x), 53.1 um (y), 58.2 um (z)

Corresponding bead : Not found

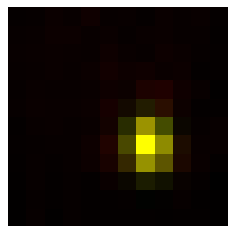
FWHM	Non corrected	Corrected	Theoretical
min	377 nm	393 nm	270 nm
max	493 nm	513 nm	270 nm
z	1.89 um	1.9 um	1.3 um
Asymmetry	0.766		
Theta	-85.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 812.370 (brightness)

B = 126.915 (background)

a = 0.939 px

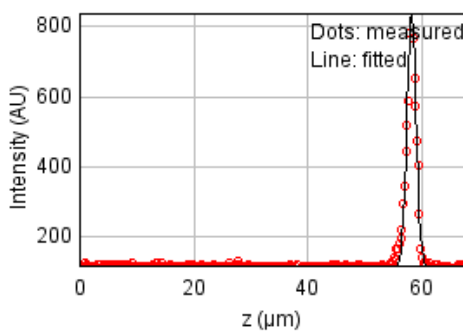
b = -0.030 px

c = 0.555 px

xc = 7.176 px

yc = 7.006 px

Z profile & fitting parameters:



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

Sum of residuals squared: 45656.6695

Standard deviation: 12.19503

R^2 : 0.98625

Parameters:

a = 114.27750

b = 840.86547

c = 58.21477

d = 0.80395

Bead 3179

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

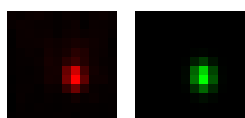
Coordinates : 32.8 μm (x), 52.5 μm (y), 58.3 μm (z)

Corresponding bead : Not found

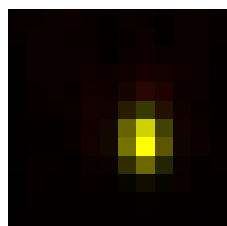
FWHM	Non corrected	Corrected	Theoretical
min	376 nm	392 nm	270 nm
max	493 nm	513 nm	270 nm
z	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.763		
Theta	-86.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 959.617 (brightness)

B = 129.580 (background)

a = 0.947 px

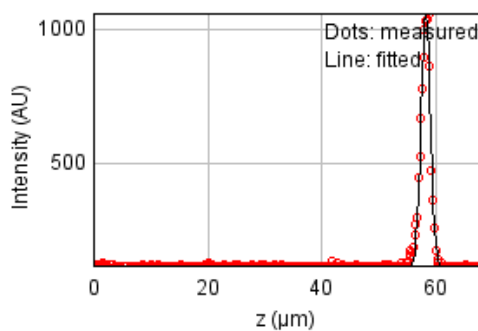
b = -0.026 px

c = 0.554 px

xc = 6.911 px

yc = 6.671 px

Z profile & fitting parameters:



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

Sum of residuals squared: 102248.710

Standard deviation: 18.24987

R^2 : 0.98227

Parameters:

a = 114.36680

b = 1061.64877

c = 58.25706

d = 0.81849

Bead 3180

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

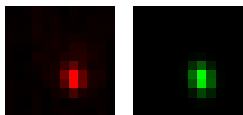
Coordinates : 3.3 μm (x), 48.9 μm (y), 58.5 μm (z)

Corresponding bead : Not found

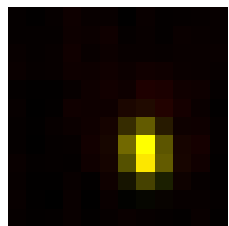
FWHM	Non corrected	Corrected	Theoretical
min	366 nm	381 nm	270 nm
max	491 nm	512 nm	270 nm
z	1.88 μm	1.89 μm	1.3 μm
Asymmetry	0.744		
Theta	-79.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 685.177 (brightness)

B = 124.303 (background)

a = 0.990 px

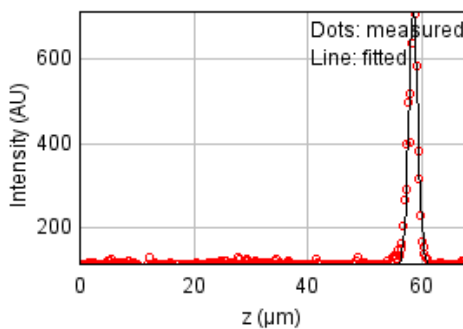
b = -0.080 px

c = 0.571 px

xc = 6.980 px

yc = 7.407 px

Z profile & fitting parameters:



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

Sum of residuals squared: 86303.6969

Standard deviation: 16.76662

R^2 : 0.96237

Parameters:

a = 113.93810

b = 711.98079

c = 58.54284

d = 0.79940

Bead 3181

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

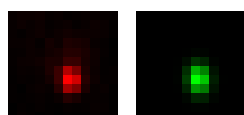
Coordinates : 21.4 μm (x), 45.7 μm (y), 58.4 μm (z)

Corresponding bead : Not found

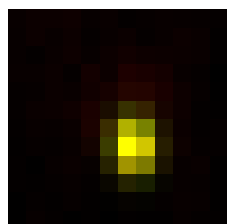
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	544 nm	566 nm	270 nm
z	2.11 μm	2.11 μm	1.3 μm
Asymmetry	0.734		
Theta	-85.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 799.718$ (brightness)

$B = 126.850$ (background)

$a = 0.840$ px

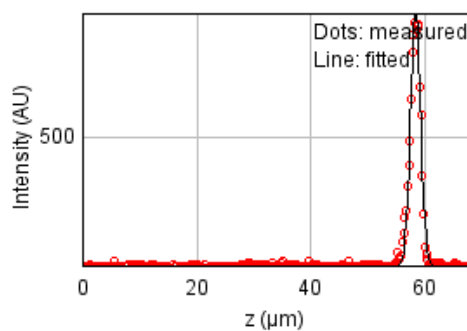
$b = -0.028$ px

$c = 0.456$ px

$x_c = 6.347$ 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: 53757.4421

Standard deviation: 13.23275

$R^2 = 0.98656$

Parameters:

$a = 114.25190$

$b = 872.40380$

$c = 58.40541$

$d = 0.89410$

Bead 3182 (Rejected)

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

Coordinates : 11.9 μm (x), 45.0 μm (y), 33.8 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	3.92 μm	3.94 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

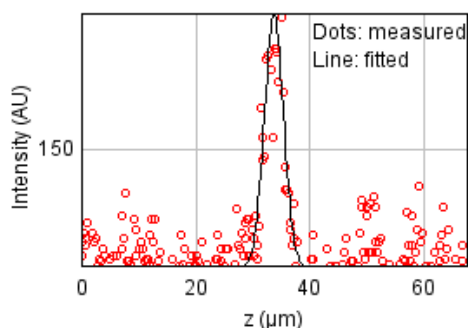
XY profile & fitting parameters :

(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: 23887.1043

Standard deviation: 8.82089

R²: 0.75421

Parameters:

a = 114.40129

b = 191.78152

c = 33.78340

d = 1.66438

Bead 3183 (Rejected)

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

Coordinates : 14.9 μm (x), 43.2 μm (y), 58.6 μm (z)

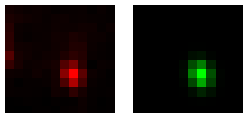
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

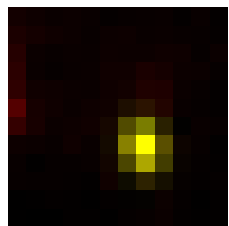
FWHM	Non corrected	Corrected	Theoretical
min	376 nm	391 nm	270 nm
max	493 nm	513 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.763		
Theta	-77.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.891$



Parameters:

A = 717.334 (brightness)

B = 135.771 (background)

a = 0.930 px

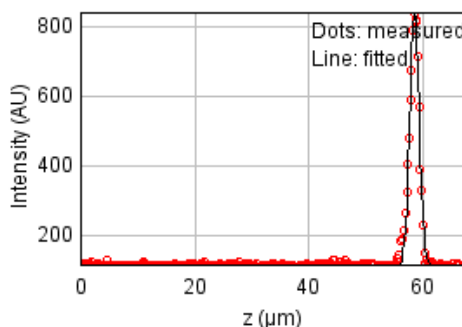
b = -0.087 px

c = 0.573 px

xc = 6.878 px

yc = 7.108 px

Z profile & fitting parameters:



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

Sum of residuals squared: 40973.7785

Standard deviation: 11.55271

R^2 : 0.98792

Parameters:

a = 115.19866

b = 839.54035

c = 58.57309

d = 0.82865

Bead 3184

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

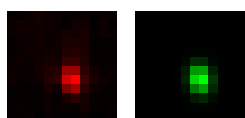
Coordinates : 89.7 μm (x), 42.6 μm (y), 58.2 μm (z)

Corresponding bead : Not found

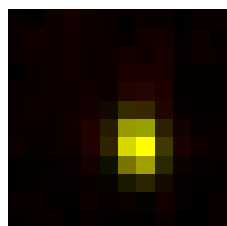
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	415 nm	270 nm
max	540 nm	562 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.739		
Theta	-80.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 459.420 (brightness)

B = 123.589 (background)

a = 0.833 px

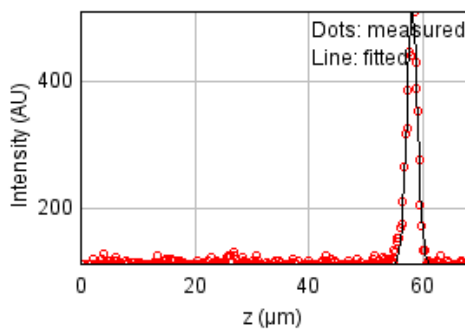
b = -0.064 px

c = 0.472 px

xc = 6.600 px

yc = 6.933 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24745.7835

Standard deviation: 8.97804

R^2 : 0.97893

Parameters:

a = 113.17058

b = 512.16371

c = 58.15119

d = 0.94312

Bead 3185 (Rejected)

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

Coordinates : 84.7 μm (x), 40.8 μm (y), 58.1 μm (z)

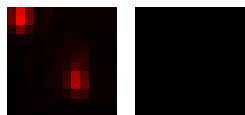
Corresponding bead : Not found

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

FWHM	Non corrected	Corrected	Theoretical
min	1.17 μm	1.22 μm	270 nm
max	3.53 μm	3.67 μm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.332		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.102$



Parameters:

A = -73.649 (brightness)

B = 212.344 (background)

a = 0.042 px

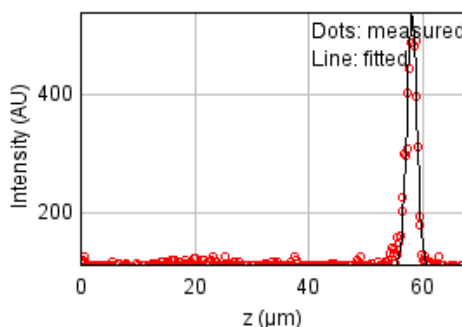
b = 0.054 px

c = 0.045 px

xc = 5.165 px

yc = 3.919 px

Z profile & fitting parameters:



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

Sum of residuals squared: 37545.6440

Standard deviation: 11.05887

R^2 : 0.96942

Parameters:

a = 113.86741

b = 535.30278

c = 58.10706

d = 0.87153

Bead 3186

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

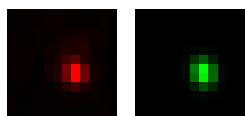
Coordinates : 6.59 μm (x), 40.1 μm (y), 58.7 μm (z)

Corresponding bead : Not found

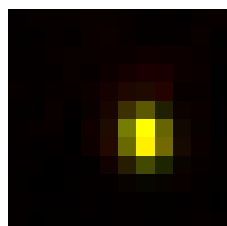
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	492 nm	513 nm	270 nm
z	1.9 μm	1.9 μm	1.3 μm
Asymmetry	0.814		
Theta	-78.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 1052.958 (brightness)

B = 129.986 (background)

a = 0.823 px

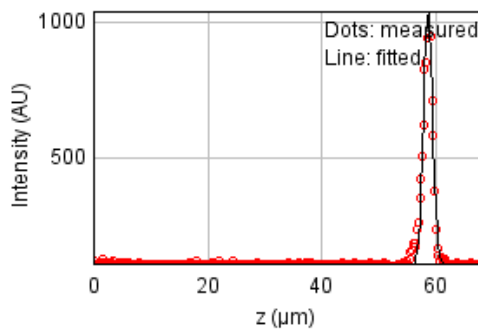
b = -0.056 px

c = 0.566 px

xc = 6.965 px

yc = 6.440 px

Z profile & fitting parameters:



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

Sum of residuals squared: 96986.0127

Standard deviation: 17.77401

R^2 : 0.98213

Parameters:

a = 114.19782

b = 1040.36072

c = 58.67310

d = 0.80503

Bead 3187

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

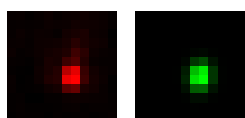
Coordinates : 60.0 μm (x), 38.5 μm (y), 58.4 μm (z)

Corresponding bead : Not found

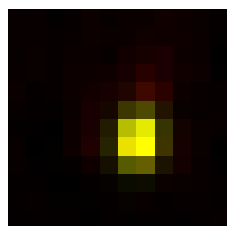
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	502 nm	523 nm	270 nm
z	2.09 μm	2.09 μm	1.3 μm
Asymmetry	0.784		
Theta	82.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 862.736 (brightness)

B = 129.001 (background)

a = 0.860 px

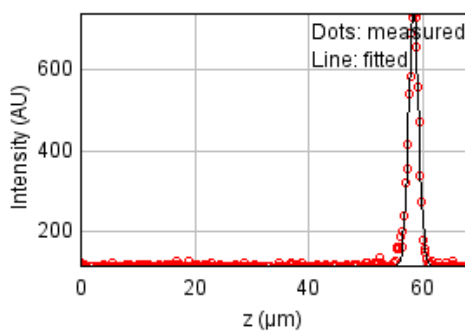
b = 0.042 px

c = 0.537 px

xc = 6.595 px

yc = 6.611 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28782.2013

Standard deviation: 9.68262

R^2 : 0.98946

Parameters:

a = 113.28888

b = 743.37594

c = 58.41983

d = 0.88591

Bead 3188

Date : Mon Oct 17 13:54:05 PDT 2022

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

Frame size : 12 pixels

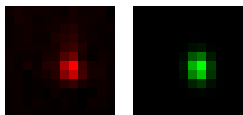
Coordinates : 116 um (x), 37.0 um (y), 58.1 um (z)

Corresponding bead : Not found

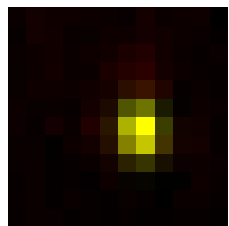
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	507 nm	528 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.767		
Theta	-85.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 464.734 (brightness)

B = 122.787 (background)

a = 0.885 px

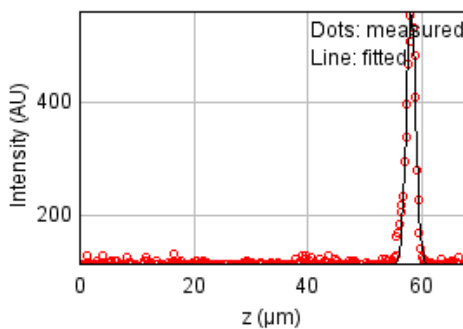
b = -0.030 px

c = 0.525 px

xc = 6.714 px

yc = 6.240 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30620.8538

Standard deviation: 9.98710

R^2 : 0.97657

Parameters:

a = 113.47669

b = 559.42525

c = 58.12765

d = 0.83274

Bead 3189

Date : Mon Oct 17 13:54:06 PDT 2022

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

Frame size : 12 pixels

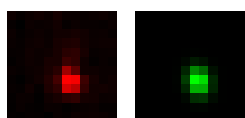
Coordinates : 97.6 μm (x), 36.4 μm (y), 58.3 μm (z)

Corresponding bead : Not found

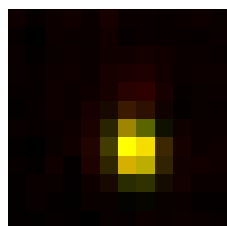
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	521 nm	542 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.782		
Theta	-77.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 530.700 (brightness)

B = 125.851 (background)

a = 0.793 px

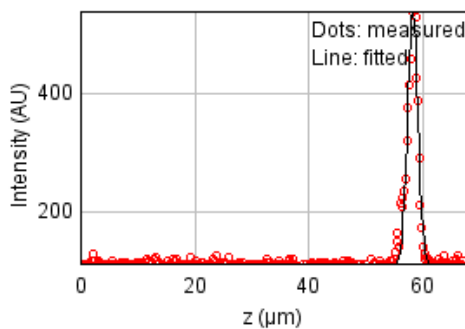
b = -0.068 px

c = 0.510 px

$x_c = 6.424$ px

$y_c = 7.192$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 37303.6243

Standard deviation: 11.02317

R^2 : 0.97140

Parameters:

a = 112.79930

b = 538.31278

c = 58.25444

d = 0.91226

Bead 3190

Date : Mon Oct 17 13:54:06 PDT 2022

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

Frame size : 12 pixels

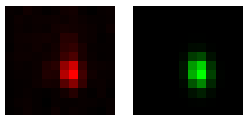
Coordinates : 97.8 μm (x), 33.0 μm (y), 58.1 μm (z)

Corresponding bead : Not found

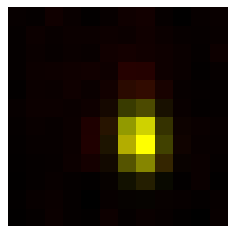
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	566 nm	589 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.69		
Theta	-85.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 698.841 (brightness)

B = 126.878 (background)

a = 0.878 px

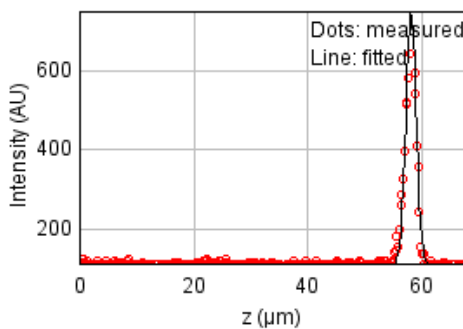
b = -0.038 px

c = 0.422 px

xc = 6.709 px

yc = 6.705 px

Z profile & fitting parameters:



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

Sum of residuals squared: 60071.0229

Standard deviation: 13.98825

R^2 : 0.97904

Parameters:

a = 113.07640

b = 748.71320

c = 58.13196

d = 0.90503

Bead 3191

Date : Mon Oct 17 13:54:06 PDT 2022

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

Frame size : 12 pixels

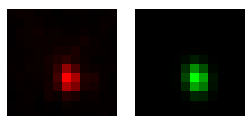
Coordinates : -28.1 μm (x), 32.9 μm (y), 58.2 μm (z)

Corresponding bead : Not found

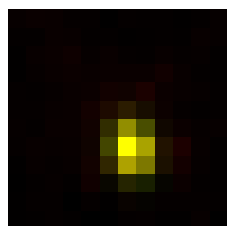
FWHM	Non corrected	Corrected	Theoretical
min	388 nm	405 nm	270 nm
max	515 nm	537 nm	270 nm
z	1.91 μm	1.91 μm	1.3 μm
Asymmetry	0.754		
Theta	-78.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 869.880 (brightness)

B = 127.775 (background)

a = 0.874 px

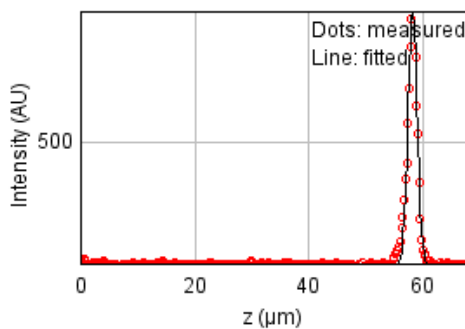
b = -0.076 px

c = 0.521 px

xc = 6.251 px

yc = 7.100 px

Z profile & fitting parameters:



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

Sum of residuals squared: 51160.6568

Standard deviation: 12.90919

R^2 : 0.98736

Parameters:

a = 113.52119

b = 913.25535

c = 58.23348

d = 0.80975

Bead 3192 (Rejected)

Date : Mon Oct 17 13:54:06 PDT 2022

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

Frame size : 12 pixels

Coordinates : 137 μm (x), 32.0 μm (y), 54.4 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	3.99 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

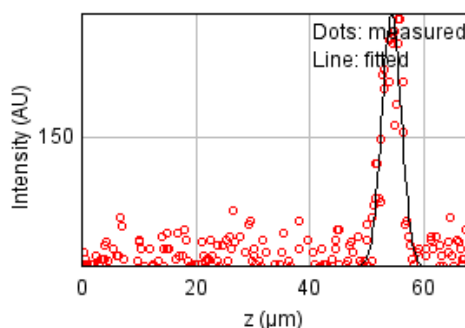
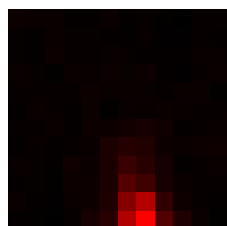
XY profile & fitting parameters :

(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: 17626.1788

Standard deviation: 7.57722

R²: 0.81814

Parameters:

a = 109.24973

b = 189.22236

c = 54.39624

d = 1.68800

Bead 3193

Date : Mon Oct 17 13:54:06 PDT 2022

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

Frame size : 12 pixels

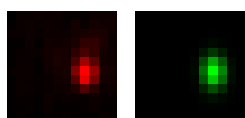
Coordinates : 48.9 μm (x), 31.8 μm (y), 58.3 μm (z)

Corresponding bead : Not found

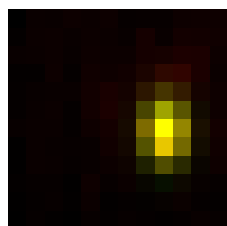
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	438 nm	270 nm
max	621 nm	647 nm	270 nm
z	3.01 μm	3.02 μm	1.3 μm
Asymmetry	0.677		
Theta	-89.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 657.557$ (brightness)

$B = 126.015$ (background)

$a = 0.759$ px

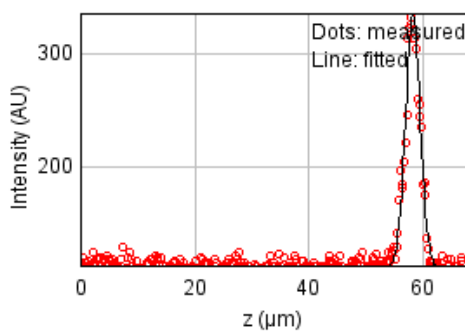
$b = -0.004$ px

$c = 0.348$ px

$x_c = 8.076$ px

$y_c = 6.142$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20076.2578

Standard deviation: 8.08672

$R^2: 0.95951$

Parameters:

$a = 112.68944$

$b = 335.19368$

$c = 58.28529$

$d = 1.27828$

Bead 3194

Date : Mon Oct 17 13:54:07 PDT 2022

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

Frame size : 12 pixels

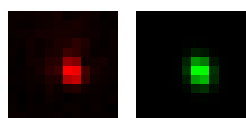
Coordinates : 95.1 μm (x), 30.9 μm (y), 58.3 μm (z)

Corresponding bead : Not found

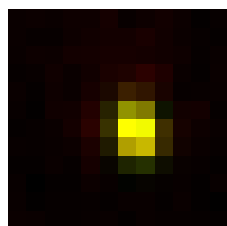
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	523 nm	545 nm	270 nm
z	2.2 μm	2.21 μm	1.3 μm
Asymmetry	0.763		
Theta	-76.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 570.818$ (brightness)

$B = 125.505$ (background)

$a = 0.822$ px

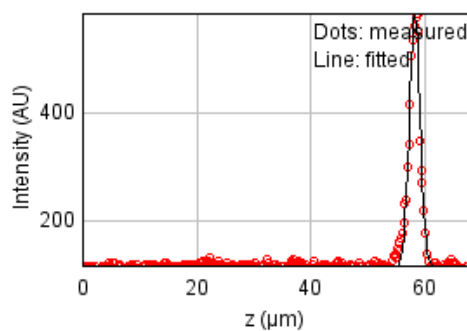
$b = -0.082$ px

$c = 0.511$ px

$x_c = 6.499$ px

$y_c = 6.118$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38345.1660

Standard deviation: 11.17599

$R^2: 0.97678$

Parameters:

$a = 113.66537$

$b = 587.93296$

$c = 58.25613$

$d = 0.93604$

Bead 3195

Date : Mon Oct 17 13:54:07 PDT 2022

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

Frame size : 12 pixels

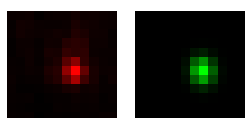
Coordinates : 71.0 μm (x), 29.6 μm (y), 58.4 μm (z)

Corresponding bead : Not found

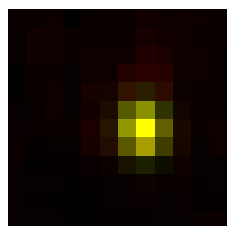
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	505 nm	526 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.829		
Theta	-83.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 617.275 (brightness)

B = 126.145 (background)

a = 0.762 px

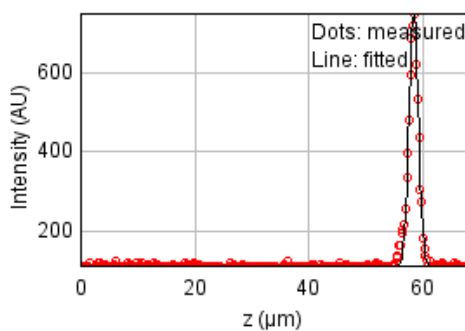
b = -0.026 px

c = 0.529 px

xc = 6.847 px

yc = 6.030 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33187.4412

Standard deviation: 10.39723

R^2 : 0.98735

Parameters:

a = 113.76545

b = 749.27436

c = 58.43747

d = 0.83253

Bead 3196

Date : Mon Oct 17 13:54:07 PDT 2022

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

Frame size : 12 pixels

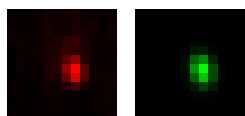
Coordinates : 110 μm (x), 29.8 μm (y), 58.2 μm (z)

Corresponding bead : Not found

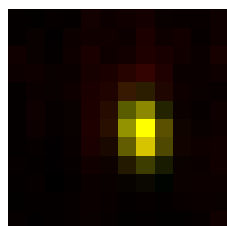
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	560 nm	583 nm	270 nm
z	2.1 μm	2.1 μm	1.3 μm
Asymmetry	0.695		
Theta	-78.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 415.222$ (brightness)

$B = 118.903$ (background)

$a = 0.869$ px

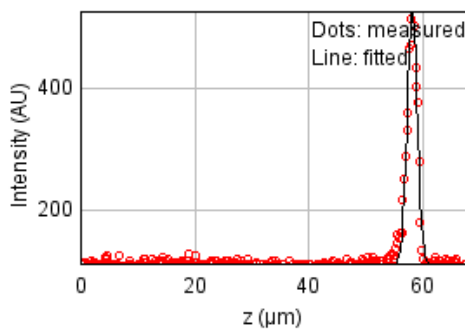
$b = -0.090$ px

$c = 0.447$ px

$x_c = 6.841$ px

$y_c = 6.170$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 30573.2571

Standard deviation: 9.97934

$R^2: 0.97465$

Parameters:

$a = 112.05302$

$b = 526.68493$

$c = 58.16786$

$d = 0.89024$

Bead 3197 (Rejected)

Date : Mon Oct 17 13:54:07 PDT 2022

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

Frame size : 12 pixels

Coordinates : 38.8 μm (x), 23.8 μm (y), 57.6 μm (z)

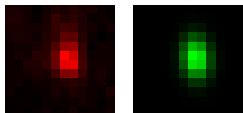
Corresponding bead : Not found

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

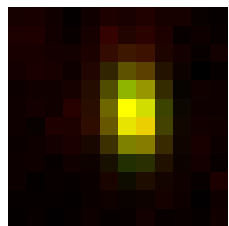
FWHM	Non corrected	Corrected	Theoretical
min	504 nm	525 nm	270 nm
max	772 nm	804 nm	270 nm
z	2.42 μm	2.43 μm	1.3 μm
Asymmetry	0.653		
Theta	-85.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 310.382 (brightness)

B = 133.037 (background)

a = 0.525 px

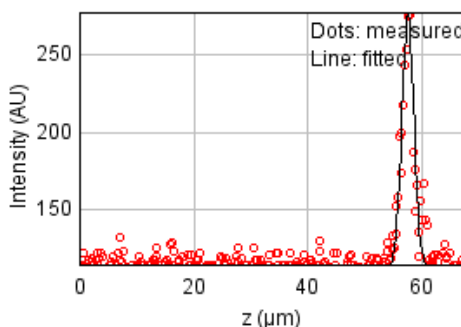
b = -0.026 px

c = 0.227 px

xc = 6.378 px

yc = 5.293 px

Z profile & fitting parameters:



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

Sum of residuals squared: 27417.5053

Standard deviation: 9.45028

R^2 : 0.88444

Parameters:

a = 113.97812

b = 277.75689

c = 57.59157

d = 1.02609

Bead 3198 (Rejected)

Date : Mon Oct 17 13:54:07 PDT 2022

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

Frame size : 12 pixels

Coordinates : 112 um (x), 21.7 um (y), 58.1 um (z)

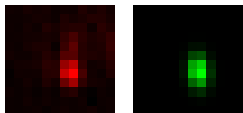
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

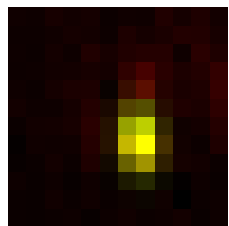
FWHM	Non corrected	Corrected	Theoretical
min	366 nm	382 nm	270 nm
max	600 nm	625 nm	270 nm
z	2.21 um	2.22 um	1.3 um
Asymmetry	0.61		
Theta	-86.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.886$



Parameters:

A = 377.736 (brightness)

B = 125.625 (background)

a = 0.997 px

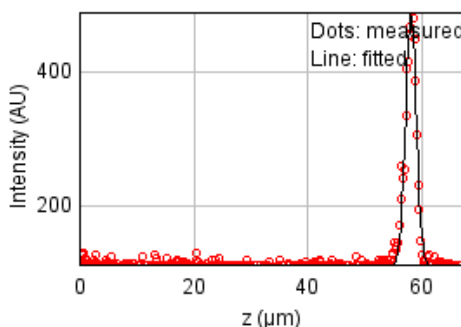
b = -0.043 px

c = 0.375 px

xc = 6.655 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: 29317.5511

Standard deviation: 9.77225

R^2 : 0.97178

Parameters:

a = 113.02095

b = 487.48218

c = 58.11430

d = 0.93977

Bead 3199

Date : Mon Oct 17 13:54:07 PDT 2022

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

Frame size : 12 pixels

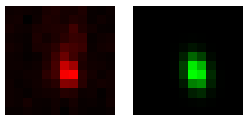
Coordinates : 145 um (x), 21.7 um (y), 57.8 um (z)

Corresponding bead : Not found

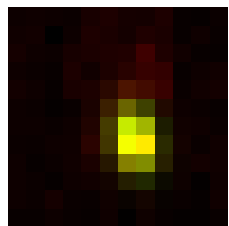
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	606 nm	631 nm	270 nm
z	1.94 um	1.95 um	1.3 um
Asymmetry	0.663		
Theta	-78.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 359.662 (brightness)

B = 118.149 (background)

a = 0.813 px

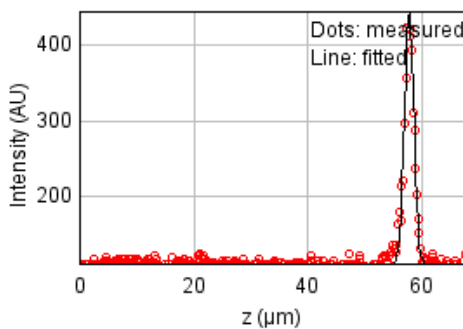
b = -0.088 px

c = 0.383 px

xc = 6.416 px

yc = 6.703 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21453.9077

Standard deviation: 8.35957

R^2 : 0.97058

Parameters:

a = 111.14433

b = 444.63284

c = 57.80260

d = 0.82547

Bead 3200 (Rejected)

Date : Mon Oct 17 13:54:08 PDT 2022

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

Frame size : 12 pixels

Coordinates : -21.3 μm (x), 21.9 μm (y), 59.2 μm (z)

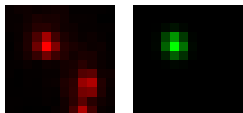
Corresponding bead : Not found

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

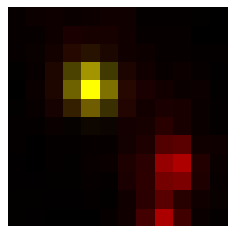
FWHM	Non corrected	Corrected	Theoretical
min	381 nm	397 nm	270 nm
max	425 nm	443 nm	270 nm
z	2.47 μm	2.48 μm	1.3 μm
Asymmetry	0.896		
Theta	-63.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.568$



Parameters:

A = 1043.161 (brightness)

B = 198.092 (background)

a = 0.889 px

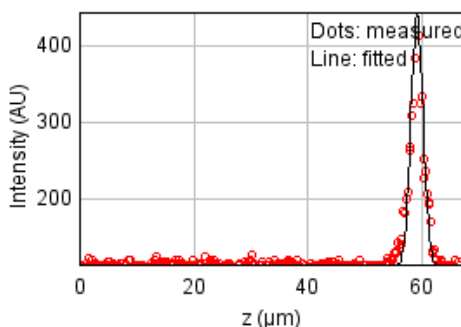
b = -0.072 px

c = 0.778 px

xc = 4.030 px

yc = 3.850 px

Z profile & fitting parameters:



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

Sum of residuals squared: 45759.4079

Standard deviation: 12.20874

R^2 : 0.94917

Parameters:

a = 115.22676

b = 442.10746

c = 59.18744

d = 1.05041