

Bead 3501 (Rejected)

Date : Mon Oct 17 13:54:18 PDT 2022

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

Frame size : 12 pixels

Coordinates : -157 μm (x), 17.0 μm (y), 58.1 μm (z)

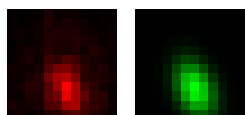
Corresponding bead : Not found

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

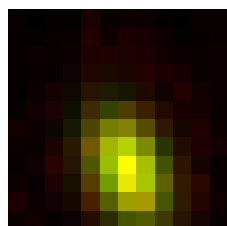
FWHM	Non corrected	Corrected	Theoretical
min	667 nm	695 nm	270 nm
max	1.06 μm	1.11 μm	270 nm
z	2.67 μm	2.68 μm	1.3 μm
Asymmetry	0.627		
Theta	-69.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 220.848 (brightness)

B = 123.028 (background)

a = 0.278 px

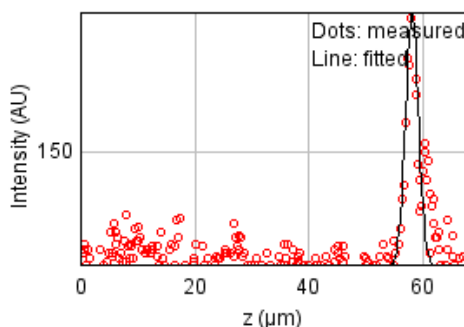
b = -0.061 px

c = 0.142 px

xc = 6.033 px

yc = 8.199 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19777.3240

Standard deviation: 8.02628

R^2 : 0.76211

Parameters:

a = 111.48260

b = 197.34591

c = 58.13541

d = 1.13396

Bead 3502

Date : Mon Oct 17 13:54:19 PDT 2022

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

Frame size : 12 pixels

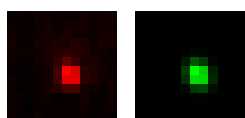
Coordinates : -82.2 μm (x), 15.2 μm (y), 59.6 μm (z)

Corresponding bead : Not found

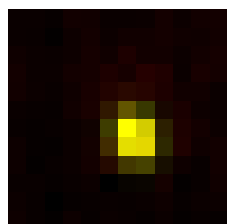
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	480 nm	500 nm	270 nm
z	1.93 μm	1.93 μm	1.3 μm
Asymmetry	0.821		
Theta	-68.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 648.519 (brightness)

B = 125.875 (background)

a = 0.827 px

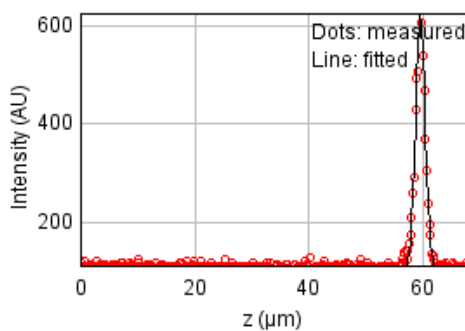
b = -0.095 px

c = 0.620 px

xc = 6.417 px

yc = 6.452 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20944.4292

Standard deviation: 8.25972

R^2 : 0.98749

Parameters:

a = 111.78995

b = 623.75446

c = 59.59053

d = 0.81819

Bead 3503 (Rejected)

Date : Mon Oct 17 13:54:19 PDT 2022

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

Frame size : 12 pixels

Coordinates : -130 μm (x), 11.8 μm (y), 59.2 μm (z)

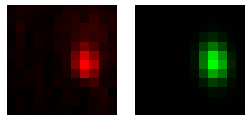
Corresponding bead : Not found

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

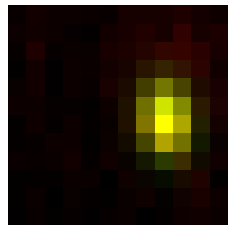
FWHM	Non corrected	Corrected	Theoretical
min	469 nm	489 nm	270 nm
max	697 nm	726 nm	270 nm
z	4.07 μm	4.08 μm	1.3 μm
Asymmetry	0.673		
Theta	-83.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 277.852$ (brightness)

$B = 117.342$ (background)

$a = 0.606$ px

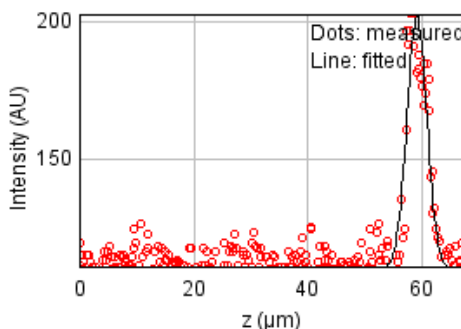
$b = -0.036$ px

$c = 0.280$ px

$x_c = 8.129$ px

$y_c = 5.709$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 16863.9808

Standard deviation: 7.41158

$R^2: 0.86210$

Parameters:

$a = 110.99663$

$b = 202.25958$

$c = 59.16757$

$d = 1.72724$

Bead 3504 (Rejected)

Date : Mon Oct 17 13:54:19 PDT 2022

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

Frame size : 12 pixels

Coordinates : -51.9 μm (x), 9.57 μm (y), 28.7 μm (z)

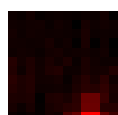
Corresponding bead : Not found

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	4.06 μm	4.08 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

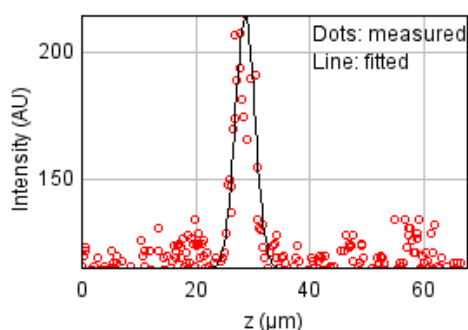
XY profile & fitting parameters :

(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: 27501.1812

Standard deviation: 9.46469

R²: 0.82031

Parameters:

a = 114.70242

b = 214.38858

c = 28.74313

d = 1.72359

Bead 3505

Date : Mon Oct 17 13:54:19 PDT 2022

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

Frame size : 12 pixels

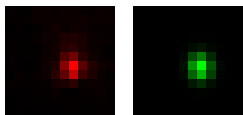
Coordinates : -73.5 μm (x), 5.13 μm (y), 59.8 μm (z)

Corresponding bead : Not found

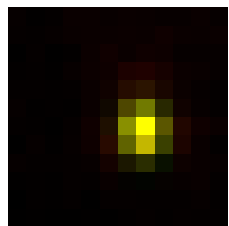
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	418 nm	270 nm
max	500 nm	521 nm	270 nm
z	1.85 μm	1.86 μm	1.3 μm
Asymmetry	0.803		
Theta	-86.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 849.475 (brightness)

B = 126.470 (background)

a = 0.831 px

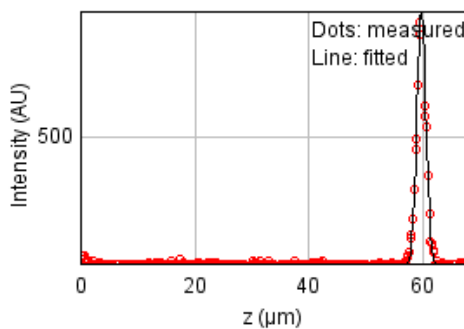
b = -0.018 px

c = 0.538 px

xc = 6.851 px

yc = 6.184 px

Z profile & fitting parameters:



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

Sum of residuals squared: 74656.0982

Standard deviation: 15.59421

R^2 : 0.97964

Parameters:

a = 114.11703

b = 883.85446

c = 59.77192

d = 0.78470

Bead 3506 (Rejected)

Date : Mon Oct 17 13:54:19 PDT 2022

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

Frame size : 12 pixels

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

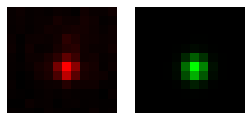
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

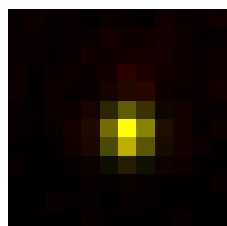
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	440 nm	458 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.953		
Theta	76.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 527.055 (brightness)

B = 123.295 (background)

a = 0.761 px

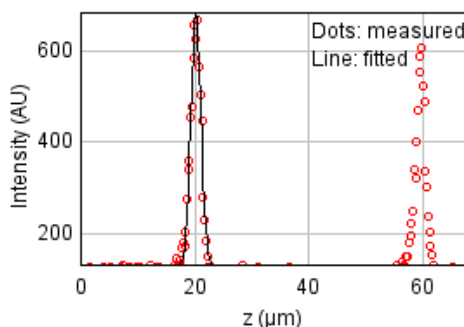
b = 0.016 px

c = 0.698 px

xc = 6.061 px

yc = 6.225 px

Z profile & fitting parameters:



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

Sum of residuals squared: 1410465.12

Standard deviation: 67.78163

R^2 : 0.59553

Parameters:

a = 129.75226

b = 684.12243

c = 20.29166

d = 0.87919

Bead 3507

Date : Mon Oct 17 13:54:19 PDT 2022

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

Frame size : 12 pixels

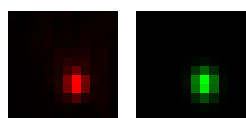
Coordinates : -54.3 μm (x), -6.36 μm (y), 59.8 μm (z)

Corresponding bead : Not found

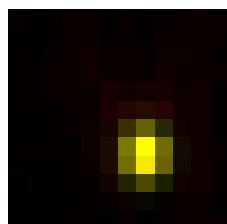
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	502 nm	522 nm	270 nm
z	1.7 μm	1.7 μm	1.3 μm
Asymmetry	0.814		
Theta	-88.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 886.692 (brightness)

B = 130.048 (background)

a = 0.804 px

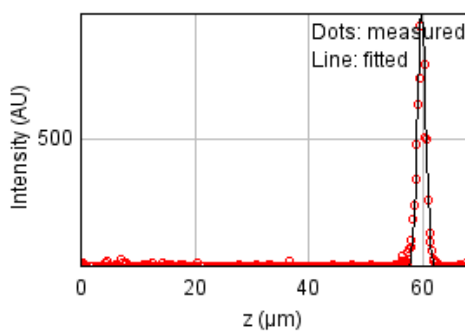
b = -0.009 px

c = 0.534 px

$x_c = 6.963$ px

$y_c = 7.412$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 55264.1646

Standard deviation: 13.41691

$R^2 = 0.98324$

Parameters:

a = 114.14922

b = 875.97268

c = 59.81117

d = 0.72051

Bead 3508

Date : Mon Oct 17 13:54:20 PDT 2022

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

Frame size : 12 pixels

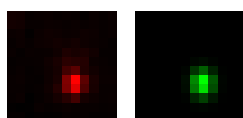
Coordinates : -52.4 μm (x), -8.11 μm (y), 59.9 μm (z)

Corresponding bead : Not found

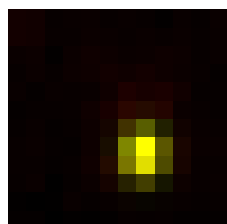
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	486 nm	506 nm	270 nm
z	1.78 μm	1.79 μm	1.3 μm
Asymmetry	0.812		
Theta	-89.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 847.718 (brightness)

B = 132.500 (background)

a = 0.861 px

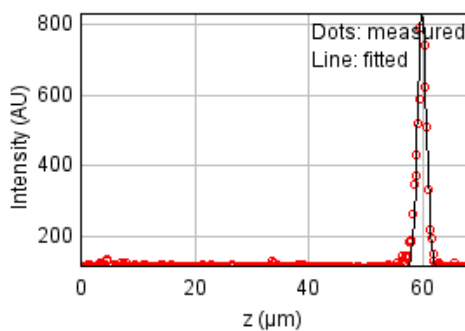
b = -0.001 px

c = 0.568 px

$x_c = 6.870$ px

$y_c = 7.378$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 68876.3120

Standard deviation: 14.97841

R^2 : 0.97775

Parameters:

a = 114.23719

b = 832.91023

c = 59.87977

d = 0.75753

Bead 3509 (Rejected)

Date : Mon Oct 17 13:54:20 PDT 2022

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

Frame size : 12 pixels

Coordinates : -32.7 μm (x), -9.16 μm (y), 59.4 μm (z)

Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

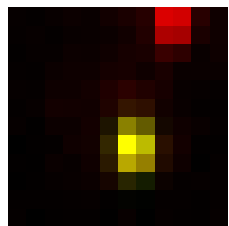
FWHM	Non corrected	Corrected	Theoretical
min	350 nm	364 nm	270 nm
max	493 nm	514 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.709		
Theta	-88.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.509$



Parameters:

A = 764.034 (brightness)

B = 152.894 (background)

a = 1.096 px

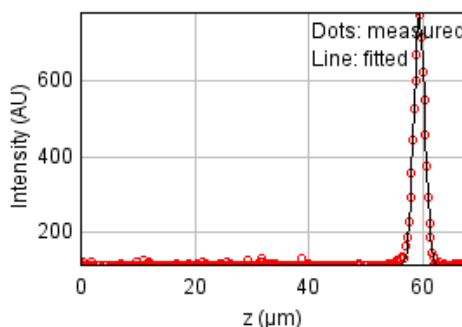
b = -0.015 px

c = 0.552 px

xc = 6.359 px

yc = 7.130 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16208.5969

Standard deviation: 7.26614

R^2 : 0.99498

Parameters:

a = 113.49971

b = 779.68130

c = 59.42013

d = 0.94530

Bead 3510

Date : Mon Oct 17 13:54:20 PDT 2022

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

Frame size : 12 pixels

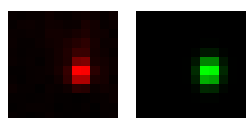
Coordinates : -7.81 μm (x), -19.9 μm (y), 59.5 μm (z)

Corresponding bead : Not found

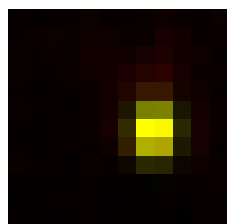
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	503 nm	524 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.765		
Theta	87.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 772.037$ (brightness)

$B = 129.211$ (background)

$a = 0.906$ px

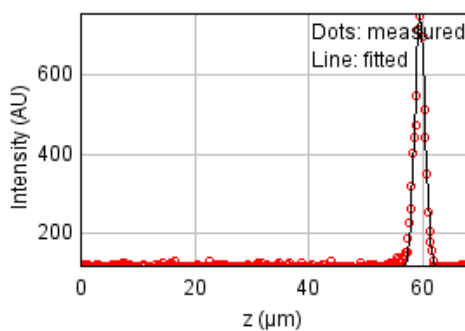
$b = 0.015$ px

$c = 0.531$ px

$x_c = 7.482$ px

$y_c = 6.129$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 47496.1530

Standard deviation: 12.43827

$R^2: 0.98344$

Parameters:

$a = 114.07270$

$b = 761.52034$

$c = 59.51881$

$d = 0.87512$

Bead 3511 (Rejected)

Date : Mon Oct 17 13:54:20 PDT 2022

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

Frame size : 12 pixels

Coordinates : 22.1 μm (x), -18.4 μm (y), 59.5 μm (z)

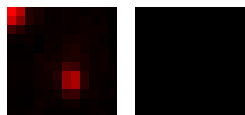
Corresponding bead : Not found

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

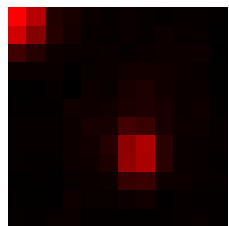
FWHM	Non corrected	Corrected	Theoretical
min	74.9 nm	78.1 nm	270 nm
max	99.6 nm	104 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.752		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = -0.000$



Parameters:

A = -45.817 (brightness)

B = 166.667 (background)

a = 3.085 px

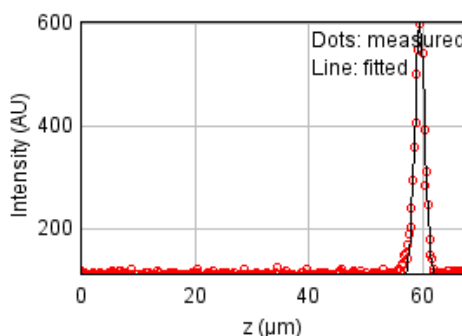
b = 18.583 px

c = 7.290 px

xc = -3.657 px

yc = -3.751 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32368.5098

Standard deviation: 10.26815

R^2 : 0.98003

Parameters:

a = 113.62271

b = 606.39175

c = 59.50241

d = 0.84998

Bead 3512

Date : Mon Oct 17 13:54:20 PDT 2022

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

Frame size : 12 pixels

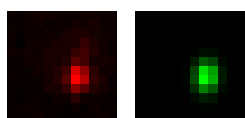
Coordinates : 15.0 μm (x), -22.9 μm (y), 59.4 μm (z)

Corresponding bead : Not found

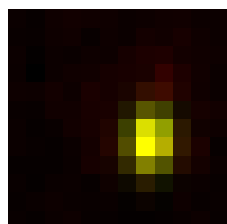
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	570 nm	594 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.721		
Theta	86.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 517.244$ (brightness)

$B = 126.033$ (background)

$a = 0.793$ px

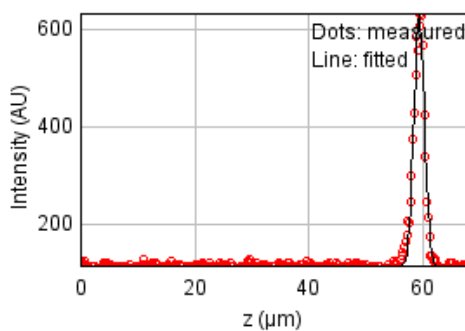
$b = 0.023$ px

$c = 0.414$ px

$x_c = 7.269$ px

$y_c = 6.652$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 33292.6090

Standard deviation: 10.41369

$R^2: 0.98255$

Parameters:

$a = 114.86150$

$b = 631.67135$

$c = 59.38845$

$d = 0.91496$

Bead 3513

Date : Mon Oct 17 13:54:20 PDT 2022

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

Frame size : 12 pixels

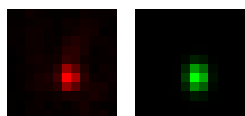
Coordinates : 35.9 μm (x), -23.6 μm (y), 59.4 μm (z)

Corresponding bead : Not found

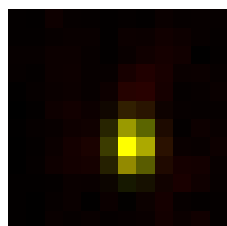
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	394 nm	270 nm
max	489 nm	510 nm	270 nm
z	2.16 μm	2.16 μm	1.3 μm
Asymmetry	0.773		
Theta	-89.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 558.632 (brightness)

B = 128.209 (background)

a = 0.938 px

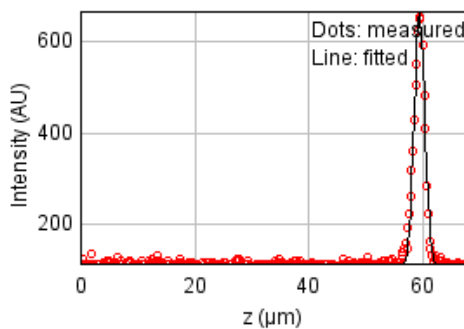
b = -0.003 px

c = 0.561 px

$x_c = 6.279$ px

$y_c = 6.952$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31748.0684

Standard deviation: 10.16926

R^2 : 0.98531

Parameters:

a = 113.72749

b = 664.42378

c = 59.44396

d = 0.91528

Bead 3514

Date : Mon Oct 17 13:54:21 PDT 2022

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

Frame size : 12 pixels

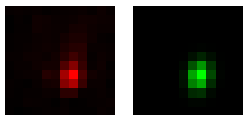
Coordinates : 69.5 μm (x), -29.4 μm (y), 59.4 μm (z)

Corresponding bead : Not found

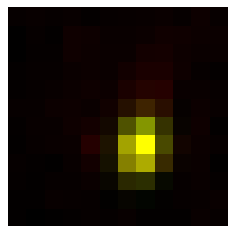
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	411 nm	270 nm
max	547 nm	569 nm	270 nm
z	2.06 μm	2.06 μm	1.3 μm
Asymmetry	0.721		
Theta	78.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 633.780 (brightness)

B = 125.793 (background)

a = 0.848 px

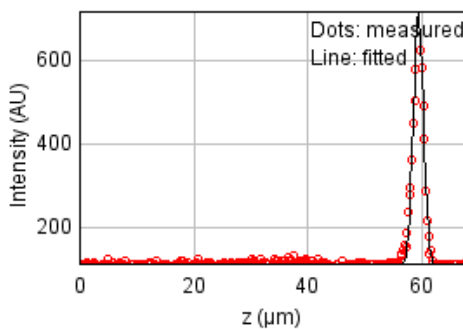
b = 0.079 px

c = 0.465 px

xc = 6.753 px

yc = 7.114 px

Z profile & fitting parameters:



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

Sum of residuals squared: 36261.7899

Standard deviation: 10.86815

R^2 : 0.98539

Parameters:

a = 114.46300

b = 718.04229

c = 59.42829

d = 0.87325

Bead 3515

Date : Mon Oct 17 13:54:21 PDT 2022

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

Frame size : 12 pixels

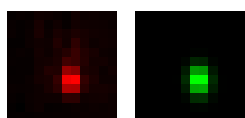
Coordinates : 15.7 μm (x), -30.9 μm (y), 59.6 μm (z)

Corresponding bead : Not found

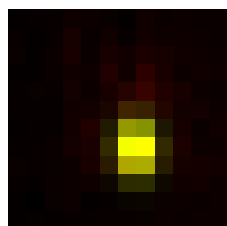
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	400 nm	270 nm
max	535 nm	557 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.719		
Theta	-88.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 652.681 (brightness)

B = 129.012 (background)

a = 0.907 px

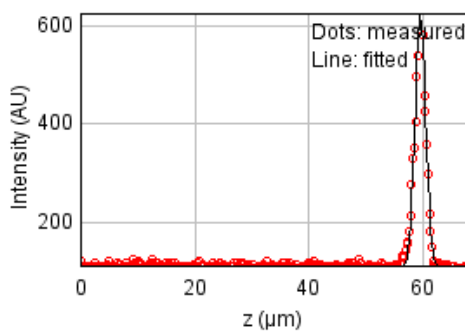
b = -0.015 px

c = 0.469 px

xc = 6.497 px

yc = 7.065 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23966.2497

Standard deviation: 8.83549

R^2 : 0.98717

Parameters:

a = 113.79607

b = 623.06238

c = 59.59247

d = 0.92716

Bead 3516

Date : Mon Oct 17 13:54:21 PDT 2022

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

Frame size : 12 pixels

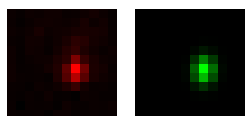
Coordinates : 48.8 μm (x), -31.6 μm (y), 59.6 μm (z)

Corresponding bead : Not found

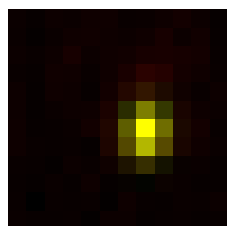
FWHM	Non corrected	Corrected	Theoretical
min	381 nm	397 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.75		
Theta	86.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 691.397 (brightness)

B = 125.968 (background)

a = 0.922 px

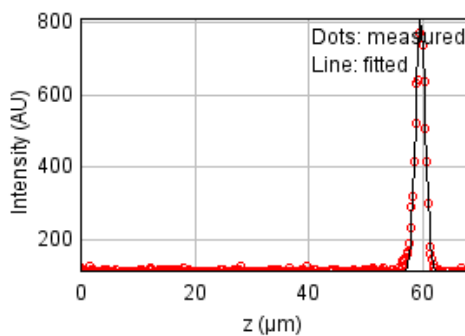
b = 0.027 px

c = 0.521 px

xc = 7.033 px

yc = 6.179 px

Z profile & fitting parameters:



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

Sum of residuals squared: 36341.0733

Standard deviation: 10.88002

R^2 : 0.98866

Parameters:

a = 113.48304

b = 809.36967

c = 59.61003

d = 0.85010

Bead 3517

Date : Mon Oct 17 13:54:21 PDT 2022

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

Frame size : 12 pixels

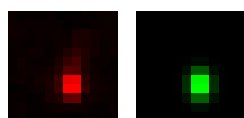
Coordinates : 35.3 μm (x), -31.9 μm (y), 59.7 μm (z)

Corresponding bead : Not found

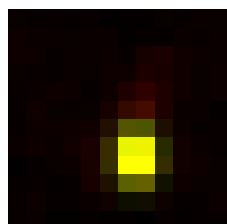
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	513 nm	534 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.766		
Theta	-89.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 712.624$ (brightness)

$B = 126.843$ (background)

$a = 0.869$ px

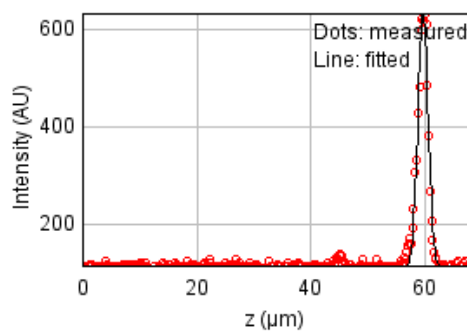
$b = -0.003$ px

$c = 0.510$ px

$x_c = 6.496$ px

$y_c = 7.541$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 46866.3323

Standard deviation: 12.35553

$R^2: 0.97547$

Parameters:

$a = 113.94266$

$b = 635.91704$

$c = 59.70699$

$d = 0.89061$

Bead 3518

Date : Mon Oct 17 13:54:21 PDT 2022

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

Frame size : 12 pixels

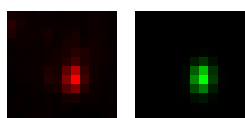
Coordinates : 17.6 μm (x), -32.2 μm (y), 59.7 μm (z)

Corresponding bead : Not found

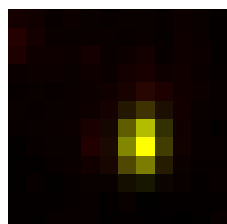
FWHM	Non corrected	Corrected	Theoretical
min	359 nm	374 nm	270 nm
max	516 nm	537 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.696		
Theta	86.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 766.208$ (brightness)

$B = 130.970$ (background)

$a = 1.040$ px

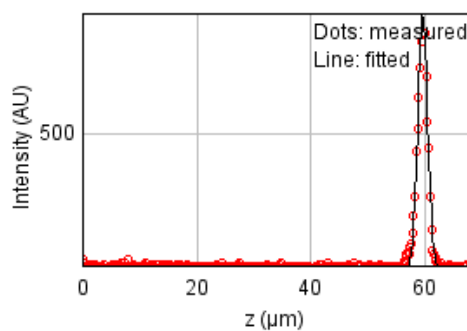
$b = 0.037$ px

$c = 0.507$ px

$x_c = 6.814$ px

$y_c = 6.812$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 32872.1593

Standard deviation: 10.34773

$R^2: 0.99065$

Parameters:

$a = 114.47626$

$b = 849.19684$

$c = 59.65252$

$d = 0.83707$

Bead 3519

Date : Mon Oct 17 13:54:21 PDT 2022

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

Frame size : 12 pixels

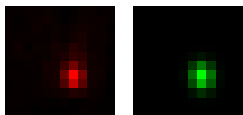
Coordinates : -434 nm (x), -35.1 um (y), 59.9 um (z)

Corresponding bead : Not found

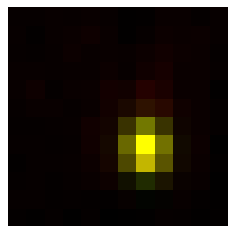
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	412 nm	270 nm
max	493 nm	514 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.802		
Theta	-86.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 818.645 (brightness)

B = 129.492 (background)

a = 0.856 px

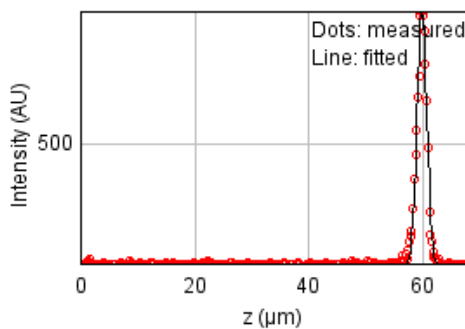
b = -0.017 px

c = 0.552 px

xc = 7.029 px

yc = 7.191 px

Z profile & fitting parameters:



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

Sum of residuals squared: 49532.7806

Standard deviation: 12.70215

R^2 : 0.98865

Parameters:

a = 114.05733

b = 927.95678

c = 59.86861

d = 0.84558

Bead 3520

Date : Mon Oct 17 13:54:21 PDT 2022

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

Frame size : 12 pixels

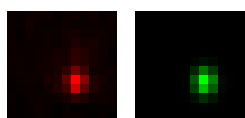
Coordinates : 46.7 μm (x), -37.3 μm (y), 59.8 μm (z)

Corresponding bead : Not found

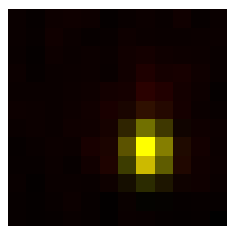
FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	484 nm	504 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.79		
Theta	-89.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 660.782$ (brightness)

$B = 128.985$ (background)

$a = 0.918$ px

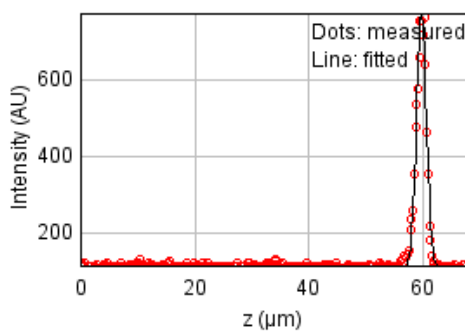
$b = -0.004$ px

$c = 0.573$ px

$x_c = 7.116$ px

$y_c = 7.222$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 51562.1416

Standard deviation: 12.95974

$R^2: 0.98236$

Parameters:

$a = 113.01978$

$b = 773.02715$

$c = 59.77574$

$d = 0.85651$

Bead 3521

Date : Mon Oct 17 13:54:21 PDT 2022

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

Frame size : 12 pixels

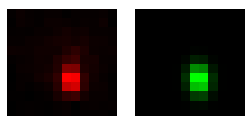
Coordinates : -29.8 μm (x), -38.2 μm (y), 59.9 μm (z)

Corresponding bead : Not found

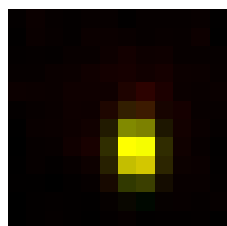
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	544 nm	566 nm	270 nm
z	2.2 μm	2.21 μm	1.3 μm
Asymmetry	0.724		
Theta	-86.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 892.800 (brightness)

B = 130.849 (background)

a = 0.864 px

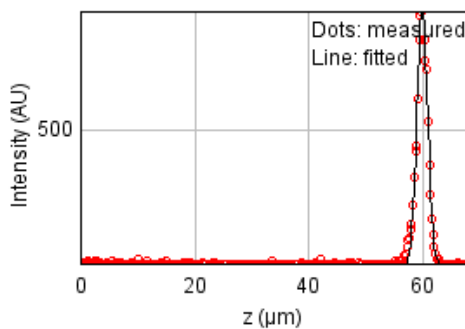
b = -0.028 px

c = 0.456 px

xc = 6.501 px

yc = 7.206 px

Z profile & fitting parameters:



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

Sum of residuals squared: 37192.2557

Standard deviation: 11.00670

R^2 : 0.99044

Parameters:

a = 114.28660

b = 848.03213

c = 59.93356

d = 0.93440

Bead 3522

Date : Mon Oct 17 13:54:22 PDT 2022

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

Frame size : 12 pixels

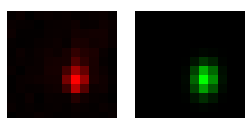
Coordinates : 50.0 μm (x), -38.8 μm (y), 59.6 μm (z)

Corresponding bead : Not found

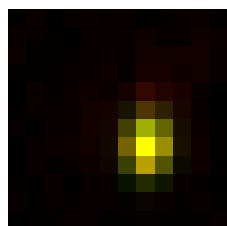
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	566 nm	590 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.736		
Theta	85.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 529.311 (brightness)

B = 127.364 (background)

a = 0.771 px

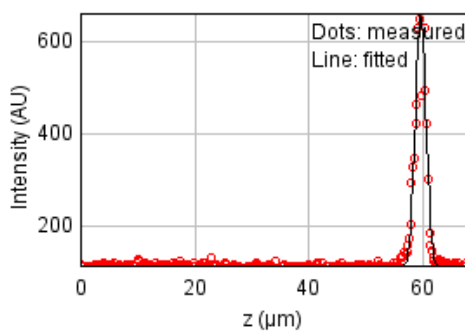
b = 0.026 px

c = 0.421 px

$x_c = 7.119$ px

$y_c = 6.935$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 78493.3078

Standard deviation: 15.98995

R^2 : 0.96449

Parameters:

a = 113.02074

b = 661.22540

c = 59.64662

d = 0.92531

Bead 3523

Date : Mon Oct 17 13:54:22 PDT 2022

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

Frame size : 12 pixels

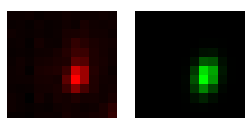
Coordinates : 49.3 μm (x), -41.2 μm (y), 59.7 μm (z)

Corresponding bead : Not found

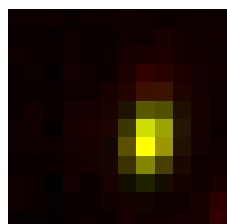
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	408 nm	270 nm
max	601 nm	626 nm	270 nm
z	2.08 μm	2.08 μm	1.3 μm
Asymmetry	0.652		
Theta	77.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 531.632 (brightness)

B = 127.151 (background)

a = 0.851 px

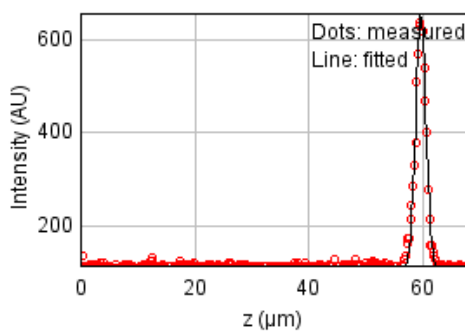
b = 0.109 px

c = 0.397 px

$x_c = 7.243$ px

$y_c = 6.609$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24804.2615

Standard deviation: 8.98864

R^2 : 0.98764

Parameters:

a = 113.91713

b = 654.79608

c = 59.66725

d = 0.88136

Bead 3524

Date : Mon Oct 17 13:54:22 PDT 2022

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

Frame size : 12 pixels

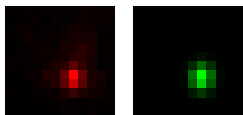
Coordinates : 84.9 μm (x), -41.8 μm (y), 59.6 μm (z)

Corresponding bead : Not found

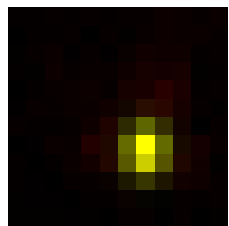
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	488 nm	508 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.805		
Theta	87.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 626.929 (brightness)

B = 124.509 (background)

a = 0.869 px

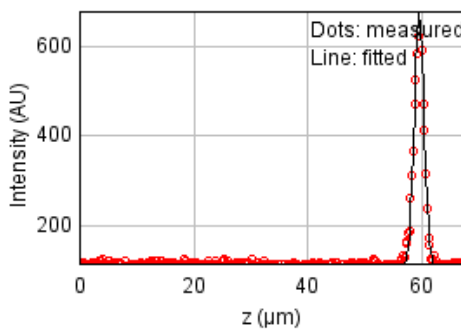
b = 0.015 px

c = 0.564 px

xc = 6.996 px

yc = 7.311 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28174.9807

Standard deviation: 9.57994

R^2 : 0.98661

Parameters:

a = 112.42635

b = 680.76770

c = 59.55326

d = 0.83417

Bead 3525

Date : Mon Oct 17 13:54:22 PDT 2022

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

Frame size : 12 pixels

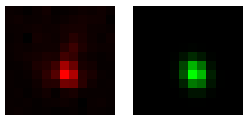
Coordinates : 90.9 μm (x), -54.9 μm (y), 59.6 μm (z)

Corresponding bead : Not found

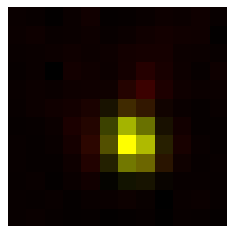
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	506 nm	527 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.828		
Theta	-70.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 578.308$ (brightness)

$B = 126.813$ (background)

$a = 0.736$ px

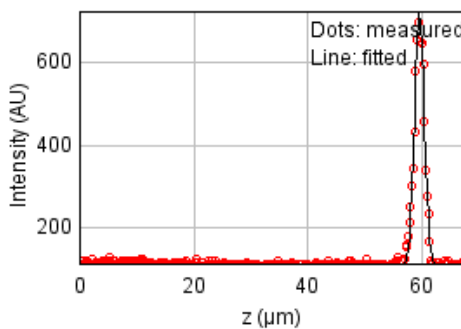
$b = -0.076$ px

$c = 0.551$ px

$x_c = 6.271$ px

$y_c = 6.854$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27533.0175

Standard deviation: 9.47017

$R^2: 0.98865$

Parameters:

$a = 113.51371$

$b = 721.09721$

$c = 59.59864$

$d = 0.84386$

Bead 3526

Date : Mon Oct 17 13:54:22 PDT 2022

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

Frame size : 12 pixels

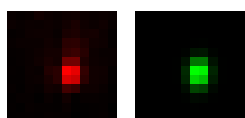
Coordinates : 10.0 μm (x), -56.7 μm (y), 60.1 μm (z)

Corresponding bead : Not found

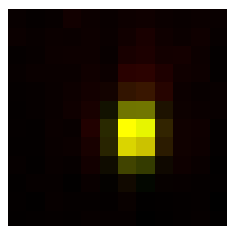
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	394 nm	270 nm
max	528 nm	550 nm	270 nm
z	2.03 μm	2.04 μm	1.3 μm
Asymmetry	0.716		
Theta	86.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 966.009 (brightness)

B = 131.464 (background)

a = 0.938 px

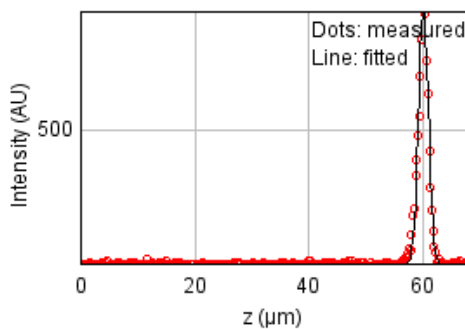
b = 0.027 px

c = 0.483 px

$x_c = 6.469$ px

$y_c = 6.287$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 49684.6101

Standard deviation: 12.72160

R^2 : 0.98630

Parameters:

a = 114.60593

b = 848.53378

c = 60.14455

d = 0.86333

Bead 3527

Date : Mon Oct 17 13:54:22 PDT 2022

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

Frame size : 12 pixels

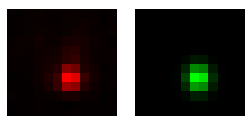
Coordinates : 20.8 μm (x), -64.1 μm (y), 60.3 μm (z)

Corresponding bead : Not found

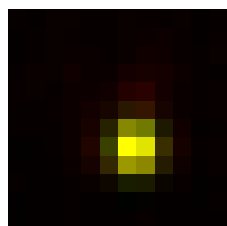
FWHM	Non corrected	Corrected	Theoretical
min	424 nm	442 nm	270 nm
max	484 nm	504 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.876		
Theta	89.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1425.923$ (brightness)

$B = 142.177$ (background)

$a = 0.746$ px

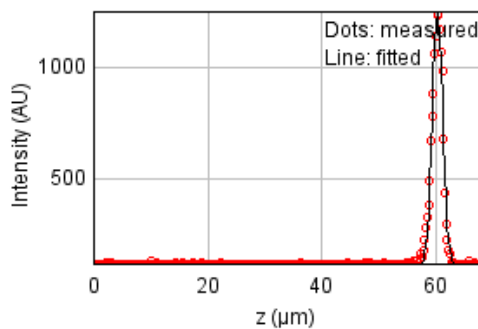
$b = 0.002$ px

$c = 0.572$ px

$x_c = 6.423$ 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: 92787.8851

Standard deviation: 17.38507

$R^2: 0.98976$

Parameters:

$a = 114.64785$

$b = 1253.11368$

$c = 60.31774$

$d = 0.90156$

Bead 3528 (Rejected)

Date : Mon Oct 17 13:54:23 PDT 2022

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

Frame size : 12 pixels

Coordinates : 17.5 μm (x), -65.8 μm (y), 60.3 μm (z)

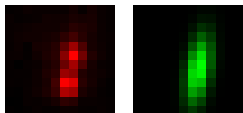
Corresponding bead : Not found

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

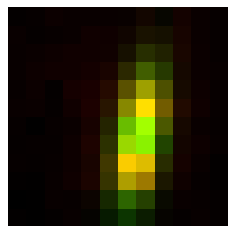
FWHM	Non corrected	Corrected	Theoretical
min	438 nm	456 nm	270 nm
max	1.28 μm	1.33 μm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.343		
Theta	81.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 693.455 (brightness)

B = 130.556 (background)

a = 0.685 px

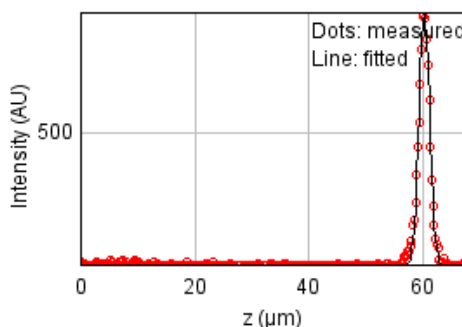
b = 0.095 px

c = 0.097 px

xc = 6.642 px

yc = 6.562 px

Z profile & fitting parameters:



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

Sum of residuals squared: 29880.1823

Standard deviation: 9.86558

R^2 : 0.99227

Parameters:

a = 114.69286

b = 849.44061

c = 60.29743

d = 0.92619

Bead 3529

Date : Mon Oct 17 13:54:23 PDT 2022

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

Frame size : 12 pixels

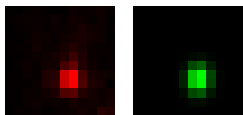
Coordinates : 2.56 μm (x), -72.4 μm (y), 59.8 μm (z)

Corresponding bead : Not found

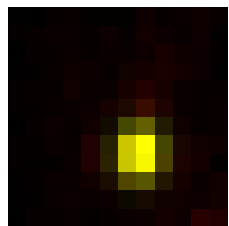
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	514 nm	535 nm	270 nm
z	1.91 μm	1.91 μm	1.3 μm
Asymmetry	0.809		
Theta	86.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 665.859 (brightness)

B = 130.500 (background)

a = 0.776 px

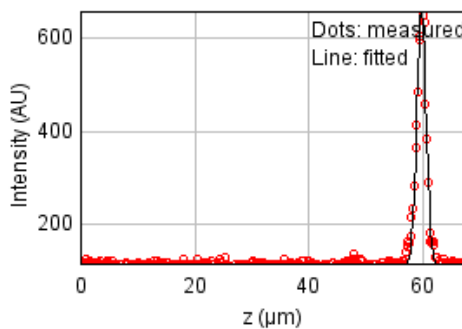
b = 0.017 px

c = 0.509 px

$x_c = 6.653$ px

$y_c = 7.477$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 37348.1954

Standard deviation: 11.02975

R^2 : 0.98000

Parameters:

a = 115.25977

b = 656.64221

c = 59.78597

d = 0.80929

Bead 3530

Date : Mon Oct 17 13:54:23 PDT 2022

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

Frame size : 12 pixels

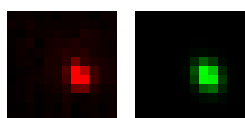
Coordinates : -149 μm (x), -77.7 μm (y), 59.4 μm (z)

Corresponding bead : Not found

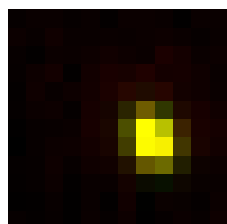
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	536 nm	558 nm	270 nm
z	2.57 μm	2.58 μm	1.3 μm
Asymmetry	0.774		
Theta	-65.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 537.887$ (brightness)

$B = 118.081$ (background)

$a = 0.727$ px

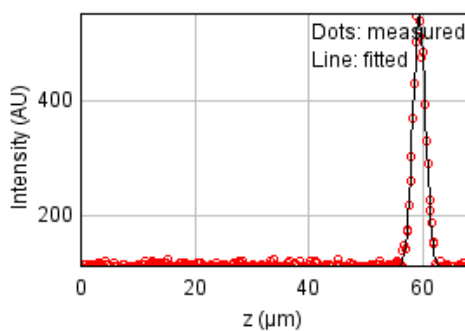
$b = -0.118$ px

$c = 0.521$ px

$x_c = 7.401$ px

$y_c = 6.573$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19710.0114

Standard deviation: 8.01261

$R^2: 0.98793$

Parameters:

$a = 110.38316$

$b = 551.24997$

$c = 59.39813$

$d = 1.09234$

Bead 3531 (Rejected)

Date : Mon Oct 17 13:54:23 PDT 2022

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

Frame size : 12 pixels

Coordinates : -128 μm (x), -94.9 μm (y), 57.0 μm (z)

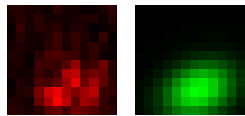
Corresponding bead : Not found

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

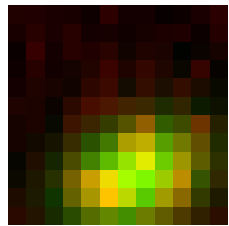
FWHM	Non corrected	Corrected	Theoretical
min	958 nm	998 nm	270 nm
max	1.34 μm	1.4 μm	270 nm
z	3.13 μm	3.14 μm	1.3 μm
Asymmetry	0.713		
Theta	24.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.754$



Parameters:

A = 89.215 (brightness)

B = 113.435 (background)

a = 0.087 px

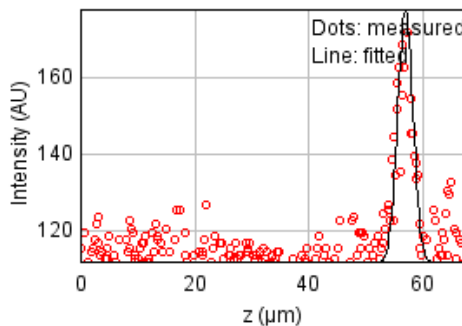
b = 0.027 px

c = 0.134 px

xc = 6.424 px

yc = 8.810 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15210.5087

Standard deviation: 7.03887

R^2 : 0.73977

Parameters:

a = 111.97798

b = 177.84580

c = 56.97607

d = 1.32952

Bead 3532

Date : Mon Oct 17 13:54:23 PDT 2022

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

Frame size : 12 pixels

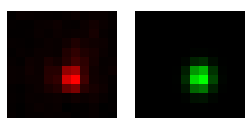
Coordinates : 68.8 μm (x), -94.7 μm (y), 59.9 μm (z)

Corresponding bead : Not found

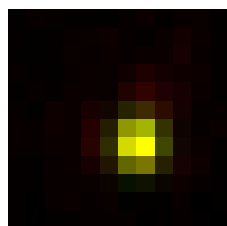
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	490 nm	510 nm	270 nm
z	2.2 μm	2.21 μm	1.3 μm
Asymmetry	0.876		
Theta	86.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 643.082$ (brightness)

$B = 127.094$ (background)

$a = 0.729$ px

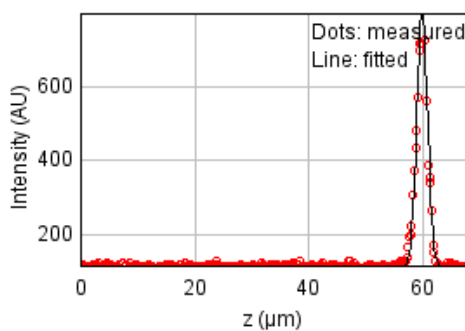
$b = 0.011$ px

$c = 0.560$ px

$x_c = 6.611$ px

$y_c = 6.817$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 71038.7764

Standard deviation: 15.21173

$R^2: 0.97928$

Parameters:

$a = 113.27457$

$b = 798.28050$

$c = 59.91659$

$d = 0.93358$

Bead 3533 (Rejected)

Date : Mon Oct 17 13:54:24 PDT 2022

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

Frame size : 12 pixels

Coordinates : 40.5 μm (x), 61.5 μm (y), 31.9 μm (z)

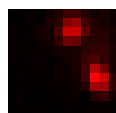
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	5.66 μm	5.68 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

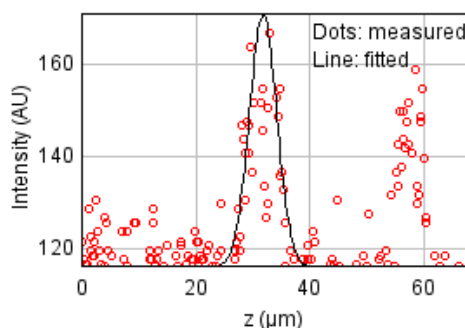
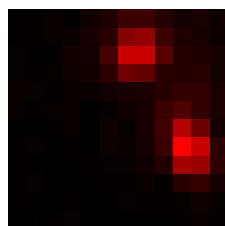
XY profile & fitting parameters :

(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: 61519.0214

Standard deviation: 14.15584

R²: 0.45110

Parameters:

a = 116.36620

b = 171.02392

c = 31.86708

d = 2.40256

Bead 3534 (Rejected)

Date : Mon Oct 17 13:54:24 PDT 2022

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

Frame size : 12 pixels

Coordinates : -132 μm (x), 55.3 μm (y), 58.3 μm (z)

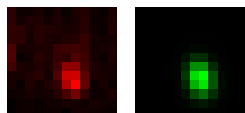
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

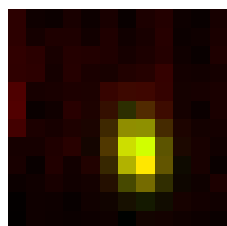
FWHM	Non corrected	Corrected	Theoretical
min	457 nm	476 nm	270 nm
max	643 nm	670 nm	270 nm
z	3.15 μm	3.16 μm	1.3 μm
Asymmetry	0.711		
Theta	-78.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.870$



Parameters:

A = 236.990 (brightness)

B = 126.451 (background)

a = 0.630 px

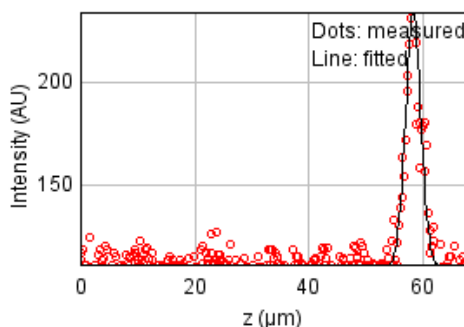
b = -0.060 px

c = 0.336 px

xc = 6.637 px

yc = 7.283 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18946.8666

Standard deviation: 7.85596

R^2 : 0.88808

Parameters:

a = 111.33308

b = 233.87809

c = 58.33953

d = 1.33602

Bead 3535

Date : Mon Oct 17 13:54:24 PDT 2022

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

Frame size : 12 pixels

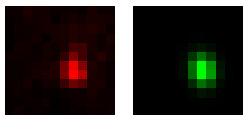
Coordinates : -147 μm (x), 35.9 μm (y), 59.5 μm (z)

Corresponding bead : Not found

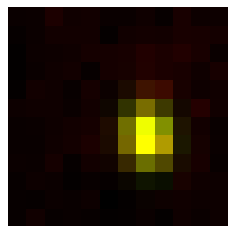
FWHM	Non corrected	Corrected	Theoretical
min	435 nm	453 nm	270 nm
max	567 nm	590 nm	270 nm
z	2.35 μm	2.35 μm	1.3 μm
Asymmetry	0.768		
Theta	-82.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 355.171 (brightness)

B = 119.524 (background)

a = 0.703 px

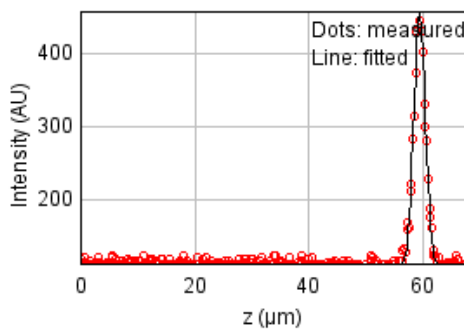
b = -0.038 px

c = 0.423 px

$x_c = 7.120$ px

$y_c = 6.514$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 15913.5676

Standard deviation: 7.19970

R^2 : 0.98274

Parameters:

a = 111.93143

b = 457.13705

c = 59.46436

d = 0.99591

Bead 3536

Date : Mon Oct 17 13:54:24 PDT 2022

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

Frame size : 12 pixels

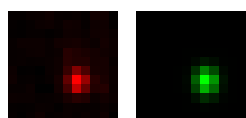
Coordinates : -109 μm (x), 32.0 μm (y), 59.4 μm (z)

Corresponding bead : Not found

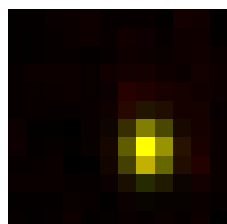
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	432 nm	270 nm
max	498 nm	519 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.831		
Theta	-89.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 449.537$ (brightness)

$B = 120.445$ (background)

$a = 0.781$ px

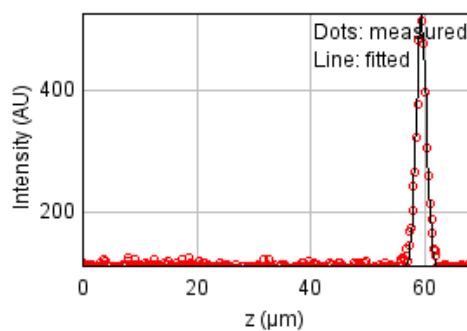
$b = -0.003$ px

$c = 0.540$ px

$x_c = 7.150$ px

$y_c = 7.159$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25020.2558

Standard deviation: 9.02769

$R^2: 0.97855$

Parameters:

$a = 112.54569$

$b = 526.26060$

$c = 59.41552$

$d = 0.86702$

Bead 3537

Date : Mon Oct 17 13:54:24 PDT 2022

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

Frame size : 12 pixels

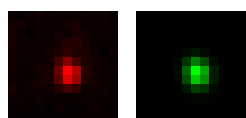
Coordinates : -137 μm (x), 25.6 μm (y), 59.7 μm (z)

Corresponding bead : Not found

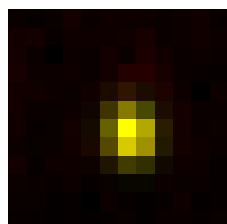
FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	526 nm	548 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.833		
Theta	-78.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 558.246$ (brightness)

$B = 124.476$ (background)

$a = 0.688$ px

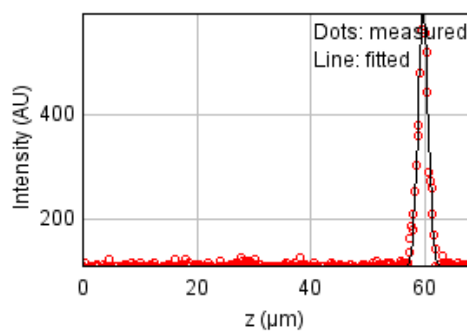
$b = -0.043$ px

$c = 0.493$ px

$x_c = 6.210$ px

$y_c = 6.278$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 30887.4800

Standard deviation: 10.03049

$R^2: 0.98047$

Parameters:

$a = 112.38765$

$b = 592.33405$

$c = 59.72166$

$d = 0.87587$

Bead 3538

Date : Mon Oct 17 13:54:25 PDT 2022

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

Frame size : 12 pixels

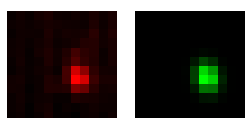
Coordinates : -140 μm (x), 25.2 μm (y), 59.5 μm (z)

Corresponding bead : Not found

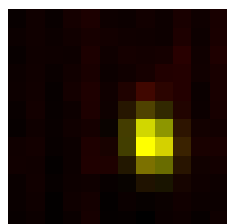
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	419 nm	270 nm
max	529 nm	551 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.761		
Theta	-76.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 480.597 (brightness)

B = 123.709 (background)

a = 0.810 px

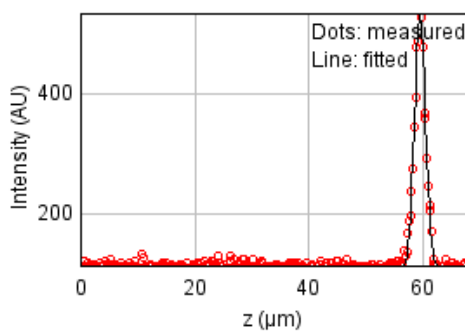
b = -0.078 px

c = 0.498 px

$x_c = 7.351$ px

$y_c = 6.731$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18449.6255

Standard deviation: 7.75219

R^2 : 0.98604

Parameters:

a = 111.92765

b = 536.36647

c = 59.52720

d = 0.94465

Bead 3539

Date : Mon Oct 17 13:54:25 PDT 2022

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

Frame size : 12 pixels

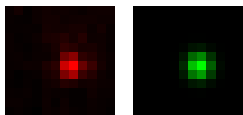
Coordinates : -117 μm (x), 24.5 μm (y), 59.8 μm (z)

Corresponding bead : Not found

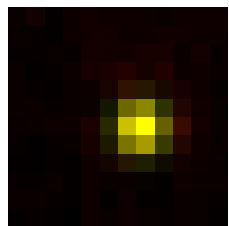
FWHM	Non corrected	Corrected	Theoretical
min	459 nm	478 nm	270 nm
max	486 nm	507 nm	270 nm
z	1.78 μm	1.78 μm	1.3 μm
Asymmetry	0.944		
Theta	-87.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 577.102$ (brightness)

$B = 119.917$ (background)

$a = 0.636$ px

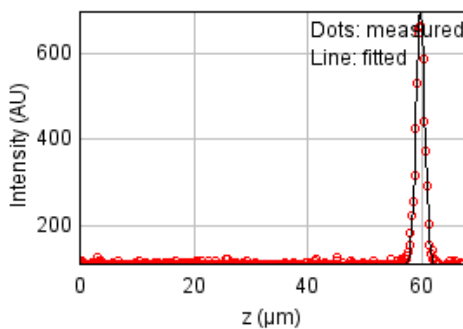
$b = -0.003$ px

$c = 0.567$ px

$x_c = 6.720$ px

$y_c = 6.058$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23670.7768

Standard deviation: 8.78086

$R^2: 0.98828$

Parameters:

$a = 112.41732$

$b = 697.16709$

$c = 59.77531$

$d = 0.75399$

Bead 3540

Date : Mon Oct 17 13:54:25 PDT 2022

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

Frame size : 12 pixels

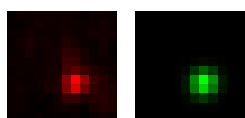
Coordinates : -130 μm (x), 22.9 μm (y), 59.8 μm (z)

Corresponding bead : Not found

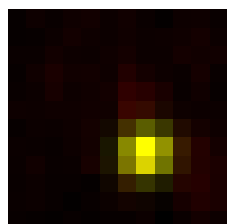
FWHM	Non corrected	Corrected	Theoretical
min	467 nm	486 nm	270 nm
max	483 nm	503 nm	270 nm
z	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.966		
Theta	39.0°		

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:

$A = 434.014$ (brightness)

$B = 124.942$ (background)

$a = 0.591$ px

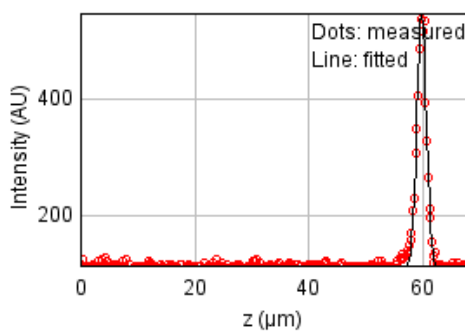
$b = 0.020$ px

$c = 0.600$ px

$x_c = 7.017$ px

$y_c = 7.338$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19325.8680

Standard deviation: 7.93415

$R^2: 0.98395$

Parameters:

$a = 112.03606$

$b = 545.35962$

$c = 59.81058$

$d = 0.81846$

Bead 3541

Date : Mon Oct 17 13:54:25 PDT 2022

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

Frame size : 12 pixels

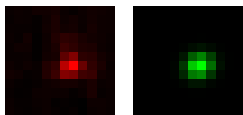
Coordinates : -88.5 μm (x), 23.0 μm (y), 59.8 μm (z)

Corresponding bead : Not found

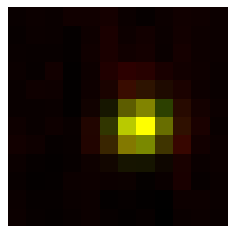
FWHM	Non corrected	Corrected	Theoretical
min	449 nm	467 nm	270 nm
max	513 nm	534 nm	270 nm
z	1.82 μm	1.83 μm	1.3 μm
Asymmetry	0.875		
Theta	23.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.923$



Parameters:

A = 411.640 (brightness)

B = 123.666 (background)

a = 0.536 px

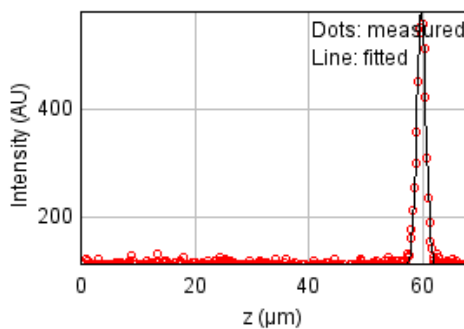
b = 0.058 px

c = 0.641 px

xc = 6.715 px

yc = 6.039 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19386.4201

Standard deviation: 7.94657

R^2 : 0.98565

Parameters:

a = 113.36385

b = 585.50374

c = 59.75767

d = 0.77256

Bead 3542

Date : Mon Oct 17 13:54:25 PDT 2022

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

Frame size : 12 pixels

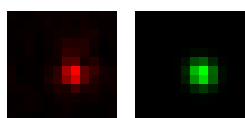
Coordinates : -146 μm (x), 14.3 μm (y), 60.2 μm (z)

Corresponding bead : Not found

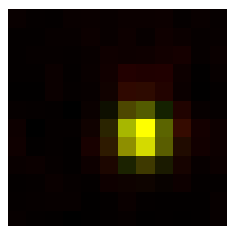
FWHM	Non corrected	Corrected	Theoretical
min	449 nm	468 nm	270 nm
max	486 nm	506 nm	270 nm
z	1.88 μm	1.89 μm	1.3 μm
Asymmetry	0.924		
Theta	-58.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 595.150 (brightness)

B = 123.821 (background)

a = 0.639 px

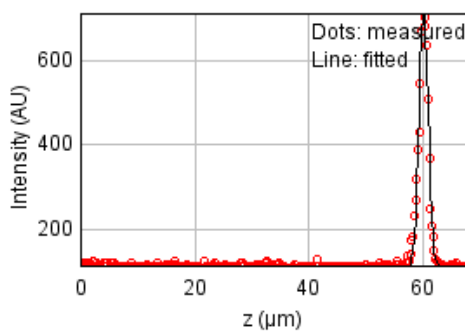
b = -0.043 px

c = 0.595 px

$x_c = 6.786$ px

$y_c = 6.351$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 34003.1539

Standard deviation: 10.52423

R^2 : 0.98505

Parameters:

a = 112.15934

b = 714.94513

c = 60.17454

d = 0.79891

Bead 3543

Date : Mon Oct 17 13:54:25 PDT 2022

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

Frame size : 12 pixels

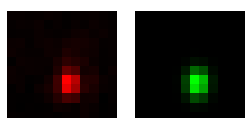
Coordinates : -149 μm (x), 12.1 μm (y), 60.0 μm (z)

Corresponding bead : Not found

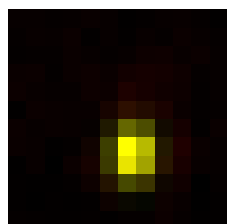
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	412 nm	270 nm
max	514 nm	535 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.77		
Theta	88.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 751.365 (brightness)

B = 126.737 (background)

a = 0.858 px

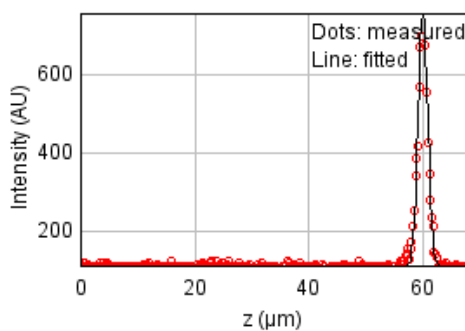
b = 0.009 px

c = 0.509 px

xc = 6.311 px

yc = 7.383 px

Z profile & fitting parameters:



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

Sum of residuals squared: 40178.3414

Standard deviation: 11.44002

R^2 : 0.98508

Parameters:

a = 111.72950

b = 753.00839

c = 60.04664

d = 0.83710

Bead 3544

Date : Mon Oct 17 13:54:25 PDT 2022

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

Frame size : 12 pixels

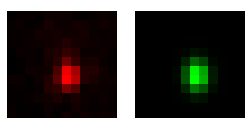
Coordinates : -115 μm (x), 9.23 μm (y), 59.8 μm (z)

Corresponding bead : Not found

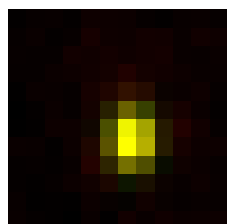
FWHM	Non corrected	Corrected	Theoretical
min	421 nm	439 nm	270 nm
max	555 nm	578 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.76		
Theta	-88.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 493.899 (brightness)

B = 125.239 (background)

a = 0.756 px

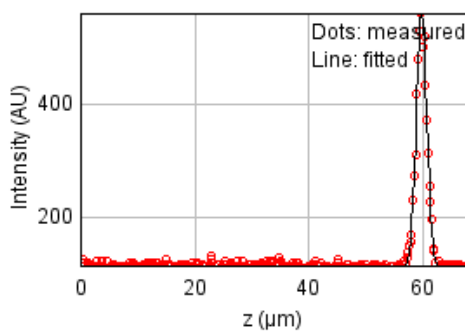
b = -0.007 px

c = 0.436 px

$x_c = 6.244$ px

$y_c = 6.559$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 16070.0903

Standard deviation: 7.23502

R^2 : 0.98861

Parameters:

a = 113.13409

b = 559.71839

c = 59.79681

d = 0.91145

Bead 3545

Date : Mon Oct 17 13:54:26 PDT 2022

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

Frame size : 12 pixels

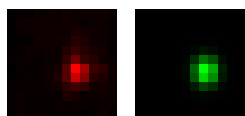
Coordinates : -115 μm (x), 6.64 μm (y), 60.0 μm (z)

Corresponding bead : Not found

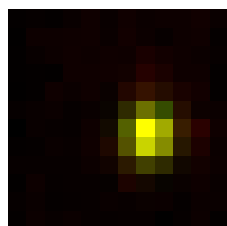
FWHM	Non corrected	Corrected	Theoretical
min	443 nm	462 nm	270 nm
max	516 nm	538 nm	270 nm
z	1.81 μm	1.82 μm	1.3 μm
Asymmetry	0.858		
Theta	87.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 510.009 (brightness)

B = 122.022 (background)

a = 0.683 px

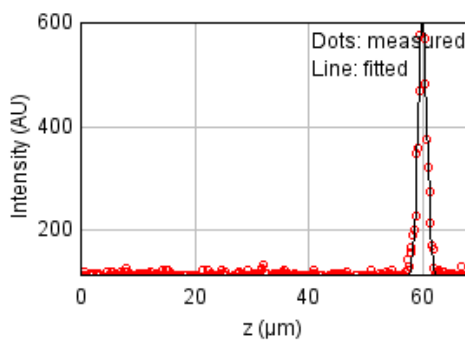
b = 0.007 px

c = 0.504 px

xc = 7.201 px

yc = 6.315 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23703.3246

Standard deviation: 8.78690

R^2 : 0.98379

Parameters:

a = 112.59552

b = 604.04459

c = 59.96199

d = 0.77036

Bead 3546

Date : Mon Oct 17 13:54:26 PDT 2022

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

Frame size : 12 pixels

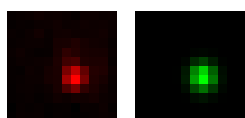
Coordinates : -136 μm (x), 1.72 μm (y), 60.1 μm (z)

Corresponding bead : Not found

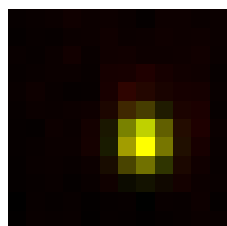
FWHM	Non corrected	Corrected	Theoretical
min	461 nm	480 nm	270 nm
max	513 nm	534 nm	270 nm
z	2.19 μm	2.19 μm	1.3 μm
Asymmetry	0.898		
Theta	-87.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 585.915 (brightness)

B = 126.518 (background)

a = 0.632 px

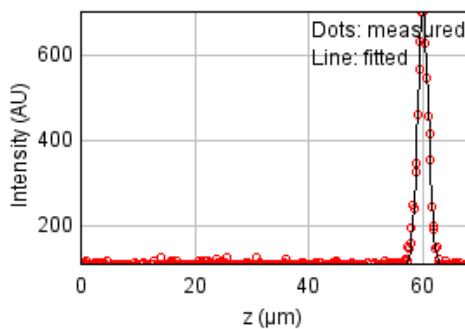
b = -0.006 px

c = 0.511 px

$x_c = 6.884$ px

$y_c = 6.695$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23972.3272

Standard deviation: 8.83661

R^2 : 0.99044

Parameters:

a = 112.31821

b = 703.16184

c = 60.07209

d = 0.92796

Bead 3547

Date : Mon Oct 17 13:54:26 PDT 2022

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

Frame size : 12 pixels

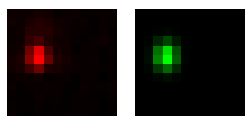
Coordinates : -90.4 μm (x), -2.89 μm (y), 53.9 μm (z)

Corresponding bead : Not found

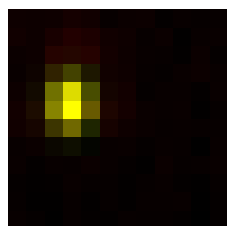
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	413 nm	270 nm
max	504 nm	525 nm	270 nm
z	2.03 μm	2.04 μm	1.3 μm
Asymmetry	0.786		
Theta	-89.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 561.079$ (brightness)

$B = 120.517$ (background)

$a = 0.854$ px

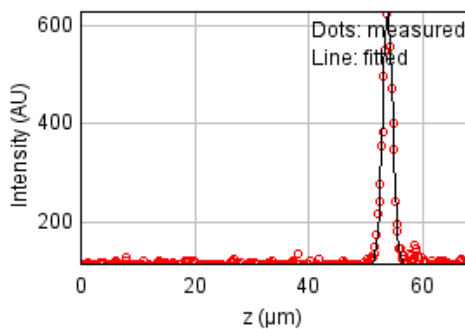
$b = -0.002$ px

$c = 0.528$ px

$x_c = 2.887$ px

$y_c = 4.643$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24252.2863

Standard deviation: 8.88806

$R^2: 0.98640$

Parameters:

$a = 113.67290$

$b = 628.16080$

$c = 53.87515$

$d = 0.86417$

Bead 3548

Date : Mon Oct 17 13:54:26 PDT 2022

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

Frame size : 12 pixels

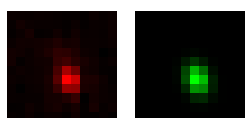
Coordinates : -105 μm (x), -6.48 μm (y), 59.5 μm (z)

Corresponding bead : Not found

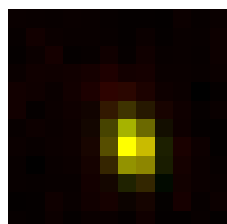
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	567 nm	591 nm	270 nm
z	1.78 μm	1.79 μm	1.3 μm
Asymmetry	0.731		
Theta	-71.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 424.449$ (brightness)

$B = 121.772$ (background)

$a = 0.745$ px

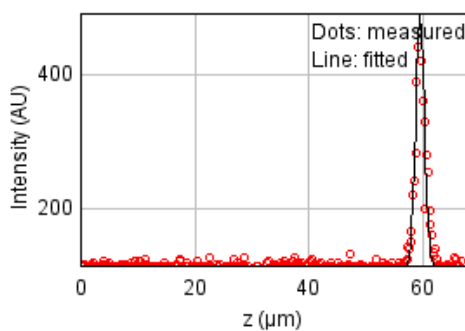
$b = -0.109$ px

$c = 0.453$ px

$x_c = 6.287$ px

$y_c = 6.962$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 52002.3461

Standard deviation: 13.01494

$R^2: 0.94170$

Parameters:

$a = 113.51812$

$b = 492.58807$

$c = 59.53615$

$d = 0.75536$

Bead 3549

Date : Mon Oct 17 13:54:27 PDT 2022

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

Frame size : 12 pixels

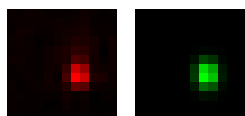
Coordinates : -41.9 μm (x), -7.73 μm (y), 59.5 μm (z)

Corresponding bead : Not found

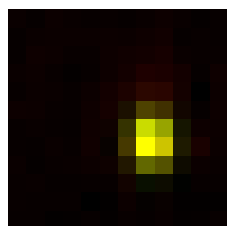
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	506 nm	527 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.771		
Theta	-87.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 635.588 (brightness)

B = 123.400 (background)

a = 0.881 px

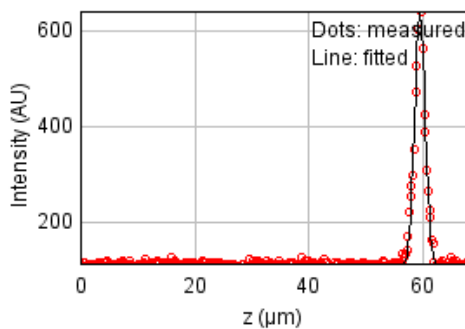
b = -0.014 px

c = 0.525 px

$x_c = 7.345$ px

$y_c = 6.653$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28703.1750

Standard deviation: 9.66932

R^2 : 0.98550

Parameters:

a = 114.19428

b = 643.42405

c = 59.51421

d = 0.90767

Bead 3550

Date : Mon Oct 17 13:54:27 PDT 2022

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

Frame size : 12 pixels

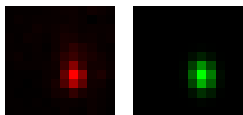
Coordinates : -109 μm (x), -7.61 μm (y), 60.1 μm (z)

Corresponding bead : Not found

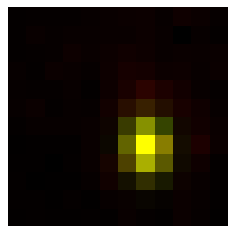
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	420 nm	270 nm
max	533 nm	555 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.755		
Theta	-86.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 756.559 (brightness)

B = 126.534 (background)

a = 0.825 px

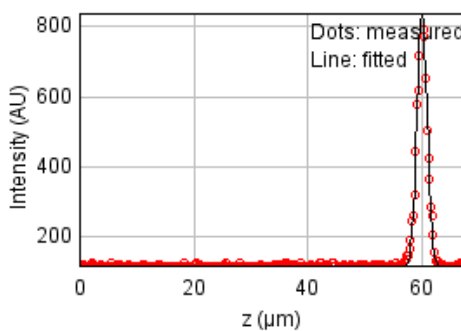
b = -0.021 px

c = 0.473 px

$x_c = 7.071$ px

$y_c = 7.101$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 34161.1218

Standard deviation: 10.54865

R^2 : 0.99055

Parameters:

a = 112.96327

b = 837.34358

c = 60.06513

d = 0.88828

Bead 3551

Date : Mon Oct 17 13:54:27 PDT 2022

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

Frame size : 12 pixels

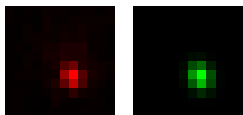
Coordinates : -51.7 μm (x), -14.2 μm (y), 59.9 μm (z)

Corresponding bead : Not found

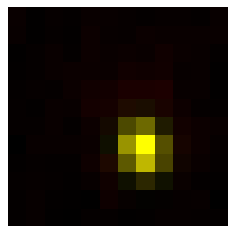
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	480 nm	500 nm	270 nm
z	1.82 μm	1.83 μm	1.3 μm
Asymmetry	0.81		
Theta	-72.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 789.813 (brightness)

B = 130.652 (background)

a = 0.859 px

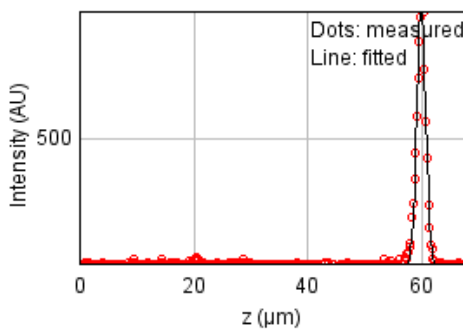
b = -0.088 px

c = 0.610 px

xc = 6.838 px

yc = 7.201 px

Z profile & fitting parameters:



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

Sum of residuals squared: 35807.5068

Standard deviation: 10.79985

R^2 : 0.99023

Parameters:

a = 114.04833

b = 892.37387

c = 59.93345

d = 0.77482

Bead 3552

Date : Mon Oct 17 13:54:27 PDT 2022

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

Frame size : 12 pixels

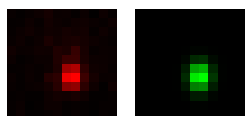
Coordinates : -22.8 μm (x), -14.2 μm (y), 59.6 μm (z)

Corresponding bead : Not found

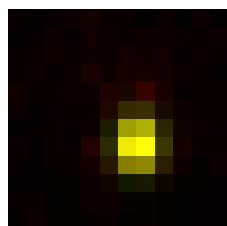
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	519 nm	540 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.779		
Theta	88.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 540.882 (brightness)

B = 120.782 (background)

a = 0.822 px

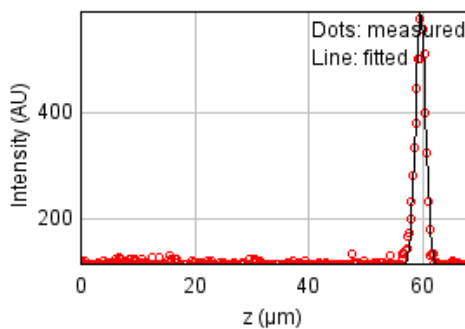
b = 0.007 px

c = 0.499 px

xc = 6.553 px

yc = 6.871 px

Z profile & fitting parameters:



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

Sum of residuals squared: 35499.3308

Standard deviation: 10.75328

R^2 : 0.97672

Parameters:

a = 114.94251

b = 588.09382

c = 59.63626

d = 0.86491

Bead 3553

Date : Mon Oct 17 13:54:27 PDT 2022

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

Frame size : 12 pixels

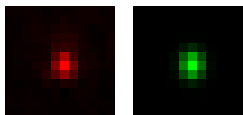
Coordinates : -35.7 μm (x), -20.1 μm (y), 59.8 μm (z)

Corresponding bead : Not found

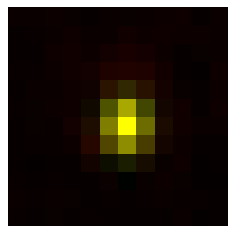
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	515 nm	537 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.803		
Theta	-90.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 682.485 (brightness)

B = 124.114 (background)

a = 0.783 px

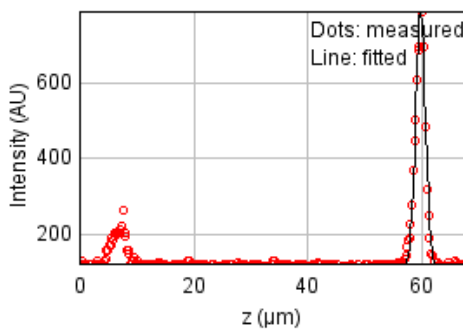
b = -0.000 px

c = 0.505 px

$x_c = 5.951$ px

$y_c = 5.914$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 170045.908

Standard deviation: 23.53498

R^2 : 0.94465

Parameters:

a = 119.77936

b = 789.10789

c = 59.79462

d = 0.84105

Bead 3554

Date : Mon Oct 17 13:54:27 PDT 2022

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

Frame size : 12 pixels

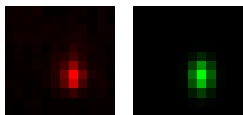
Coordinates : -30.8 μm (x), -23.0 μm (y), 59.8 μm (z)

Corresponding bead : Not found

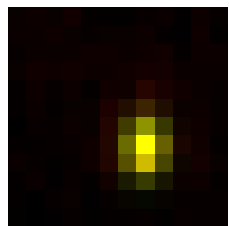
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	395 nm	270 nm
max	558 nm	582 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.68		
Theta	88.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 571.891$ (brightness)

$B = 124.167$ (background)

$a = 0.931$ px

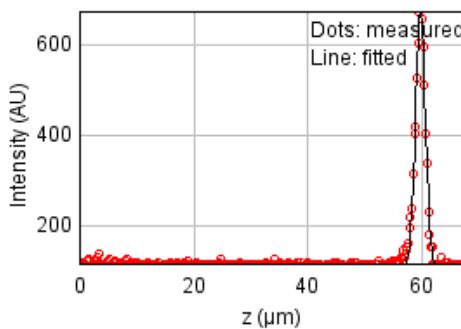
$b = 0.010$ px

$c = 0.430$ px

$x_c = 6.966$ 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: 23726.6796

Standard deviation: 8.79122

$R^2: 0.98859$

Parameters:

$a = 114.29117$

$b = 675.12208$

$c = 59.77323$

$d = 0.84919$

Bead 3555 (Rejected)

Date : Mon Oct 17 13:54:27 PDT 2022

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

Frame size : 12 pixels

Coordinates : 36.2 μm (x), -25.5 μm (y), 59.6 μm (z)

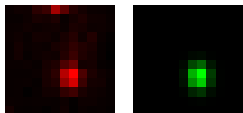
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

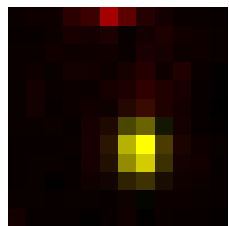
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	479 nm	499 nm	270 nm
z	2.09 μm	2.09 μm	1.3 μm
Asymmetry	0.802		
Theta	-88.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.790$



Parameters:

A = 487.629 (brightness)

B = 127.756 (background)

a = 0.909 px

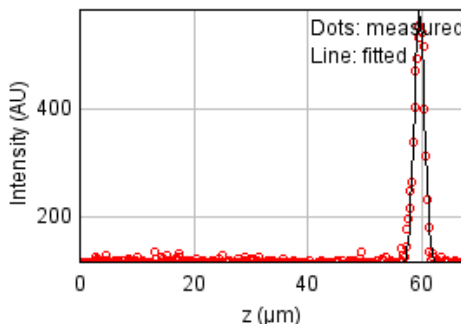
b = -0.009 px

c = 0.585 px

xc = 6.700 px

yc = 7.306 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32651.0533

Standard deviation: 10.31287

R^2 : 0.97860

Parameters:

a = 114.67745

b = 583.15701

c = 59.60303

d = 0.88564

Bead 3556

Date : Mon Oct 17 13:54:27 PDT 2022

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

Frame size : 12 pixels

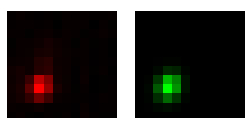
Coordinates : -82.5 μm (x), -27.6 μm (y), 24.1 μm (z)

Corresponding bead : Not found

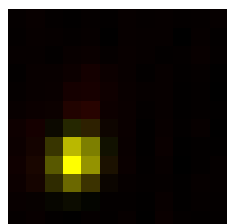
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	482 nm	502 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.826		
Theta	69.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 751.400 (brightness)

B = 124.177 (background)

a = 0.814 px

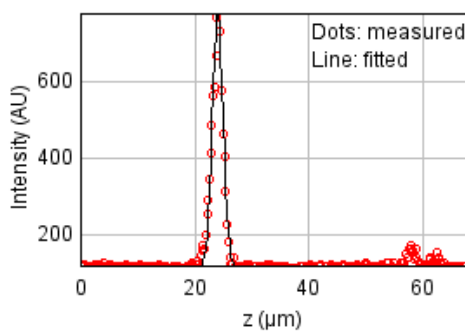
b = 0.091 px

c = 0.613 px

xc = 3.188 px

yc = 7.739 px

Z profile & fitting parameters:



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

Sum of residuals squared: 71549.1231

Standard deviation: 15.26627

R^2 : 0.97771

Parameters:

a = 116.23602

b = 779.24741

c = 24.10357

d = 0.93144

Bead 3557 (Rejected)

Date : Mon Oct 17 13:54:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : -80.4 μm (x), -28.4 μm (y), 60.3 μm (z)

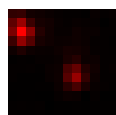
Corresponding bead : Not found

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	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

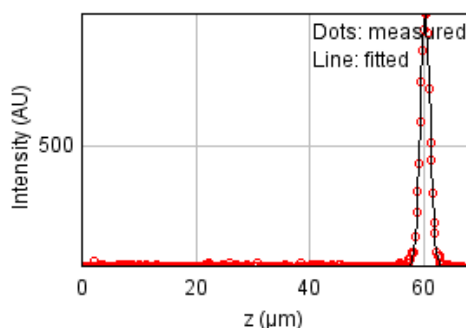
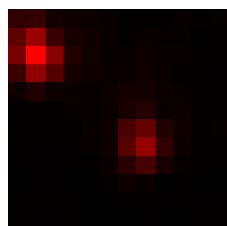
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 24619.0857

Standard deviation: 8.95502

R²: 0.99426

Parameters:

a = 113.53277

b = 926.67524

c = 60.27341

d = 0.83790

Bead 3558

Date : Mon Oct 17 13:54:28 PDT 2022

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

Frame size : 12 pixels

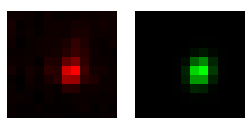
Coordinates : 60.0 μm (x), -28.7 μm (y), 59.6 μm (z)

Corresponding bead : Not found

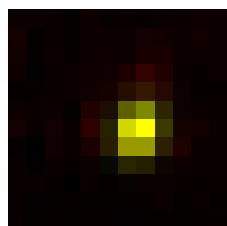
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	499 nm	520 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.794		
Theta	73.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 544.231$ (brightness)

$B = 123.071$ (background)

$a = 0.827$ px

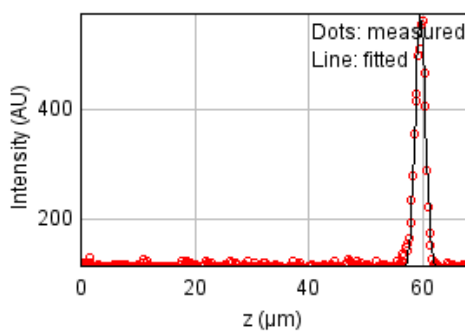
$b = 0.087$ px

$c = 0.564$ px

$x_c = 6.597$ px

$y_c = 6.116$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27178.6417

Standard deviation: 9.40903

$R^2: 0.98156$

Parameters:

$a = 113.10852$

$b = 575.81054$

$c = 59.58930$

$d = 0.87930$

Bead 3559

Date : Mon Oct 17 13:54:28 PDT 2022

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

Frame size : 12 pixels

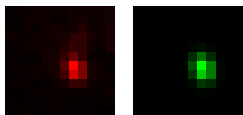
Coordinates : -3.49 μm (x), -33.2 μm (y), 59.8 μm (z)

Corresponding bead : Not found

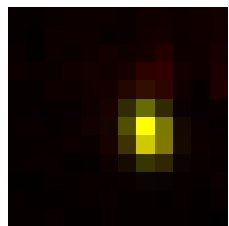
FWHM	Non corrected	Corrected	Theoretical
min	369 nm	384 nm	270 nm
max	508 nm	529 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.727		
Theta	-76.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 547.188 (brightness)

B = 124.296 (background)

a = 0.958 px

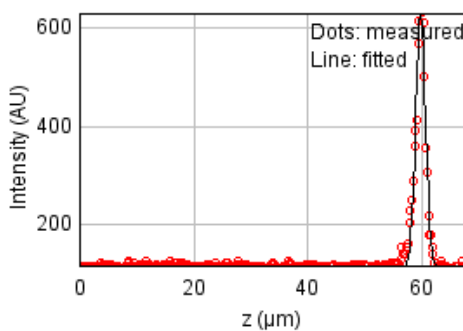
b = -0.109 px

c = 0.547 px

xc = 7.148 px

yc = 6.316 px

Z profile & fitting parameters:



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

Sum of residuals squared: 40860.5079

Standard deviation: 11.53673

R^2 : 0.97681

Parameters:

a = 114.93686

b = 629.11985

c = 59.81124

d = 0.84552

Bead 3560

Date : Mon Oct 17 13:54:28 PDT 2022

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

Frame size : 12 pixels

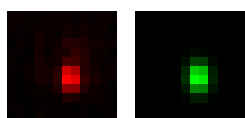
Coordinates : 23.0 μm (x), -41.9 μm (y), 59.7 μm (z)

Corresponding bead : Not found

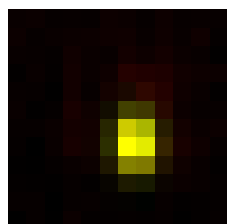
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	542 nm	564 nm	270 nm
z	2.34 μm	2.35 μm	1.3 μm
Asymmetry	0.717		
Theta	-88.3°		

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:

$A = 602.903$ (brightness)

$B = 121.816$ (background)

$a = 0.888$ px

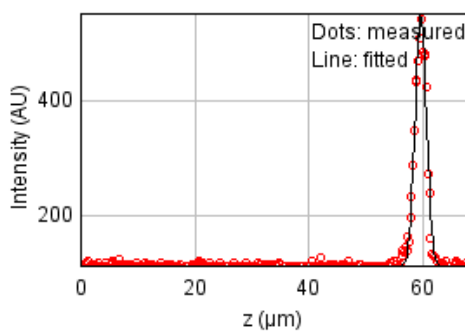
$b = -0.013$ px

$c = 0.458$ px

$x_c = 6.450$ px

$y_c = 6.764$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29084.0921

Standard deviation: 9.73327

$R^2: 0.98058$

Parameters:

$a = 113.28556$

$b = 553.28419$

$c = 59.66298$

$d = 0.99298$

Bead 3561 (Rejected)

Date : Mon Oct 17 13:54:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : -148 μm (x), -43.2 μm (y), 60.0 μm (z)

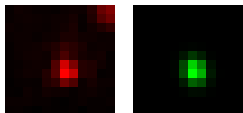
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

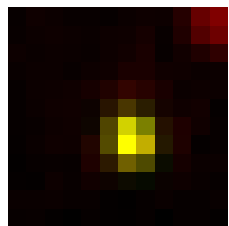
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	484 nm	505 nm	270 nm
z	2.25 μm	2.26 μm	1.3 μm
Asymmetry	0.837		
Theta	-76.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.778$



Parameters:

A = 665.487 (brightness)

B = 137.220 (background)

a = 0.802 px

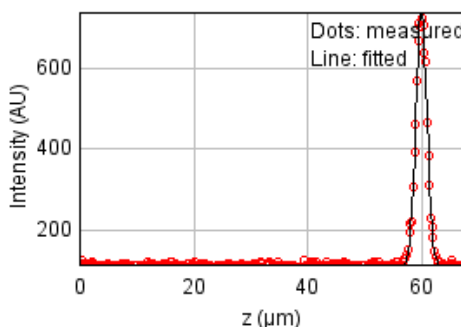
b = -0.057 px

c = 0.586 px

xc = 6.239 px

yc = 6.692 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18761.7234

Standard deviation: 7.81749

R^2 : 0.99364

Parameters:

a = 110.99161

b = 744.45761

c = 59.95466

d = 0.95442

Bead 3562

Date : Mon Oct 17 13:54:28 PDT 2022

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

Frame size : 12 pixels

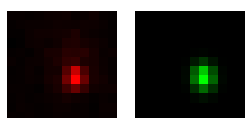
Coordinates : -19.8 μm (x), -43.6 μm (y), 60.0 μm (z)

Corresponding bead : Not found

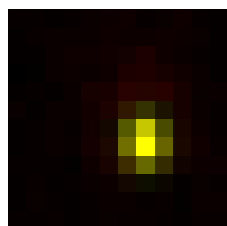
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	485 nm	505 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.802		
Theta	-86.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 680.417 (brightness)

B = 125.797 (background)

a = 0.886 px

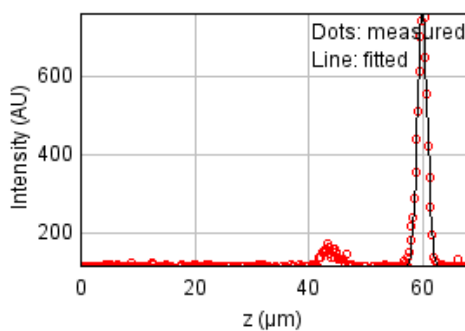
b = -0.018 px

c = 0.571 px

$x_c = 6.964$ px

$y_c = 6.717$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 49886.9958

Standard deviation: 12.74748

R^2 : 0.98230

Parameters:

a = 116.09450

b = 766.17550

c = 59.95287

d = 0.85122

Bead 3563

Date : Mon Oct 17 13:54:28 PDT 2022

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

Frame size : 12 pixels

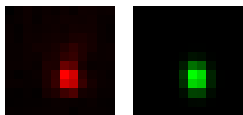
Coordinates : 7.13 μm (x), -48.4 μm (y), 60.1 μm (z)

Corresponding bead : Not found

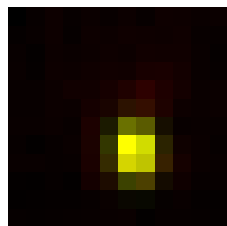
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	520 nm	541 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.765		
Theta	-84.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 925.811$ (brightness)

$B = 130.722$ (background)

$a = 0.845$ px

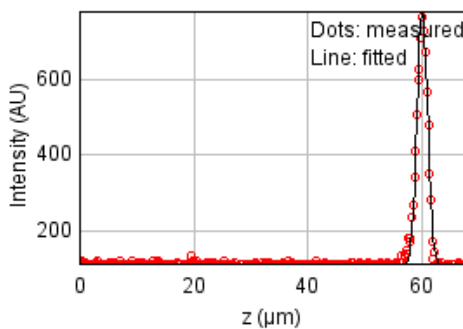
$b = -0.033$ px

$c = 0.500$ px

$x_c = 6.424$ px

$y_c = 7.347$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 35657.1076

Standard deviation: 10.77715

$R^2: 0.98865$

Parameters:

$a = 113.53168$

$b = 778.97390$

$c = 60.11714$

$d = 0.91471$

Bead 3564

Date : Mon Oct 17 13:54:28 PDT 2022

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

Frame size : 12 pixels

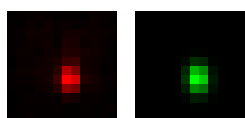
Coordinates : -5.86 μm (x), -50.0 μm (y), 59.9 μm (z)

Corresponding bead : Not found

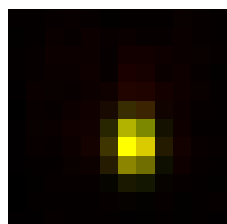
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	516 nm	537 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.746		
Theta	-87.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 877.683 (brightness)

B = 126.939 (background)

a = 0.905 px

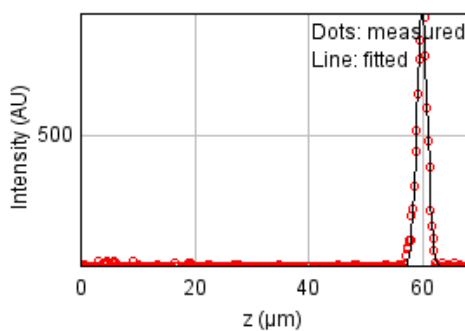
b = -0.017 px

c = 0.505 px

$x_c = 6.369$ px

$y_c = 6.869$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 33376.5904

Standard deviation: 10.42682

R^2 : 0.99152

Parameters:

a = 112.96106

b = 861.23295

c = 59.90765

d = 0.90867

Bead 3565

Date : Mon Oct 17 13:54:29 PDT 2022

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

Frame size : 12 pixels

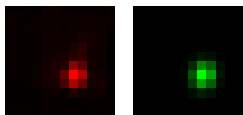
Coordinates : 41.2 μm (x), -50.9 μm (y), 60.0 μm (z)

Corresponding bead : Not found

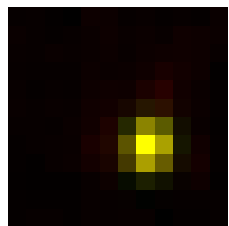
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	490 nm	510 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.839		
Theta	79.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 774.757$ (brightness)

$B = 127.732$ (background)

$a = 0.785$ px

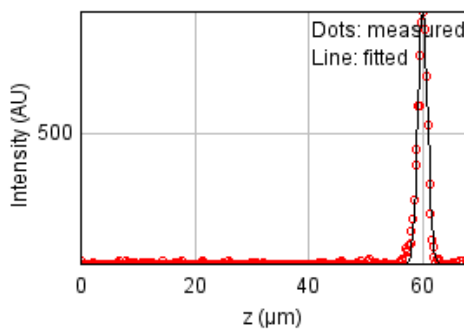
$b = 0.044$ px

$c = 0.567$ px

$x_c = 7.203$ px

$y_c = 7.064$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 59756.1665

Standard deviation: 13.95154

$R^2: 0.98386$

Parameters:

$a = 114.08458$

$b = 862.85695$

$c = 60.01376$

$d = 0.84382$

Bead 3566 (Rejected)

Date : Mon Oct 17 13:54:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : 7.66 μm (x), -54.4 μm (y), 58.9 μm (z)

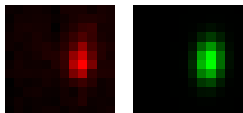
Corresponding bead : Not found

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

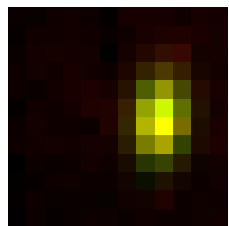
FWHM	Non corrected	Corrected	Theoretical
min	469 nm	489 nm	270 nm
max	759 nm	790 nm	270 nm
z	2.54 μm	2.55 μm	1.3 μm
Asymmetry	0.618		
Theta	85.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 261.538 (brightness)

B = 121.495 (background)

a = 0.607 px

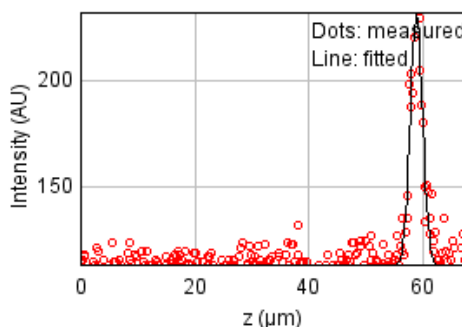
b = 0.032 px

c = 0.236 px

xc = 7.810 px

yc = 5.589 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15242.8053

Standard deviation: 7.04633

R^2 : 0.88484

Parameters:

a = 112.74468

b = 232.19966

c = 58.91685

d = 1.07979

Bead 3567

Date : Mon Oct 17 13:54:29 PDT 2022

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

Frame size : 12 pixels

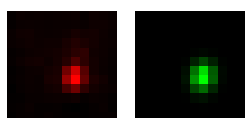
Coordinates : 12.5 μm (x), -57.2 μm (y), 60.0 μm (z)

Corresponding bead : Not found

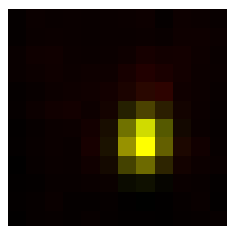
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	513 nm	534 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.807		
Theta	80.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 830.052 (brightness)

B = 130.595 (background)

a = 0.775 px

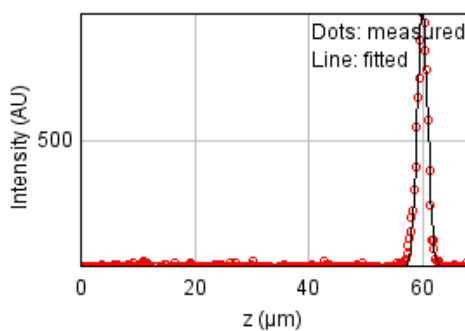
b = 0.045 px

c = 0.517 px

xc = 6.881 px

yc = 6.662 px

Z profile & fitting parameters:



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

Sum of residuals squared: 44636.1440

Standard deviation: 12.05797

R^2 : 0.98966

Parameters:

a = 114.13728

b = 896.36857

c = 59.95935

d = 0.90992

Bead 3568 (Rejected)

Date : Mon Oct 17 13:54:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : 30.1 μm (x), -59.5 μm (y), 60.2 μm (z)

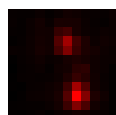
Corresponding bead : Not found

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	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

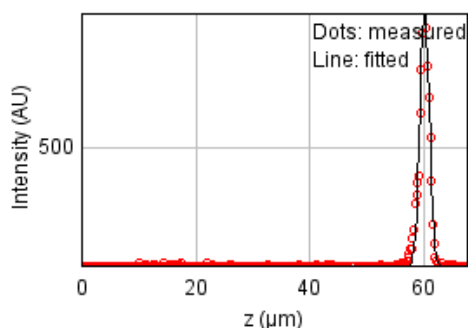
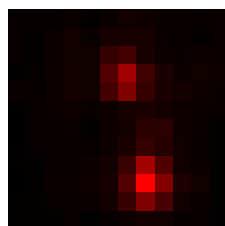
XY profile & fitting parameters :

(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: 53981.9328

Standard deviation: 13.26035

R²: 0.98762

Parameters:

a = 113.41048

b = 938.64006

c = 60.17515

d = 0.82016

Bead 3569

Date : Mon Oct 17 13:54:29 PDT 2022

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

Frame size : 12 pixels

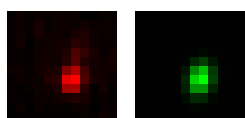
Coordinates : 106 μm (x), -60.4 μm (y), 59.7 μm (z)

Corresponding bead : Not found

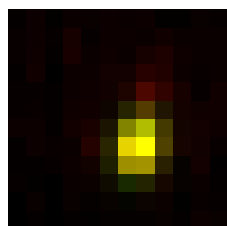
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	570 nm	594 nm	270 nm
z	2.21 μm	2.22 μm	1.3 μm
Asymmetry	0.721		
Theta	77.1°		

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 = 516.687 (brightness)

B = 122.473 (background)

a = 0.775 px

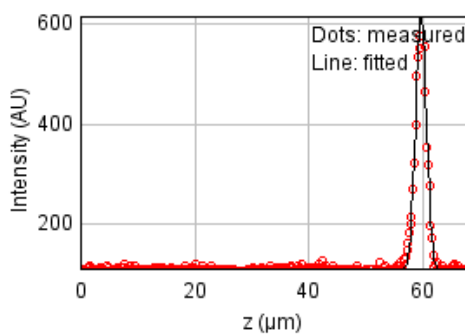
b = 0.083 px

c = 0.432 px

xc = 6.631 px

yc = 6.926 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21328.8377

Standard deviation: 8.33517

R^2 : 0.98846

Parameters:

a = 111.86301

b = 615.34773

c = 59.71346

d = 0.94049

Bead 3570 (Rejected)

Date : Mon Oct 17 13:54:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : 101 μm (x), -64.8 μm (y), 56.1 μm (z)

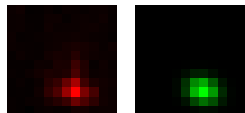
Corresponding bead : Not found

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

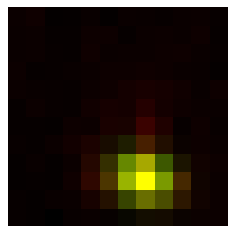
FWHM	Non corrected	Corrected	Theoretical
min	454 nm	473 nm	270 nm
max	576 nm	600 nm	270 nm
z	3.44 μm	3.45 μm	1.3 μm
Asymmetry	0.789		
Theta	-17.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.923$



Parameters:

A = 452.461 (brightness)

B = 122.595 (background)

a = 0.426 px

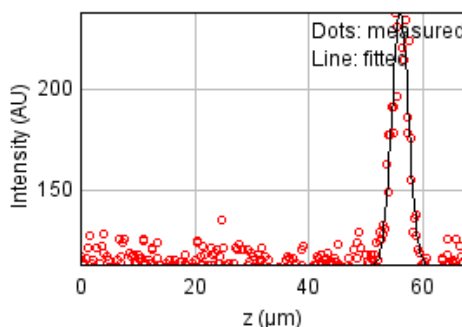
b = -0.071 px

c = 0.628 px

xc = 6.882 px

yc = 8.820 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19108.5622

Standard deviation: 7.88942

R^2 : 0.90137

Parameters:

a = 112.03774

b = 238.84877

c = 56.05293

d = 1.45923

Bead 3571

Date : Mon Oct 17 13:54:30 PDT 2022

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

Frame size : 12 pixels

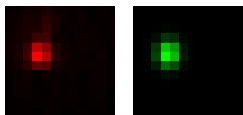
Coordinates : -9.61 μm (x), -63.4 μm (y), 45.7 μm (z)

Corresponding bead : Not found

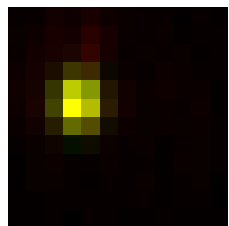
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	421 nm	270 nm
max	493 nm	514 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.82		
Theta	88.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 604.247 (brightness)

B = 119.239 (background)

a = 0.820 px

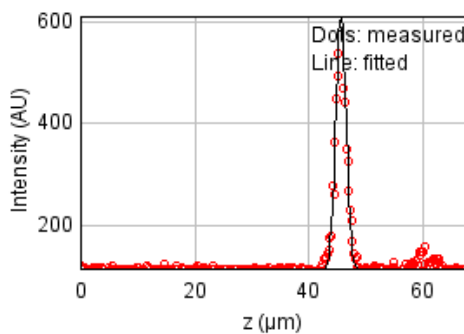
b = 0.006 px

c = 0.551 px

$x_c = 3.313$ px

$y_c = 4.701$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 42769.3317

Standard deviation: 11.80313

R^2 : 0.97520

Parameters:

a = 115.27065

b = 611.06715

c = 45.68638

d = 0.89089

Bead 3572

Date : Mon Oct 17 13:54:30 PDT 2022

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

Frame size : 12 pixels

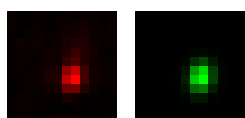
Coordinates : 33.8 μm (x), -66.5 μm (y), 60.1 μm (z)

Corresponding bead : Not found

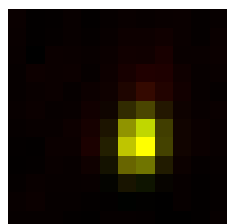
FWHM	Non corrected	Corrected	Theoretical
min	406 nm	423 nm	270 nm
max	534 nm	557 nm	270 nm
z	2.2 μm	2.2 μm	1.3 μm
Asymmetry	0.76		
Theta	80.3°		

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:

$A = 914.316$ (brightness)

$B = 133.999$ (background)

$a = 0.804$ px

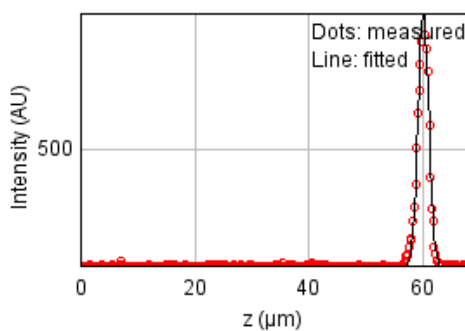
$b = 0.057$ px

$c = 0.479$ px

$x_c = 6.680$ px

$y_c = 6.719$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 39913.7424

Standard deviation: 11.40229

$R^2: 0.99225$

Parameters:

$a = 113.07648$

$b = 958.75040$

$c = 60.13591$

$d = 0.93254$

Bead 3573

Date : Mon Oct 17 13:54:30 PDT 2022

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

Frame size : 12 pixels

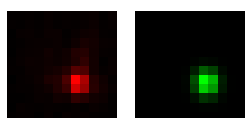
Coordinates : 74.0 μm (x), -92.6 μm (y), 60.1 μm (z)

Corresponding bead : Not found

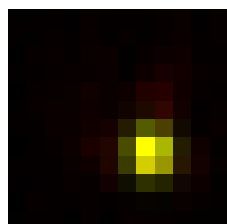
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	464 nm	483 nm	270 nm
z	1.94 μm	1.94 μm	1.3 μm
Asymmetry	0.894		
Theta	-86.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1006.689$ (brightness)

$B = 133.324$ (background)

$a = 0.780$ px

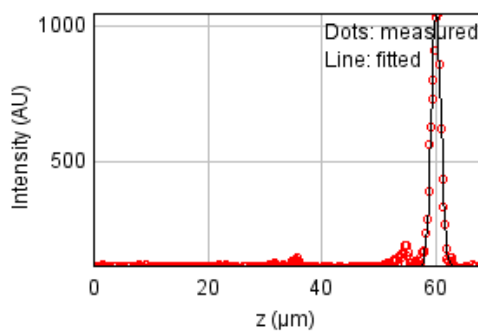
$b = -0.010$ px

$c = 0.624$ px

$x_c = 7.287$ px

$y_c = 7.332$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 121053.824

Standard deviation: 19.85729

$R^2: 0.97832$

Parameters:

$a = 117.83883$

$b = 1045.87581$

$c = 60.08962$

$d = 0.82256$

Bead 3574 (Rejected)

Date : Mon Oct 17 13:54:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : -128 μm (x), -94.9 μm (y), 57.0 μm (z)

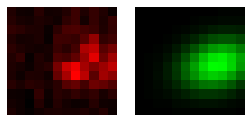
Corresponding bead : Not found

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

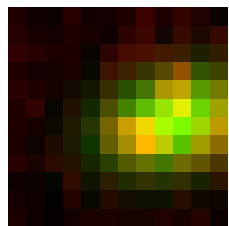
FWHM	Non corrected	Corrected	Theoretical
min	906 nm	944 nm	270 nm
max	1.36 μm	1.42 μm	270 nm
z	3.13 μm	3.14 μm	1.3 μm
Asymmetry	0.664		
Theta	15.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.760$



Parameters:

A = 91.088 (brightness)

B = 113.020 (background)

a = 0.079 px

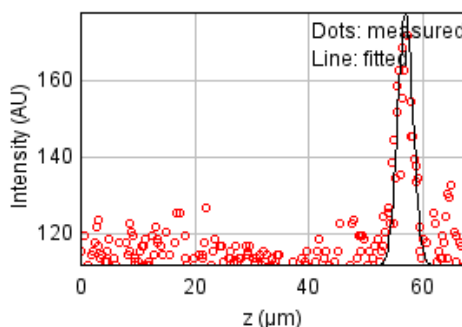
b = 0.024 px

c = 0.157 px

xc = 8.538 px

yc = 5.742 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15210.5087

Standard deviation: 7.03887

R^2 : 0.73977

Parameters:

a = 111.97798

b = 177.84580

c = 56.97607

d = 1.32952

Bead 3575 (Rejected)

Date : Mon Oct 17 13:54:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : 140 μm (x), 94.9 μm (y), 56.6 μm (z)

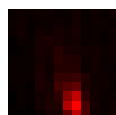
Corresponding bead : Not found

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	3.74 μm	3.75 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

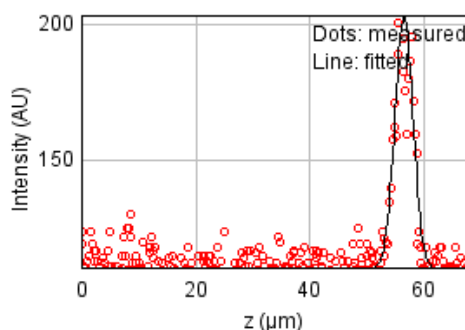
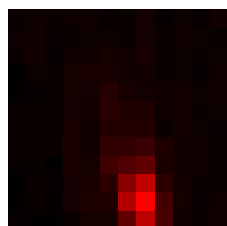
XY profile & fitting parameters :

(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: 18287.9646

Standard deviation: 7.71816

R²: 0.84747

Parameters:

a = 109.98408

b = 203.10019

c = 56.55264

d = 1.58623

Bead 3576

Date : Mon Oct 17 13:54:30 PDT 2022

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

Frame size : 12 pixels

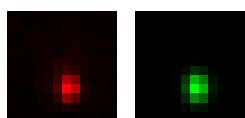
Coordinates : 16.3 μm (x), 86.4 μm (y), 55.5 μm (z)

Corresponding bead : Not found

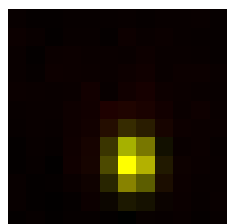
FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	509 nm	530 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.804		
Theta	-87.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 976.700 (brightness)

B = 130.617 (background)

a = 0.802 px

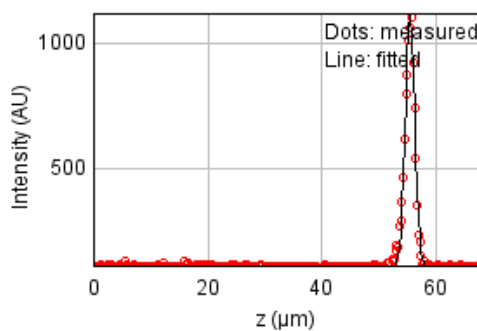
b = -0.014 px

c = 0.519 px

xc = 6.268 px

yc = 7.864 px

Z profile & fitting parameters:



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

Sum of residuals squared: 63440.1308

Standard deviation: 14.37517

R^2 : 0.99010

Parameters:

a = 114.78969

b = 1118.68208

c = 55.50966

d = 0.81585

Bead 3577 (Rejected)

Date : Mon Oct 17 13:54:31 PDT 2022

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

Frame size : 12 pixels

Coordinates : -16.7 μm (x), 60.6 μm (y), 58.1 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	5.39 μm	5.41 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

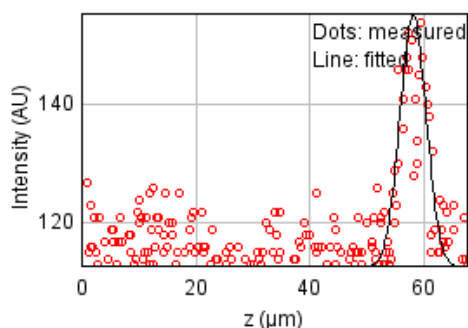
XY profile & fitting parameters :

(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: 15718.9699

Standard deviation: 7.15555

R²: 0.65185

Parameters:

a = 112.62104

b = 155.19327

c = 58.14343

d = 2.28991

Bead 3578

Date : Mon Oct 17 13:54:31 PDT 2022

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

Frame size : 12 pixels

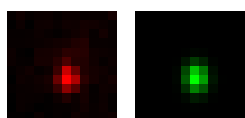
Coordinates : -145 μm (x), 33.2 μm (y), 59.6 μm (z)

Corresponding bead : Not found

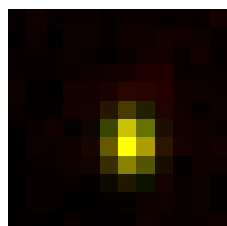
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	532 nm	554 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.784		
Theta	-86.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 371.902 (brightness)

B = 118.862 (background)

a = 0.771 px

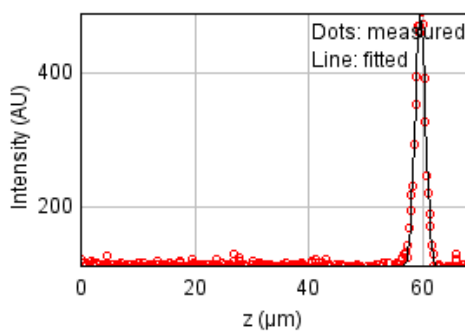
b = -0.017 px

c = 0.475 px

xc = 6.179 px

yc = 6.795 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16555.6217

Standard deviation: 7.34351

R^2 : 0.98353

Parameters:

a = 111.32167

b = 489.50720

c = 59.57532

d = 0.90066

Bead 3579

Date : Mon Oct 17 13:54:31 PDT 2022

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

Frame size : 12 pixels

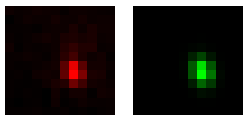
Coordinates : -158 μm (x), 29.7 μm (y), 59.8 μm (z)

Corresponding bead : Not found

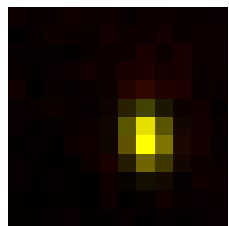
FWHM	Non corrected	Corrected	Theoretical
min	372 nm	387 nm	270 nm
max	511 nm	533 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.727		
Theta	-78.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 422.849 (brightness)

B = 119.125 (background)

a = 0.950 px

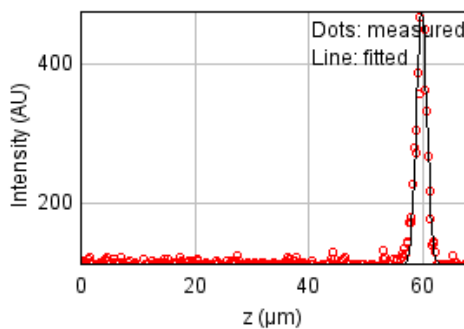
b = -0.093 px

c = 0.533 px

$x_c = 7.055$ px

$y_c = 6.636$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 39107.8004

Standard deviation: 11.28658

R^2 : 0.95958

Parameters:

a = 111.08361

b = 476.13434

c = 59.82579

d = 0.90790

Bead 3580

Date : Mon Oct 17 13:54:31 PDT 2022

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

Frame size : 12 pixels

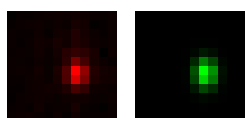
Coordinates : -117 μm (x), 27.3 μm (y), 59.5 μm (z)

Corresponding bead : Not found

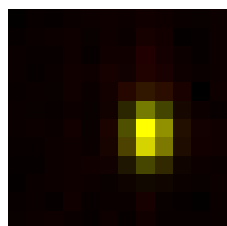
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	411 nm	270 nm
max	539 nm	561 nm	270 nm
z	1.89 μm	1.9 μm	1.3 μm
Asymmetry	0.732		
Theta	-89.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 468.896 (brightness)

B = 119.794 (background)

a = 0.863 px

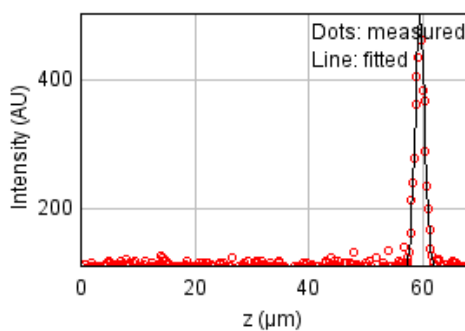
b = -0.004 px

c = 0.463 px

$x_c = 7.173$ px

$y_c = 6.300$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22094.5611

Standard deviation: 8.48347

R^2 : 0.97737

Parameters:

a = 112.40451

b = 504.98148

c = 59.51824

d = 0.80225

Bead 3581

Date : Mon Oct 17 13:54:31 PDT 2022

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

Frame size : 12 pixels

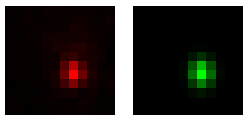
Coordinates : -134 μm (x), 20.4 μm (y), 59.8 μm (z)

Corresponding bead : Not found

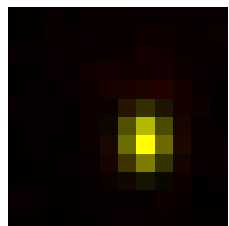
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	505 nm	526 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.778		
Theta	-89.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 588.218 (brightness)

B = 121.752 (background)

a = 0.868 px

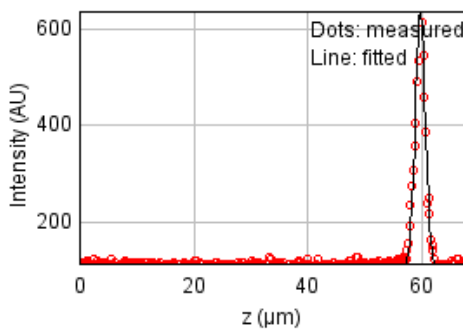
b = -0.003 px

c = 0.526 px

$x_c = 6.986$ px

$y_c = 6.804$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38915.1369

Standard deviation: 11.25875

R^2 : 0.97897

Parameters:

a = 111.97007

b = 636.96283

c = 59.75443

d = 0.85398

Bead 3582 (Rejected)

Date : Mon Oct 17 13:54:31 PDT 2022

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

Frame size : 12 pixels

Coordinates : -139 μm (x), 17.7 μm (y), 59.3 μm (z)

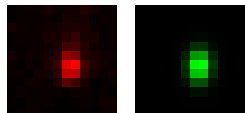
Corresponding bead : Not found

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

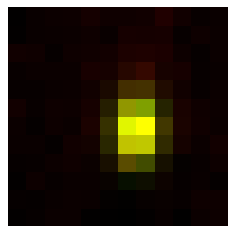
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	613 nm	638 nm	270 nm
z	4.33 μm	4.35 μm	1.3 μm
Asymmetry	0.672		
Theta	88.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 480.772 (brightness)

B = 122.211 (background)

a = 0.793 px

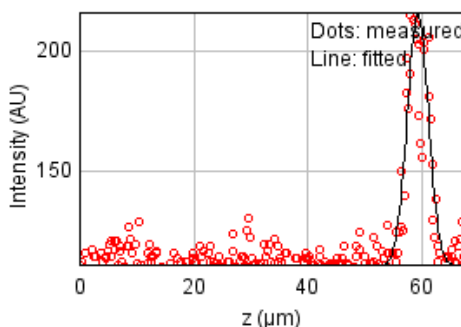
b = 0.008 px

c = 0.358 px

xc = 6.522 px

yc = 6.165 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28777.6890

Standard deviation: 9.68186

R^2 : 0.83650

Parameters:

a = 110.86797

b = 215.70294

c = 59.32442

d = 1.83988

Bead 3583

Date : Mon Oct 17 13:54:31 PDT 2022

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

Frame size : 12 pixels

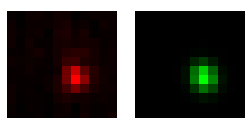
Coordinates : -106 μm (x), 15.1 μm (y), 59.8 μm (z)

Corresponding bead : Not found

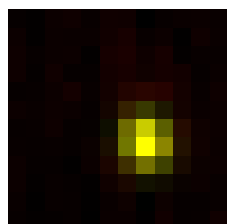
FWHM	Non corrected	Corrected	Theoretical
min	431 nm	449 nm	270 nm
max	514 nm	535 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.839		
Theta	-74.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 442.340 (brightness)

B = 121.198 (background)

a = 0.707 px

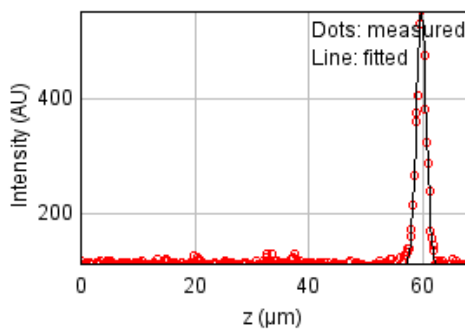
b = -0.056 px

c = 0.524 px

$x_c = 7.017$ 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: 20890.6042

Standard deviation: 8.24910

R^2 : 0.98376

Parameters:

a = 113.07574

b = 552.09619

c = 59.75631

d = 0.85318

Bead 3584

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

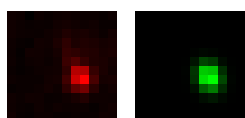
Coordinates : -94.9 μm (x), 12.3 μm (y), 59.5 μm (z)

Corresponding bead : Not found

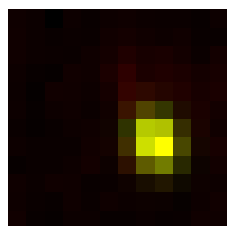
FWHM	Non corrected	Corrected	Theoretical
min	426 nm	443 nm	270 nm
max	536 nm	558 nm	270 nm
z	2.45 μm	2.46 μm	1.3 μm
Asymmetry	0.794		
Theta	-70.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 445.025 (brightness)

B = 120.880 (background)

a = 0.709 px

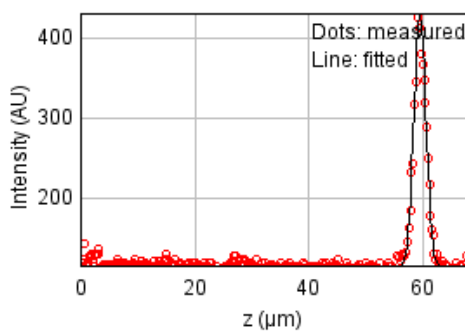
b = -0.087 px

c = 0.498 px

$x_c = 7.556$ px

$y_c = 6.699$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22633.7385

Standard deviation: 8.58636

R^2 : 0.97267

Parameters:

a = 113.55747

b = 432.57460

c = 59.51833

d = 1.03893

Bead 3585 (Rejected)

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

Coordinates : -130 μm (x), 11.8 μm (y), 59.2 μm (z)

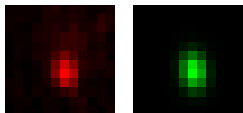
Corresponding bead : Not found

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

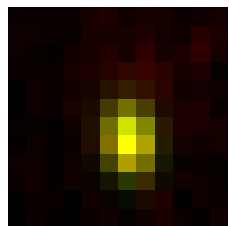
FWHM	Non corrected	Corrected	Theoretical
min	459 nm	479 nm	270 nm
max	679 nm	708 nm	270 nm
z	4.07 μm	4.08 μm	1.3 μm
Asymmetry	0.676		
Theta	-83.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 278.479 (brightness)

B = 120.243 (background)

a = 0.632 px

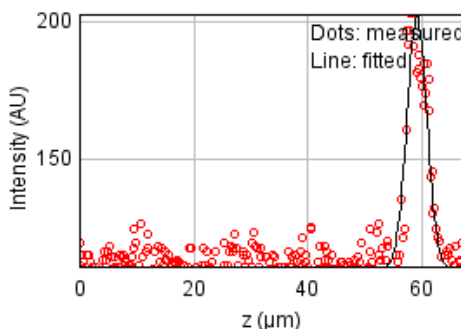
b = -0.038 px

c = 0.295 px

xc = 6.128 px

yc = 6.717 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16863.9808

Standard deviation: 7.41158

R^2 : 0.86210

Parameters:

a = 110.99663

b = 202.25958

c = 59.16757

d = 1.72724

Bead 3586

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

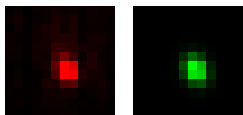
Coordinates : -120 μm (x), 226 nm (y), 59.9 μm (z)

Corresponding bead : Not found

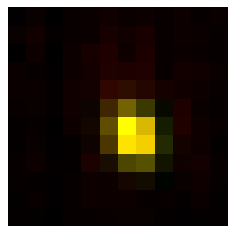
FWHM	Non corrected	Corrected	Theoretical
min	406 nm	422 nm	270 nm
max	527 nm	549 nm	270 nm
z	2.03 μm	2.04 μm	1.3 μm
Asymmetry	0.769		
Theta	-67.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 575.579$ (brightness)

$B = 121.101$ (background)

$a = 0.766$ px

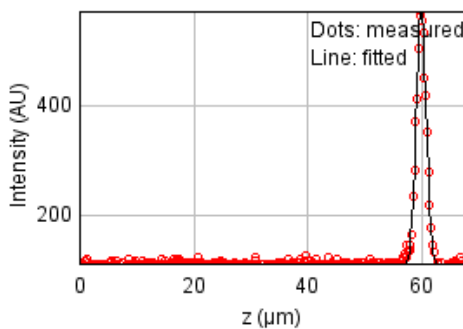
$b = -0.119$ px

$c = 0.533$ px

$x_c = 6.357$ px

$y_c = 6.471$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 14395.2371

Standard deviation: 6.84763

$R^2: 0.98976$

Parameters:

$a = 112.38629$

$b = 570.17497$

$c = 59.91911$

$d = 0.86313$

Bead 3587

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

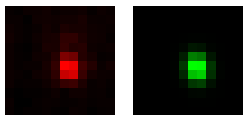
Coordinates : -98.0 μm (x), -2.59 μm (y), 59.8 μm (z)

Corresponding bead : Not found

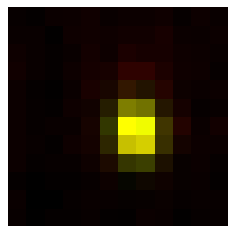
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	524 nm	545 nm	270 nm
z	2.21 μm	2.22 μm	1.3 μm
Asymmetry	0.79		
Theta	-81.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 615.562 (brightness)

B = 123.341 (background)

a = 0.777 px

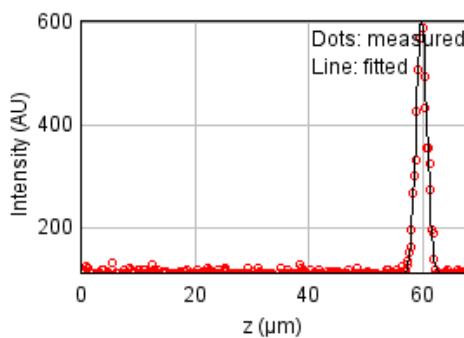
b = -0.044 px

c = 0.496 px

$x_c = 6.505$ px

$y_c = 6.258$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31877.8002

Standard deviation: 10.19002

R^2 : 0.98187

Parameters:

a = 113.02733

b = 602.99317

c = 59.78917

d = 0.93892

Bead 3588

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

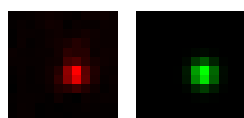
Coordinates : -71.8 μm (x), -4.6 μm (y), 60.0 μm (z)

Corresponding bead : Not found

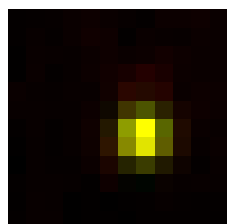
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	469 nm	488 nm	270 nm
z	1.8 μm	1.8 μm	1.3 μm
Asymmetry	0.931		
Theta	-83.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 668.291 (brightness)

B = 123.357 (background)

a = 0.702 px

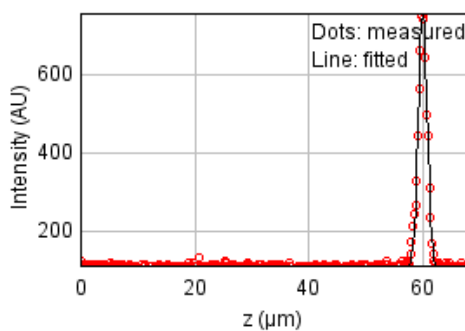
b = -0.010 px

c = 0.611 px

$x_c = 6.853$ px

$y_c = 6.403$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24172.4572

Standard deviation: 8.87342

R^2 : 0.99022

Parameters:

a = 112.98417

b = 756.95658

c = 60.02108

d = 0.76335

Bead 3589

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

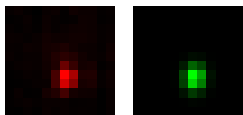
Coordinates : -78.9 μm (x), -12.7 μm (y), 60.0 μm (z)

Corresponding bead : Not found

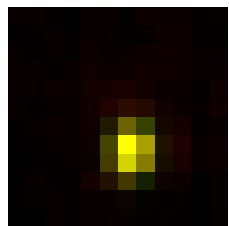
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	487 nm	508 nm	270 nm
z	1.86 μm	1.87 μm	1.3 μm
Asymmetry	0.798		
Theta	84.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 649.426 (brightness)

B = 124.795 (background)

a = 0.884 px

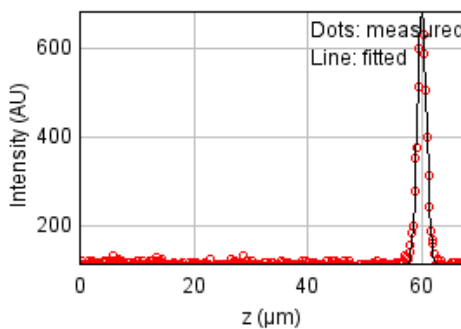
b = 0.032 px

c = 0.568 px

$x_c = 6.226$ px

$y_c = 7.323$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21681.0369

Standard deviation: 8.40371

R^2 : 0.98920

Parameters:

a = 113.96207

b = 684.44901

c = 60.03659

d = 0.79011

Bead 3590

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

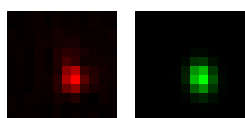
Coordinates : -114 μm (x), -14.8 μm (y), 60.4 μm (z)

Corresponding bead : Not found

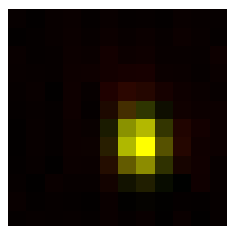
FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	542 nm	565 nm	270 nm
z	1.86 μm	1.87 μm	1.3 μm
Asymmetry	0.78		
Theta	-79.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 616.563 (brightness)

B = 125.408 (background)

a = 0.741 px

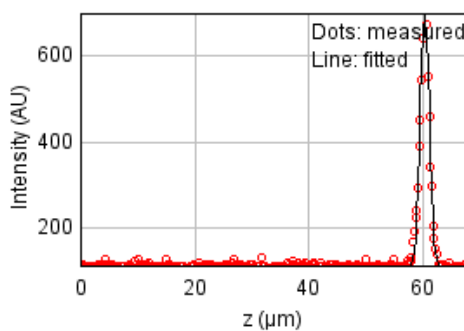
b = -0.052 px

c = 0.465 px

$x_c = 6.711$ px

$y_c = 6.821$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24154.6983

Standard deviation: 8.87016

R^2 : 0.98866

Parameters:

a = 113.16770

b = 700.07954

c = 60.37450

d = 0.79142

Bead 3591

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

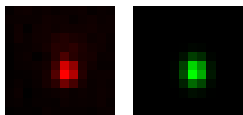
Coordinates : -90.8 μm (x), -19.0 μm (y), 60.0 μm (z)

Corresponding bead : Not found

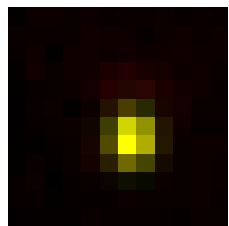
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	500 nm	521 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.815		
Theta	88.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 631.084 (brightness)

B = 122.619 (background)

a = 0.808 px

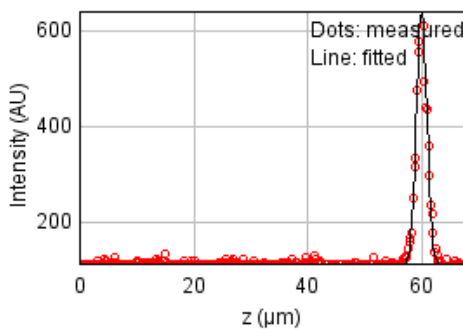
b = 0.007 px

c = 0.537 px

xc = 6.257 px

yc = 6.660 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33304.9009

Standard deviation: 10.41561

R^2 : 0.98332

Parameters:

a = 113.03303

b = 642.26940

c = 59.99834

d = 0.91390

Bead 3592

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

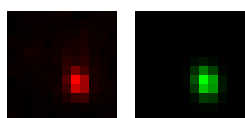
Coordinates : -48.6 μm (x), -24.2 μm (y), 59.9 μm (z)

Corresponding bead : Not found

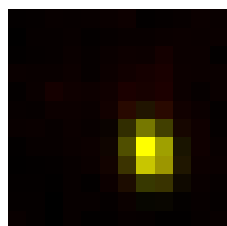
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	415 nm	270 nm
max	529 nm	551 nm	270 nm
z	2.03 μm	2.04 μm	1.3 μm
Asymmetry	0.753		
Theta	-74.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 637.121$ (brightness)

$B = 124.809$ (background)

$a = 0.820$ px

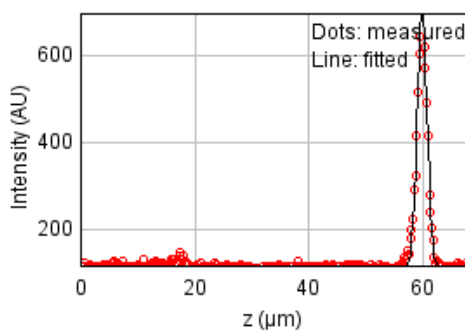
$b = -0.092$ px

$c = 0.504$ px

$x_c = 7.249$ px

$y_c = 7.292$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25143.0631

Standard deviation: 9.04982

$R^2: 0.98903$

Parameters:

$a = 114.10393$

$b = 698.63329$

$c = 59.90613$

$d = 0.86216$

Bead 3593

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

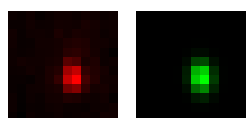
Coordinates : -21.2 μm (x), -41.2 μm (y), 59.9 μm (z)

Corresponding bead : Not found

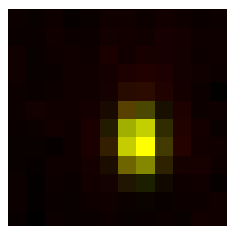
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	564 nm	587 nm	270 nm
z	2.17 μm	2.18 μm	1.3 μm
Asymmetry	0.704		
Theta	-85.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 507.937$ (brightness)

$B = 124.762$ (background)

$a = 0.849$ px

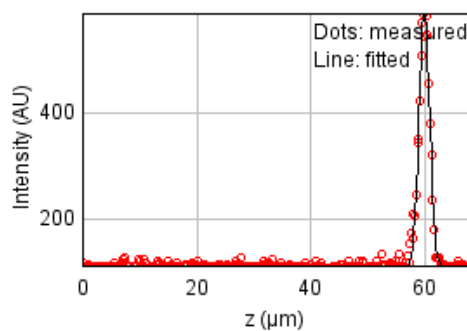
$b = -0.032$ px

$c = 0.425$ px

$x_c = 6.622$ px

$y_c = 6.718$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25977.4054

Standard deviation: 9.19875

$R^2: 0.98393$

Parameters:

$a = 113.18873$

$b = 587.70557$

$c = 59.94662$

$d = 0.92145$

Bead 3594 (Rejected)

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

Coordinates : 50.2 μm (x), -42.6 μm (y), 59.7 μm (z)

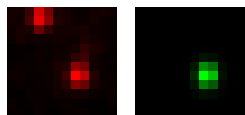
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

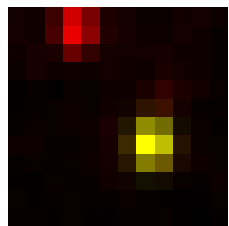
FWHM	Non corrected	Corrected	Theoretical
min	356 nm	371 nm	270 nm
max	451 nm	470 nm	270 nm
z	1.92 μm	1.92 μm	1.3 μm
Asymmetry	0.789		
Theta	87.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.489$



Parameters:

A = 651.126 (brightness)

B = 148.007 (background)

a = 1.060 px

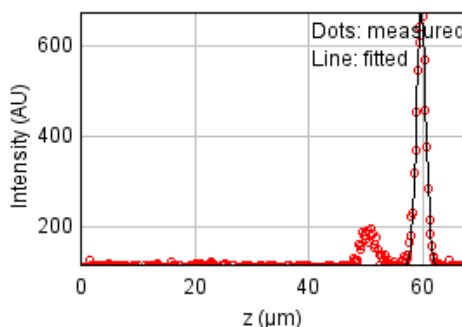
b = 0.016 px

c = 0.661 px

xc = 7.361 px

yc = 6.946 px

Z profile & fitting parameters:



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

Sum of residuals squared: 85827.3450

Standard deviation: 16.72028

R^2 : 0.95848

Parameters:

a = 117.28990

b = 679.02145

c = 59.73566

d = 0.81399

Bead 3595

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

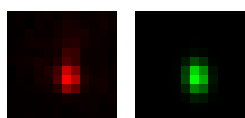
Coordinates : 7.98 μm (x), -43.0 μm (y), 59.7 μm (z)

Corresponding bead : Not found

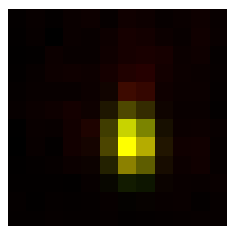
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	412 nm	270 nm
max	555 nm	578 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.713		
Theta	-85.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 622.822 (brightness)

B = 123.195 (background)

a = 0.855 px

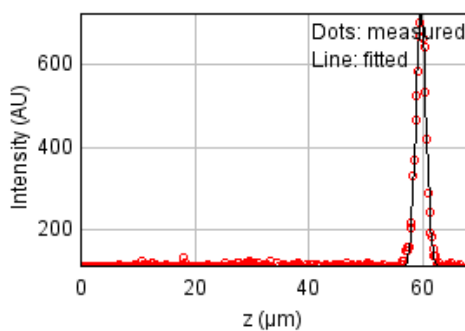
b = -0.032 px

c = 0.439 px

$x_c = 6.257$ px

$y_c = 6.740$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28549.7697

Standard deviation: 9.64344

R^2 : 0.98888

Parameters:

a = 113.14497

b = 722.78362

c = 59.69652

d = 0.88904

Bead 3596

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

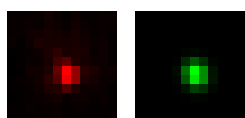
Coordinates : -154 μm (x), -46.8 μm (y), 59.9 μm (z)

Corresponding bead : Not found

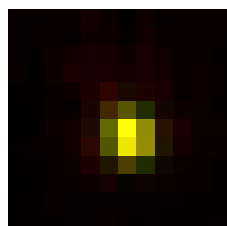
FWHM	Non corrected	Corrected	Theoretical
min	421 nm	439 nm	270 nm
max	482 nm	502 nm	270 nm
z	1.9 μm	1.91 μm	1.3 μm
Asymmetry	0.873		
Theta	-69.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 613.824$ (brightness)

$B = 123.753$ (background)

$a = 0.734$ px

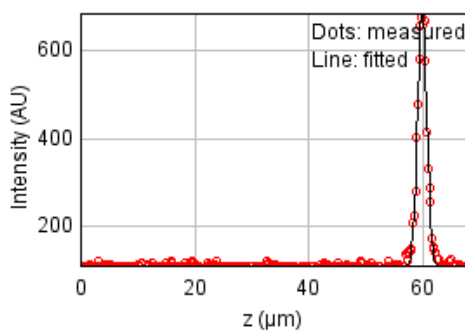
$b = -0.059$ px

$c = 0.599$ px

$x_c = 6.128$ px

$y_c = 6.425$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21824.3016

Standard deviation: 8.43143

$R^2 = 0.98946$

Parameters:

$a = 111.11317$

$b = 684.13157$

$c = 59.91896$

$d = 0.80844$

Bead 3597

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

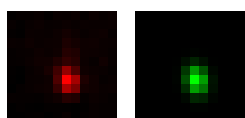
Coordinates : -17.6 μm (x), -52.3 μm (y), 60.2 μm (z)

Corresponding bead : Not found

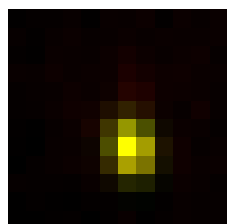
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	530 nm	552 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.749		
Theta	-77.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 774.569 (brightness)

B = 128.562 (background)

a = 0.835 px

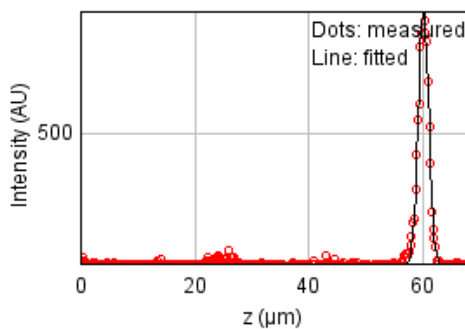
b = -0.078 px

c = 0.495 px

xc = 6.214 px

yc = 7.062 px

Z profile & fitting parameters:



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

Sum of residuals squared: 37390.5222

Standard deviation: 11.03600

R^2 : 0.99046

Parameters:

a = 115.06452

b = 862.76317

c = 60.15513

d = 0.90422

Bead 3598 (Rejected)

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

Coordinates : -130 μm (x), -54.2 μm (y), 40.6 μm (z)

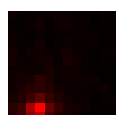
Corresponding bead : Not found

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	3.54 μm	3.55 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

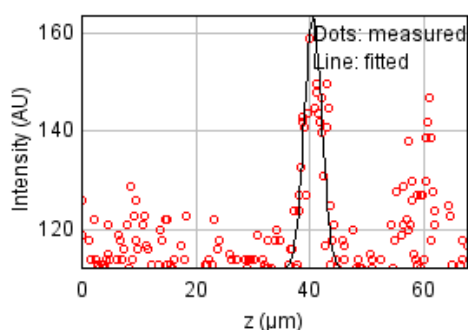
XY profile & fitting parameters :

(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: 20973.4086

Standard deviation: 8.26543

R²: 0.58578

Parameters:

a = 112.03738

b = 163.61994

c = 40.63703

d = 1.50155

Bead 3599

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

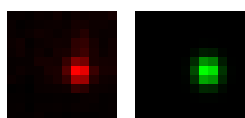
Coordinates : 27.4 μm (x), -58.9 μm (y), 60.1 μm (z)

Corresponding bead : Not found

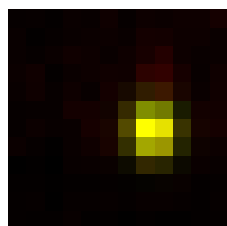
FWHM	Non corrected	Corrected	Theoretical
min	443 nm	462 nm	270 nm
max	514 nm	535 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.863		
Theta	-85.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 602.212 (brightness)

B = 124.938 (background)

a = 0.682 px

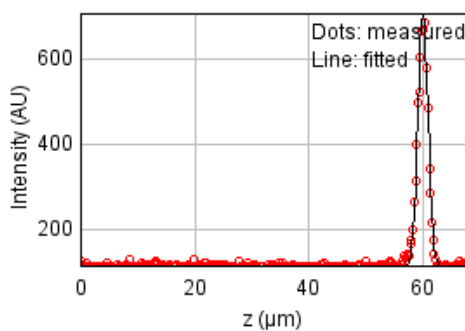
b = -0.013 px

c = 0.510 px

$x_c = 7.409$ px

$y_c = 6.089$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27956.1508

Standard deviation: 9.54266

R^2 : 0.98848

Parameters:

a = 113.13707

b = 707.87778

c = 60.05556

d = 0.88289

Bead 3600

Date : Mon Oct 17 13:54:32 PDT 2022

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

Frame size : 12 pixels

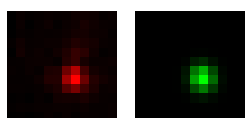
Coordinates : 113 μm (x), -59.7 μm (y), 59.8 μm (z)

Corresponding bead : Not found

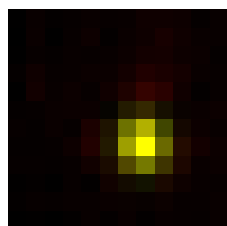
FWHM	Non corrected	Corrected	Theoretical
min	443 nm	461 nm	270 nm
max	492 nm	512 nm	270 nm
z	1.97 μm	1.97 μm	1.3 μm
Asymmetry	0.901		
Theta	-80.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 500.695 (brightness)

B = 123.728 (background)

a = 0.681 px

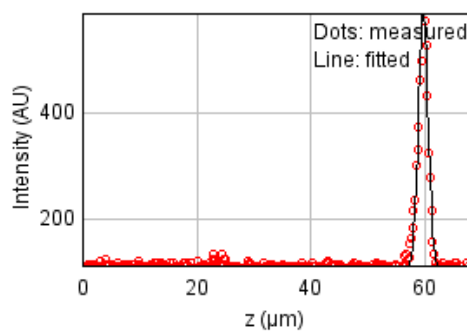
b = -0.020 px

c = 0.559 px

$x_c = 6.845$ px

$y_c = 6.826$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29298.0882

Standard deviation: 9.76901

R^2 : 0.98036

Parameters:

a = 111.91310

b = 588.74943

c = 59.75170

d = 0.83468