

Bead 2901

Date : Mon Oct 17 13:53:46 PDT 2022

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

Frame size : 12 pixels

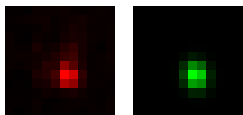
Coordinates : 63.4 μm (x), -62.2 μm (y), 55.6 μm (z)

Corresponding bead : Not found

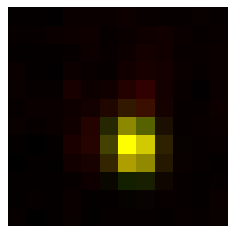
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	494 nm	515 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.83		
Theta	-79.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 772.097$ (brightness)

$B = 125.718$ (background)

$a = 0.789$ px

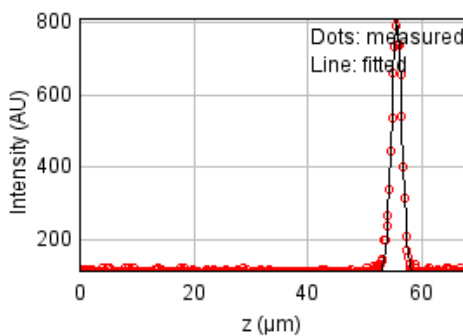
$b = -0.045$ px

$c = 0.558$ px

$x_c = 6.358$ px

$y_c = 7.096$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24027.1657

Standard deviation: 8.84672

$R^2: 0.99277$

Parameters:

$a = 112.08678$

$b = 810.71597$

$c = 55.62067$

$d = 0.87993$

Bead 2902

Date : Mon Oct 17 13:53:46 PDT 2022

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

Frame size : 12 pixels

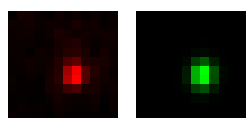
Coordinates : -76.8 μm (x), -71.1 μm (y), 55.0 μm (z)

Corresponding bead : Not found

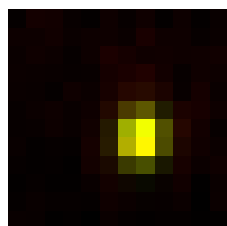
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	493 nm	513 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.845		
Theta	85.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 492.413$ (brightness)

$B = 121.087$ (background)

$a = 0.772$ px

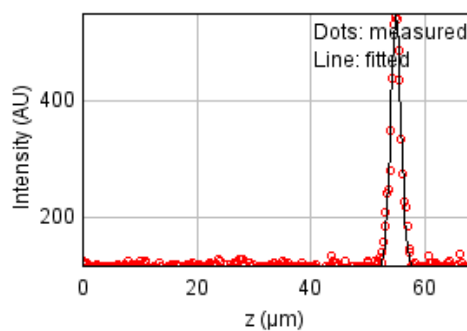
$b = 0.016$ px

$c = 0.554$ px

$x_c = 6.736$ px

$y_c = 6.477$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29654.9495

Standard deviation: 9.82832

$R^2: 0.97767$

Parameters:

$a = 114.27627$

$b = 551.97660$

$c = 54.96513$

$d = 0.88186$

Bead 2903 (Rejected)

Date : Mon Oct 17 13:53:46 PDT 2022

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

Frame size : 12 pixels

Coordinates : 67.4 μm (x), -85.9 μm (y), 50.9 μm (z)

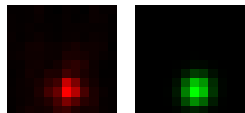
Corresponding bead : Not found

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

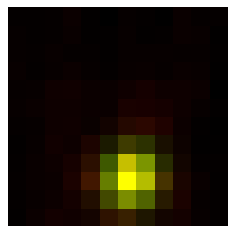
FWHM	Non corrected	Corrected	Theoretical
min	511 nm	532 nm	270 nm
max	557 nm	580 nm	270 nm
z	3.93 μm	3.94 μm	1.3 μm
Asymmetry	0.917		
Theta	69.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 745.195$ (brightness)

$B = 135.432$ (background)

$a = 0.504$ px

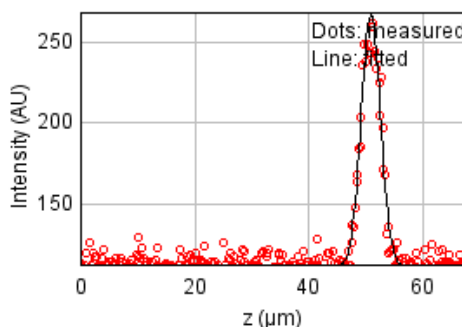
$b = 0.027$ px

$c = 0.442$ px

$xc = 6.211$ px

$yc = 8.815$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18901.1050

Standard deviation: 7.84647

$R^2: 0.94084$

Parameters:

$a = 111.92786$

$b = 268.51379$

$c = 50.93748$

$d = 1.66707$

Bead 2904

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

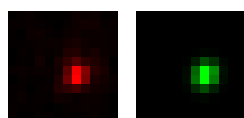
Coordinates : -87.1 μm (x), -94.8 μm (y), 55.2 μm (z)

Corresponding bead : Not found

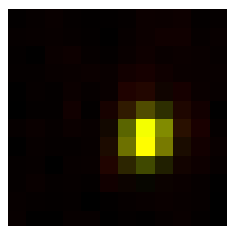
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	475 nm	495 nm	270 nm
z	2.15 μm	2.15 μm	1.3 μm
Asymmetry	0.868		
Theta	71.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 597.783$ (brightness)

$B = 120.807$ (background)

$a = 0.768$ px

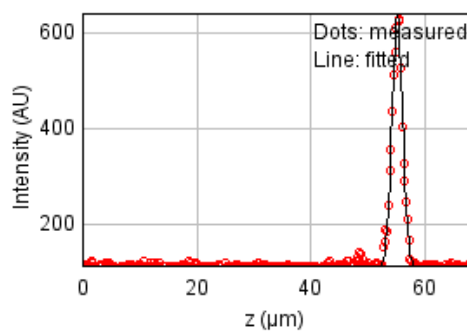
$b = 0.059$ px

$c = 0.615$ px

$x_c = 7.066$ px

$y_c = 6.485$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20826.2489

Standard deviation: 8.23638

$R^2: 0.98934$

Parameters:

$a = 113.87673$

$b = 639.83634$

$c = 55.21631$

$d = 0.91094$

Bead 2905

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

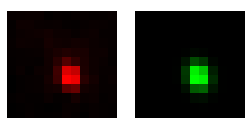
Coordinates : -43.0 μm (x), 90.2 μm (y), 55.4 μm (z)

Corresponding bead : Not found

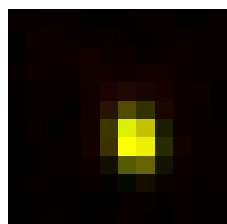
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	412 nm	270 nm
max	500 nm	521 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.791		
Theta	-75.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 975.305$ (brightness)

$B = 124.817$ (background)

$a = 0.838$ px

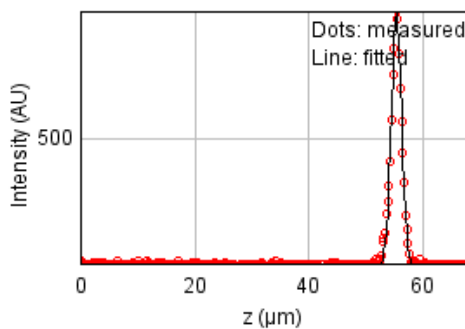
$b = -0.076$ px

$c = 0.555$ px

$x_c = 6.429$ px

$y_c = 6.619$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 36145.0916

Standard deviation: 10.85064

$R^2: 0.99127$

Parameters:

$a = 112.97102$

$b = 892.79384$

$c = 55.41320$

$d = 0.87798$

Bead 2906

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

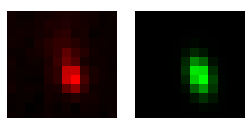
Coordinates : 143 μm (x), 71.9 μm (y), 55.8 μm (z)

Corresponding bead : Not found

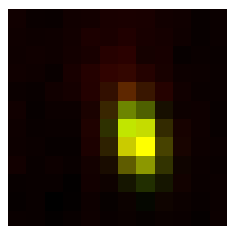
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	671 nm	698 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.598		
Theta	-74.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 496.183 (brightness)

B = 122.327 (background)

a = 0.797 px

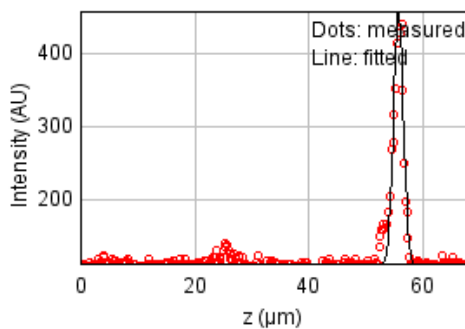
b = -0.138 px

c = 0.337 px

xc = 6.566 px

yc = 6.546 px

Z profile & fitting parameters:



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

Sum of residuals squared: 39537.4406

Standard deviation: 11.34841

R^2 : 0.95147

Parameters:

a = 113.31578

b = 458.48636

c = 55.75199

d = 0.84488

Bead 2907

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

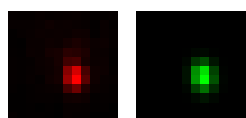
Coordinates : -11.9 μm (x), 71.7 μm (y), 55.9 μm (z)

Corresponding bead : Not found

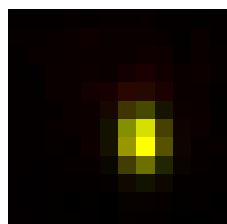
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	415 nm	270 nm
max	530 nm	552 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.753		
Theta	-83.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 894.006 (brightness)

B = 123.953 (background)

a = 0.839 px

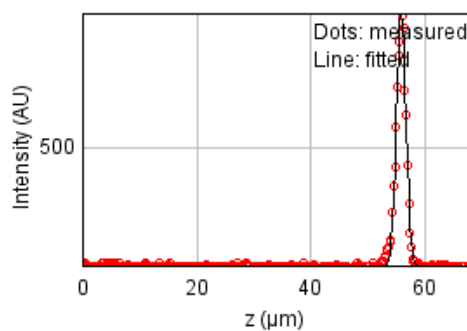
b = -0.041 px

c = 0.483 px

xc = 6.797 px

yc = 6.623 px

Z profile & fitting parameters:



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

Sum of residuals squared: 37111.7514

Standard deviation: 10.99478

R^2 : 0.99146

Parameters:

a = 114.39327

b = 936.03132

c = 55.88418

d = 0.82805

Bead 2908

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

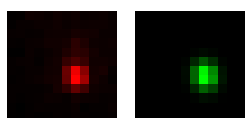
Coordinates : -155 μm (x), 53.4 μm (y), 55.8 μm (z)

Corresponding bead : Not found

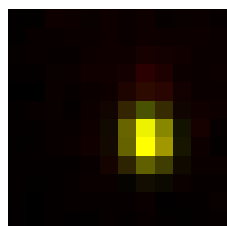
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	511 nm	533 nm	270 nm
z	2.25 μm	2.25 μm	1.3 μm
Asymmetry	0.834		
Theta	-81.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 651.864 (brightness)

B = 121.842 (background)

a = 0.731 px

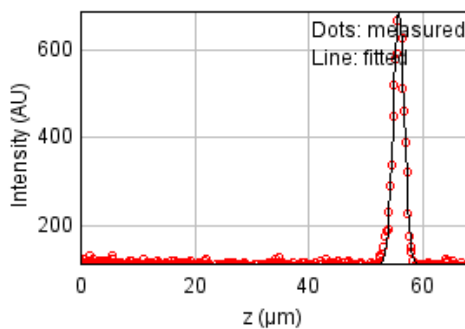
b = -0.033 px

c = 0.518 px

$x_c = 7.127$ 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: 26309.6443

Standard deviation: 9.25738

R^2 : 0.98925

Parameters:

a = 111.85456

b = 687.71431

c = 55.80705

d = 0.95360

Bead 2909 (Rejected)

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

Coordinates : 13.0 μm (x), 28.5 μm (y), 48.5 μm (z)

Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.39 μm	2.4 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

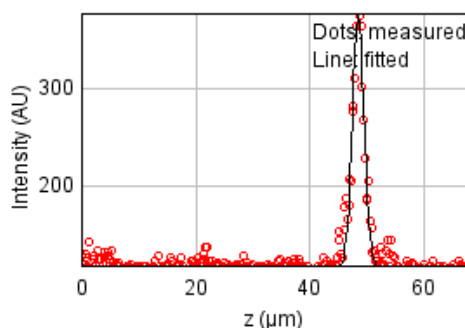
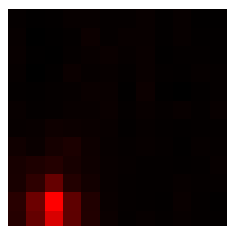
XY profile & fitting parameters :

(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: 33175.2728

Standard deviation: 10.39532

R²: 0.94098

Parameters:

a = 116.50329

b = 377.90181

c = 48.54745

d = 1.01466

Bead 2910

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

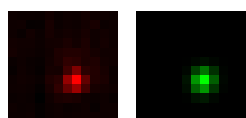
Coordinates : -124 μm (x), 19.2 μm (y), 55.6 μm (z)

Corresponding bead : Not found

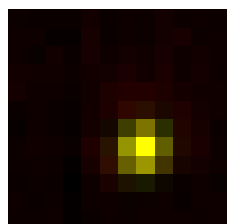
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	456 nm	475 nm	270 nm
z	1.76 μm	1.77 μm	1.3 μm
Asymmetry	0.905		
Theta	71.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 533.734$ (brightness)

$B = 123.473$ (background)

$a = 0.773$ px

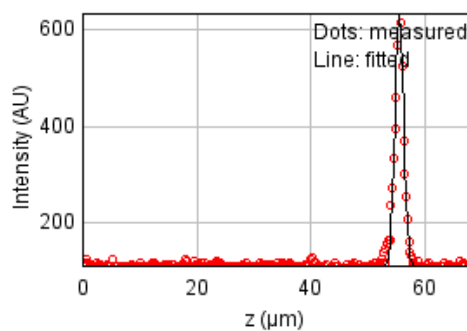
$b = 0.043$ px

$c = 0.659$ px

$x_c = 6.844$ px

$y_c = 7.110$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29870.2378

Standard deviation: 9.86393

$R^2: 0.98156$

Parameters:

$a = 112.34444$

$b = 636.00206$

$c = 55.55095$

$d = 0.74918$

Bead 2911

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

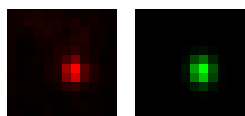
Coordinates : 11.6 μm (x), -5.23 μm (y), 55.6 μm (z)

Corresponding bead : Not found

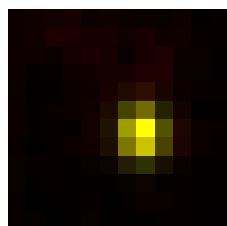
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	423 nm	270 nm
max	487 nm	508 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.834		
Theta	-87.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 638.701 (brightness)

B = 129.170 (background)

a = 0.811 px

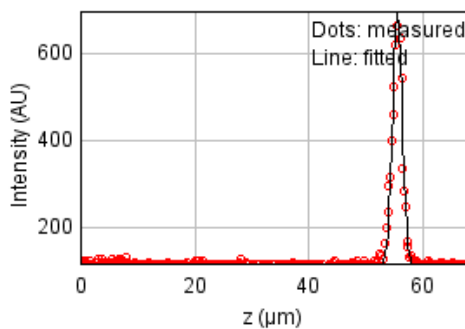
b = -0.012 px

c = 0.565 px

xc = 6.801 px

yc = 6.260 px

Z profile & fitting parameters:



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

Sum of residuals squared: 40937.8694

Standard deviation: 11.54765

R^2 : 0.98175

Parameters:

a = 115.13116

b = 701.43502

c = 55.56950

d = 0.83135

Bead 2912 (Rejected)

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

Coordinates : -95.0 μm (x), -13.3 μm (y), 52.8 μm (z)

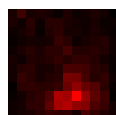
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.94 μm	2.96 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

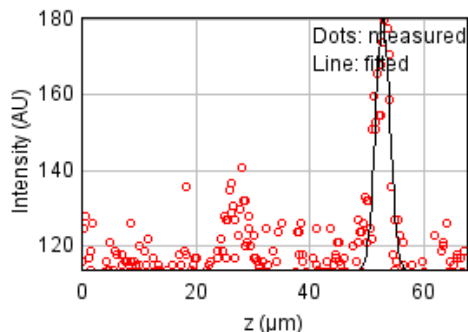
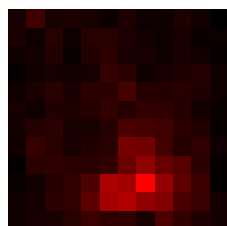
XY profile & fitting parameters :

(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: 19525.4266

Standard deviation: 7.97501

R²: 0.68352

Parameters:

a = 113.54059

b = 180.46441

c = 52.84518

d = 1.25046

Bead 2913

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

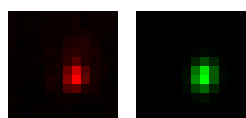
Coordinates : -10.1 μm (x), -48.0 μm (y), 55.8 μm (z)

Corresponding bead : Not found

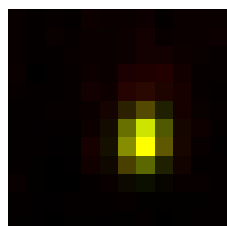
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	518 nm	540 nm	270 nm
z	2.11 μm	2.11 μm	1.3 μm
Asymmetry	0.772		
Theta	80.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 705.458$ (brightness)

$B = 124.864$ (background)

$a = 0.829$ px

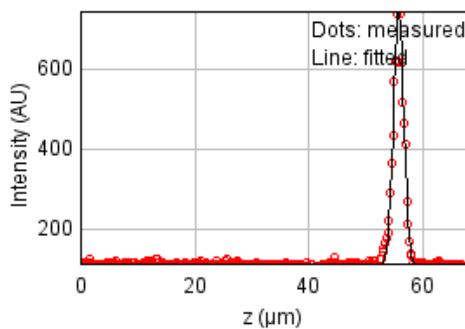
$b = 0.054$ px

$c = 0.509$ px

$x_c = 6.885$ px

$y_c = 6.627$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 33634.3067

Standard deviation: 10.46700

$R^2: 0.98791$

Parameters:

$a = 113.45949$

$b = 745.94454$

$c = 55.78302$

$d = 0.89427$

Bead 2914 (Rejected)

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

Coordinates : -54.8 μm (x), -75.6 μm (y), 40.5 μm (z)

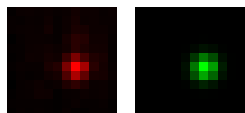
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

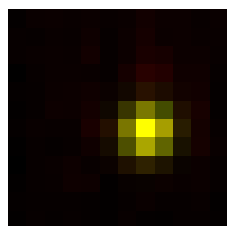
FWHM	Non corrected	Corrected	Theoretical
min	461 nm	480 nm	270 nm
max	478 nm	498 nm	270 nm
z	1.92 μm	1.92 μm	1.3 μm
Asymmetry	0.963		
Theta	68.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 575.909 (brightness)

B = 121.997 (background)

a = 0.626 px

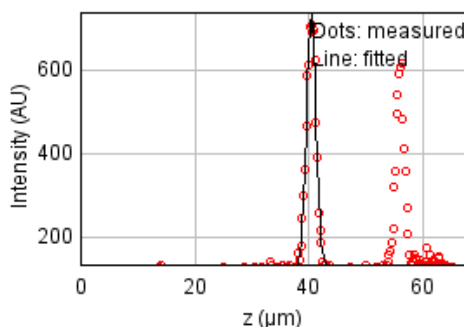
b = 0.016 px

c = 0.594 px

xc = 7.113 px

yc = 6.135 px

Z profile & fitting parameters:



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

Sum of residuals squared: 1460945.28

Standard deviation: 68.98391

R^2 : 0.61047

Parameters:

a = 132.00817

b = 735.98070

c = 40.50242

d = 0.81370

Bead 2915

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

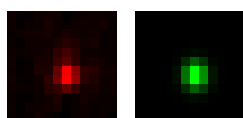
Coordinates : -121 μm (x), -85.1 μm (y), 54.9 μm (z)

Corresponding bead : Not found

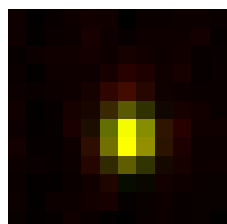
FWHM	Non corrected	Corrected	Theoretical
min	440 nm	459 nm	270 nm
max	511 nm	532 nm	270 nm
z	2.33 μm	2.34 μm	1.3 μm
Asymmetry	0.862		
Theta	89.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 384.796 (brightness)

B = 119.004 (background)

a = 0.692 px

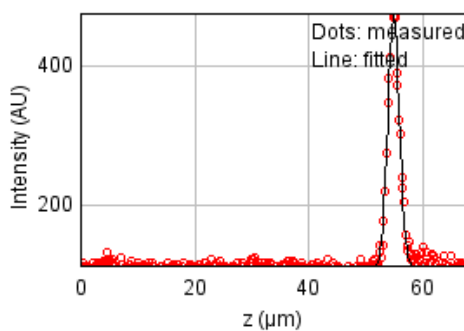
b = 0.000 px

c = 0.515 px

xc = 6.086 px

yc = 6.512 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23552.4040

Standard deviation: 8.75888

R^2 : 0.97710

Parameters:

a = 112.73160

b = 477.44458

c = 54.91721

d = 0.98898

Bead 2916

Date : Mon Oct 17 13:53:47 PDT 2022

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

Frame size : 12 pixels

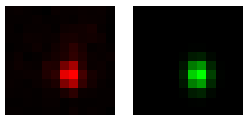
Coordinates : 90.6 μm (x), -89.7 μm (y), 55.7 μm (z)

Corresponding bead : Not found

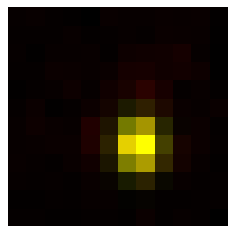
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	509 nm	531 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.807		
Theta	-89.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 679.274$ (brightness)

$B = 124.504$ (background)

$a = 0.795$ px

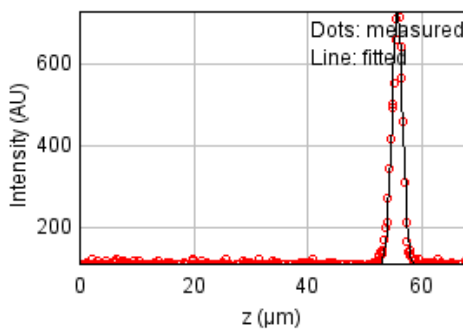
$b = -0.003$ px

$c = 0.517$ px

$x_c = 6.629$ px

$y_c = 7.017$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 53262.9296

Standard deviation: 13.17175

$R^2: 0.98048$

Parameters:

$a = 112.98718$

$b = 729.06528$

$c = 55.72939$

$d = 0.91887$

Bead 2917

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

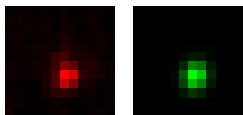
Coordinates : -128 μm (x), -95.0 μm (y), 55.5 μm (z)

Corresponding bead : Not found

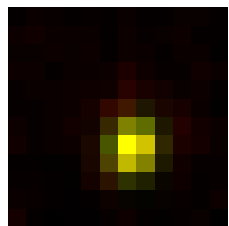
FWHM	Non corrected	Corrected	Theoretical
min	442 nm	460 nm	270 nm
max	523 nm	545 nm	270 nm
z	2.26 μm	2.27 μm	1.3 μm
Asymmetry	0.844		
Theta	77.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 431.310$ (brightness)

$B = 119.912$ (background)

$a = 0.680$ px

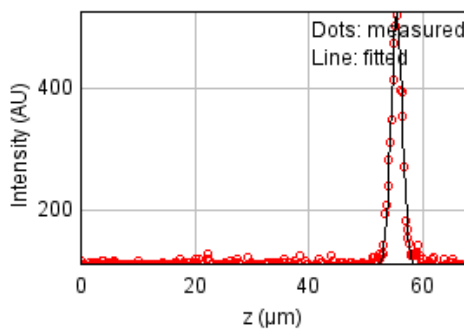
$b = 0.041$ px

$c = 0.499$ px

$x_c = 6.293$ px

$y_c = 7.151$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24522.4284

Standard deviation: 8.93743

$R^2: 0.98090$

Parameters:

$a = 112.35826$

$b = 526.39931$

$c = 55.45518$

$d = 0.95997$

Bead 2918

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

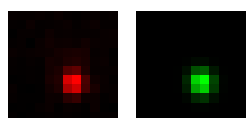
Coordinates : 44.8 μm (x), 95.5 μm (y), 55.8 μm (z)

Corresponding bead : Not found

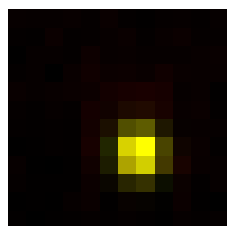
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	468 nm	487 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.894		
Theta	-82.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 885.736$ (brightness)

$B = 127.827$ (background)

$a = 0.763$ px

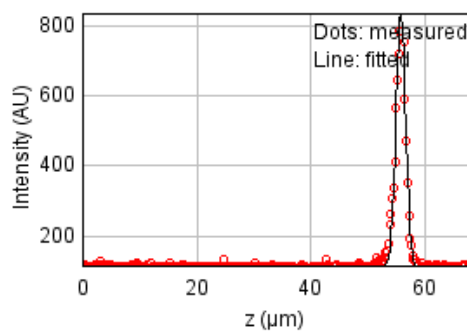
$b = -0.020$ px

$c = 0.615$ px

$x_c = 6.637$ px

$y_c = 7.317$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 45009.9953

Standard deviation: 12.10836

$R^2: 0.98676$

Parameters:

$a = 114.07611$

$b = 836.90880$

$c = 55.81070$

$d = 0.83314$

Bead 2919

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

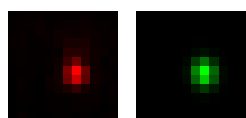
Coordinates : -76.6 μm (x), 79.9 μm (y), 55.9 μm (z)

Corresponding bead : Not found

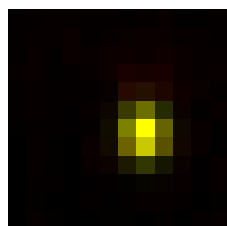
FWHM	Non corrected	Corrected	Theoretical
min	406 nm	423 nm	270 nm
max	499 nm	520 nm	270 nm
z	1.94 μm	1.94 μm	1.3 μm
Asymmetry	0.814		
Theta	-86.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 861.314 (brightness)

B = 123.075 (background)

a = 0.812 px

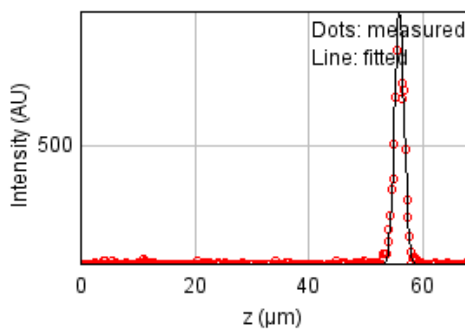
b = -0.015 px

c = 0.539 px

xc = 6.927 px

yc = 6.273 px

Z profile & fitting parameters:



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

Sum of residuals squared: 71122.8163

Standard deviation: 15.22072

R^2 : 0.98390

Parameters:

a = 114.12118

b = 942.31713

c = 55.90824

d = 0.82211

Bead 2920

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

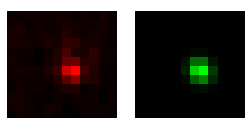
Coordinates : -163 μm (x), 72.5 μm (y), 55.3 μm (z)

Corresponding bead : Not found

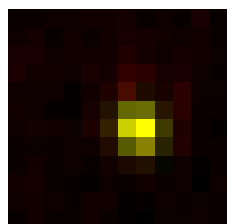
FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	435 nm	453 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.887		
Theta	-57.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 289.229 (brightness)

B = 114.035 (background)

a = 0.847 px

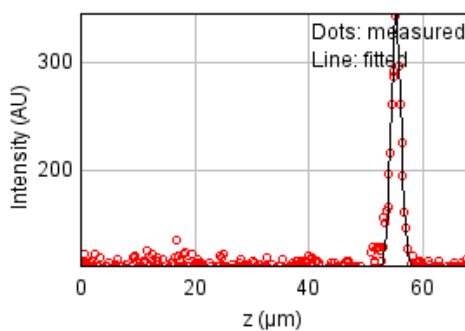
b = -0.087 px

c = 0.765 px

xc = 6.625 px

yc = 6.021 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18629.7513

Standard deviation: 7.78994

R^2 : 0.95087

Parameters:

a = 111.67158

b = 347.39203

c = 55.34849

d = 0.84265

Bead 2921

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

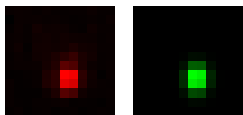
Coordinates : 32.0 μm (x), 65.4 μm (y), 55.9 μm (z)

Corresponding bead : Not found

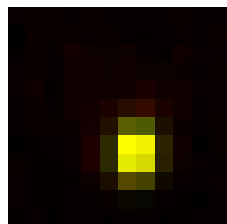
FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	497 nm	518 nm	270 nm
z	1.84 μm	1.85 μm	1.3 μm
Asymmetry	0.769		
Theta	88.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1086.379$ (brightness)

$B = 129.892$ (background)

$a = 0.918$ px

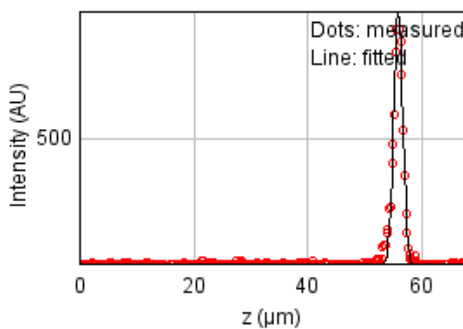
$b = 0.013$ px

$c = 0.543$ px

$x_c = 6.463$ px

$y_c = 7.413$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 48521.0556

Standard deviation: 12.57176

$R^2: 0.98673$

Parameters:

$a = 114.30322$

$b = 886.48973$

$c = 55.89336$

$d = 0.78331$

Bead 2922

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

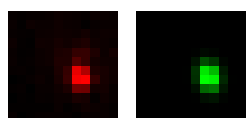
Coordinates : -14.9 μm (x), 63.3 μm (y), 55.6 μm (z)

Corresponding bead : Not found

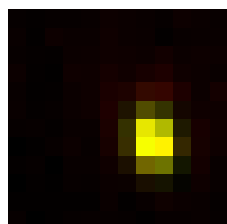
FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	523 nm	545 nm	270 nm
z	2.29 μm	2.29 μm	1.3 μm
Asymmetry	0.737		
Theta	-77.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 663.745 (brightness)

B = 122.693 (background)

a = 0.884 px

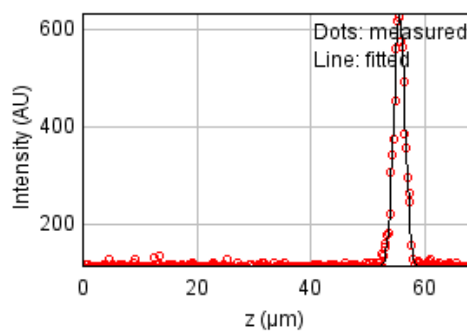
b = -0.086 px

c = 0.509 px

$x_c = 7.438$ px

$y_c = 6.670$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26993.7422

Standard deviation: 9.37697

R^2 : 0.98679

Parameters:

a = 114.50799

b = 635.82480

c = 55.56897

d = 0.97050

Bead 2923

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

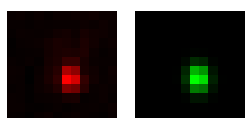
Coordinates : 751 nm (x), 35.6 um (y), 55.9 um (z)

Corresponding bead : Not found

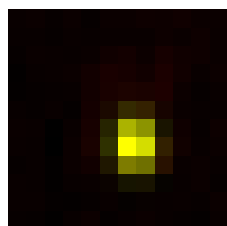
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	499 nm	519 nm	270 nm
z	2.08 um	2.08 um	1.3 um
Asymmetry	0.776		
Theta	-86.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 737.002 (brightness)

B = 125.758 (background)

a = 0.893 px

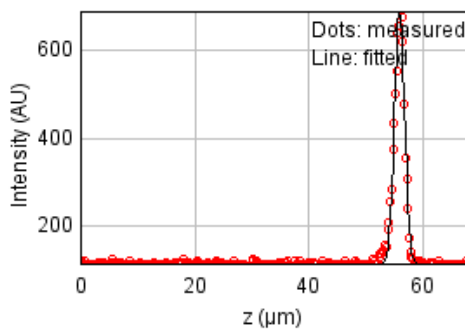
b = -0.024 px

c = 0.541 px

xc = 6.415 px

yc = 6.848 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32816.8269

Standard deviation: 10.33901

R^2 : 0.98562

Parameters:

a = 113.70782

b = 689.85142

c = 55.93906

d = 0.88157

Bead 2924 (Rejected)

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : -64.3 μm (x), 4.53 μm (y), 51.8 μm (z)

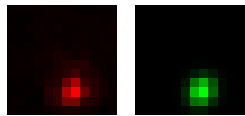
Corresponding bead : Not found

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

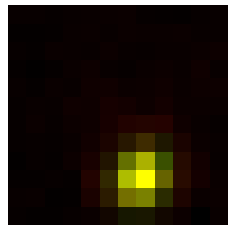
FWHM	Non corrected	Corrected	Theoretical
min	450 nm	468 nm	270 nm
max	527 nm	548 nm	270 nm
z	3.36 μm	3.37 μm	1.3 μm
Asymmetry	0.854		
Theta	61.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 629.189 (brightness)

B = 125.989 (background)

a = 0.624 px

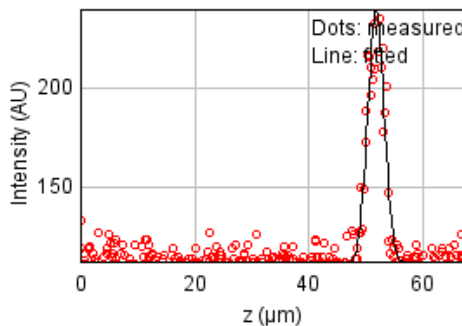
b = 0.075 px

c = 0.524 px

xc = 6.756 px

yc = 8.886 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18327.0391

Standard deviation: 7.72640

R^2 : 0.90268

Parameters:

a = 112.92813

b = 239.34545

c = 51.83601

d = 1.42681

Bead 2925

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : -71.9 μm (x), 4.65 μm (y), 43.6 μm (z)

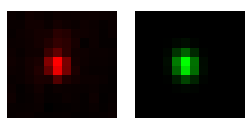
Corresponding bead : Not found



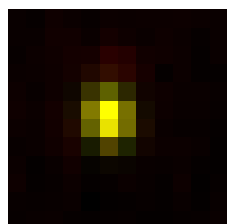
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	500 nm	521 nm	270 nm
z	1.89 μm	1.9 μm	1.3 μm
Asymmetry	0.824		
Theta	-79.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 640.411 (brightness)

B = 122.865 (background)

a = 0.783 px

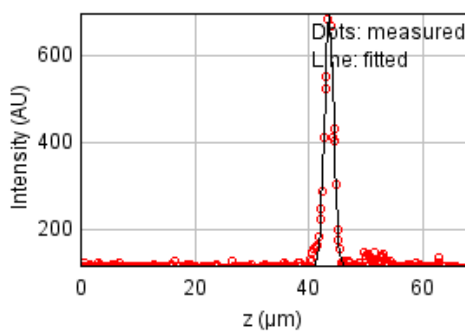
b = -0.045 px

c = 0.545 px

$x_c = 4.995$ px

$y_c = 5.385$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 58307.0079

Standard deviation: 13.78133

R^2 : 0.97270

Parameters:

a = 116.37982

b = 695.45138

c = 43.59756

d = 0.80254

Bead 2926

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

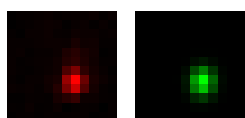
Coordinates : -68.0 μm (x), -9.62 μm (y), 56.2 μm (z)

Corresponding bead : Not found

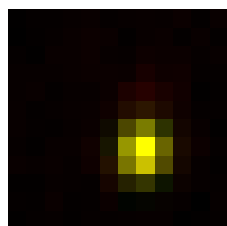
FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	518 nm	539 nm	270 nm
z	1.72 μm	1.73 μm	1.3 μm
Asymmetry	0.828		
Theta	86.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 748.223 (brightness)

B = 125.851 (background)

a = 0.730 px

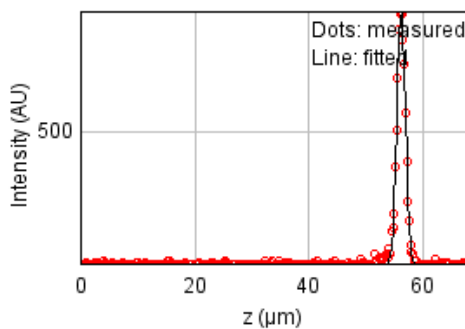
b = 0.014 px

c = 0.502 px

xc = 6.854 px

yc = 7.224 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22961.3584

Standard deviation: 8.64828

R^2 : 0.99265

Parameters:

a = 113.74474

b = 853.38539

c = 56.23156

d = 0.73210

Bead 2927

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

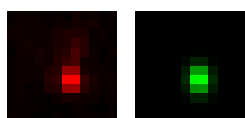
Coordinates : 109 μm (x), -31.8 μm (y), 55.8 μm (z)

Corresponding bead : Not found

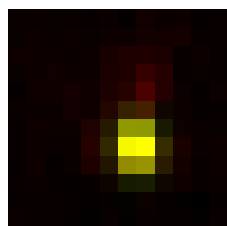
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	502 nm	523 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.769		
Theta	-87.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 567.553 (brightness)

B = 124.101 (background)

a = 0.897 px

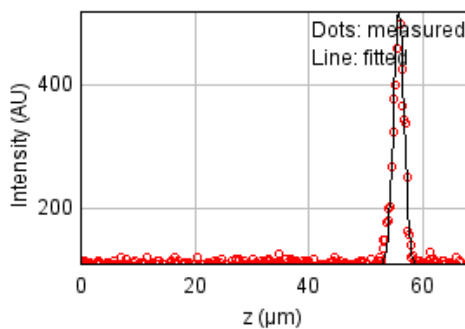
b = -0.018 px

c = 0.533 px

xc = 6.515 px

yc = 6.968 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30481.1376

Standard deviation: 9.96429

R^2 : 0.97425

Parameters:

a = 112.19105

b = 517.16336

c = 55.81118

d = 0.91678

Bead 2928

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

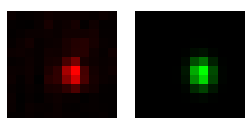
Coordinates : 111 μm (x), -42.9 μm (y), 55.8 μm (z)

Corresponding bead : Not found

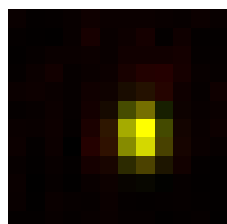
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	517 nm	538 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.781		
Theta	-87.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 505.606 (brightness)

B = 122.867 (background)

a = 0.822 px

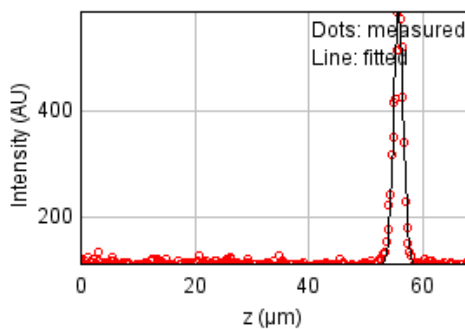
b = -0.017 px

c = 0.503 px

xc = 6.753 px

yc = 6.323 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33016.4272

Standard deviation: 10.37041

R^2 : 0.97820

Parameters:

a = 112.28001

b = 592.36143

c = 55.75834

d = 0.83434

Bead 2929 (Rejected)

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : -144 μm (x), -53.6 μm (y), 24.0 μm (z)

Corresponding bead : Not found

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

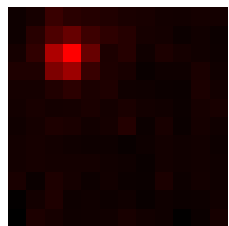
FWHM	Non corrected	Corrected	Theoretical
min	3.45 μm	3.59 μm	270 nm
max	5.18 μm	5.4 μm	270 nm
z	1.91 μm	1.92 μm	1.3 μm
Asymmetry	0.665		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.214$



Parameters:

A = -54.275 (brightness)

B = 164.310 (background)

a = 0.000 px

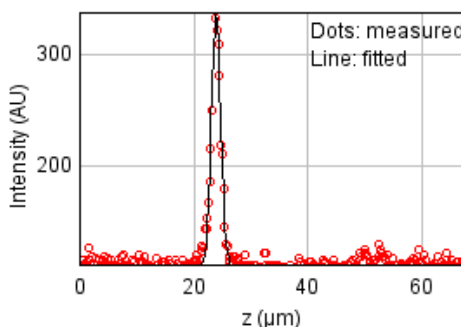
b = 0.008 px

c = 0.006 px

xc = 7.208 px

yc = 9.257 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14833.8212

Standard deviation: 6.95116

R^2 : 0.95553

Parameters:

a = 111.83594

b = 337.65489

c = 23.99551

d = 0.81018

Bead 2930

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

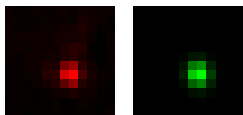
Coordinates : 101 um (x), -64.8 um (y), 55.6 um (z)

Corresponding bead : Not found

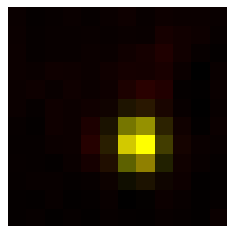
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	463 nm	482 nm	270 nm
z	2.15 um	2.16 um	1.3 um
Asymmetry	0.865		
Theta	-85.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 653.350 (brightness)

B = 124.805 (background)

a = 0.836 px

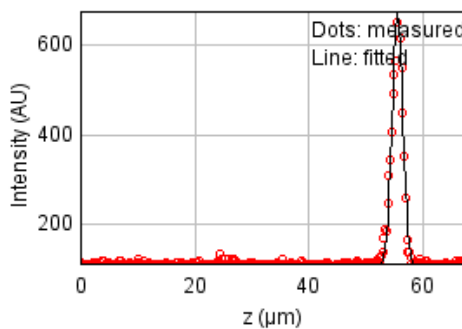
b = -0.018 px

c = 0.628 px

xc = 6.643 px

yc = 6.941 px

Z profile & fitting parameters:



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

Sum of residuals squared: 34977.6929

Standard deviation: 10.67398

R^2 : 0.98464

Parameters:

a = 111.94349

b = 677.30835

c = 55.58141

d = 0.91474

Bead 2931

Date : Mon Oct 17 13:53:48 PDT 2022

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

Frame size : 12 pixels

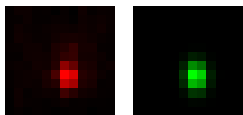
Coordinates : -14.4 μm (x), -80.7 μm (y), 55.9 μm (z)

Corresponding bead : Not found

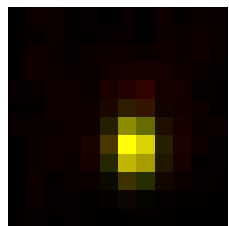
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	533 nm	555 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.739		
Theta	-86.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 675.481 (brightness)

B = 125.984 (background)

a = 0.865 px

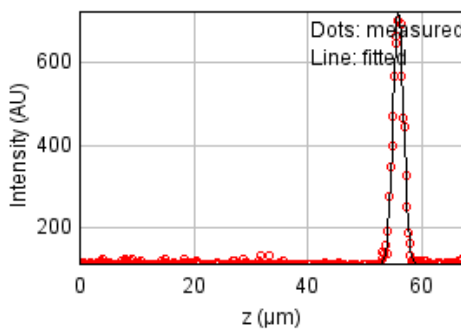
b = -0.021 px

c = 0.473 px

$x_c = 6.387$ px

$y_c = 7.163$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23574.4996

Standard deviation: 8.76298

R^2 : 0.99105

Parameters:

a = 112.72867

b = 724.42221

c = 55.89848

d = 0.90876

Bead 2932

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

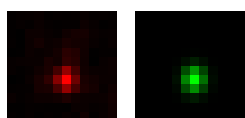
Coordinates : 112 μm (x), -89.4 μm (y), 55.5 μm (z)

Corresponding bead : Not found

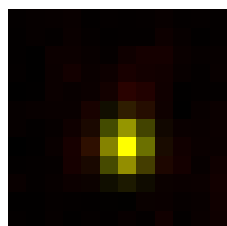
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	442 nm	270 nm
max	490 nm	510 nm	270 nm
z	1.88 μm	1.88 μm	1.3 μm
Asymmetry	0.867		
Theta	86.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 482.063$ (brightness)

$B = 121.571$ (background)

$a = 0.744$ px

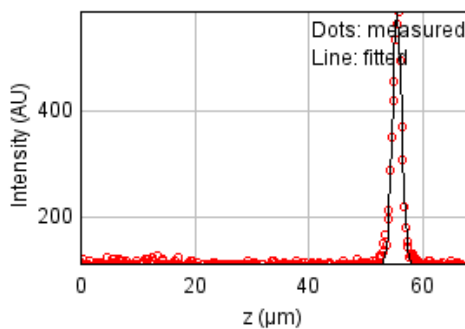
$b = 0.012$ px

$c = 0.560$ px

$x_c = 5.949$ px

$y_c = 6.975$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24129.6046

Standard deviation: 8.86555

$R^2: 0.98311$

Parameters:

$a = 111.82547$

$b = 589.79728$

$c = 55.50688$

$d = 0.79633$

Bead 2933

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

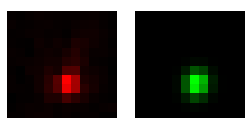
Coordinates : 42.5 μm (x), -94.6 μm (y), 56.1 μm (z)

Corresponding bead : Not found

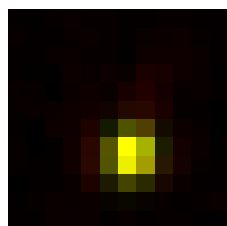
FWHM	Non corrected	Corrected	Theoretical
min	426 nm	444 nm	270 nm
max	478 nm	497 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.893		
Theta	76.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 712.161 (brightness)

B = 129.330 (background)

a = 0.731 px

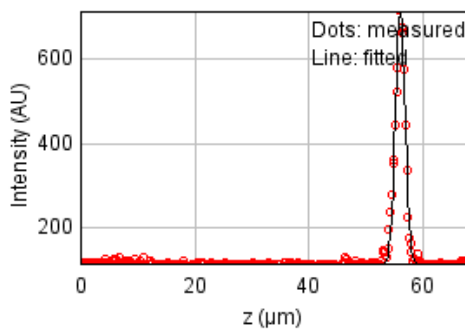
b = 0.033 px

c = 0.596 px

xc = 6.239 px

yc = 7.429 px

Z profile & fitting parameters:



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

Sum of residuals squared: 42164.4937

Standard deviation: 11.71937

R^2 : 0.98225

Parameters:

a = 114.28149

b = 713.46038

c = 56.06641

d = 0.84391

Bead 2934

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

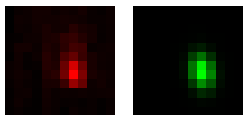
Coordinates : 113 um (x), 59.4 um (y), 55.9 um (z)

Corresponding bead : Not found

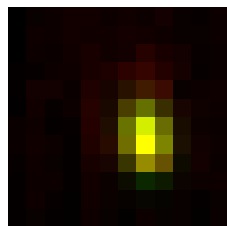
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	437 nm	270 nm
max	637 nm	664 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.659		
Theta	-81.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.916$



Parameters:

A = 364.293 (brightness)

B = 122.419 (background)

a = 0.753 px

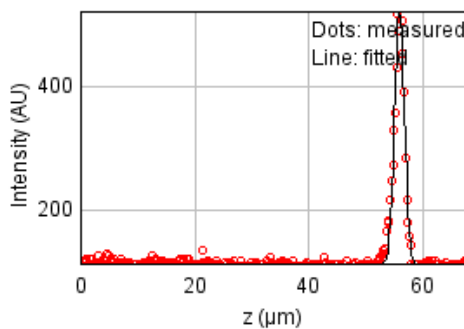
b = -0.062 px

c = 0.339 px

xc = 7.031 px

yc = 6.613 px

Z profile & fitting parameters:



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

Sum of residuals squared: 27699.0736

Standard deviation: 9.49868

R^2 : 0.97565

Parameters:

a = 112.83672

b = 522.57486

c = 55.93455

d = 0.85923

Bead 2935

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

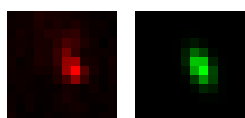
Coordinates : 133 μm (x), 56.7 μm (y), 55.8 μm (z)

Corresponding bead : Not found

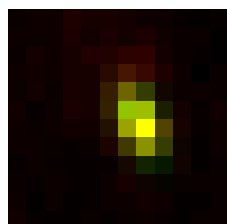
FWHM	Non corrected	Corrected	Theoretical
min	367 nm	382 nm	270 nm
max	644 nm	671 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.57		
Theta	-66.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 334.471$ (brightness)

$B = 118.743$ (background)

$a = 0.893$ px

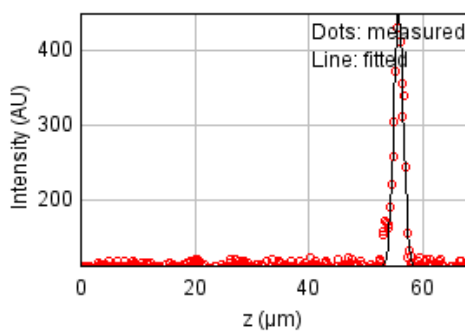
$b = -0.242$ px

$c = 0.426$ px

$x_c = 6.658$ px

$y_c = 5.650$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 30595.5561

Standard deviation: 9.98298

$R^2: 0.96047$

Parameters:

$a = 111.75267$

$b = 453.02590$

$c = 55.77252$

$d = 0.82815$

Bead 2936 (Rejected)

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : 9.78 μm (x), 34.3 μm (y), 53.8 μm (z)

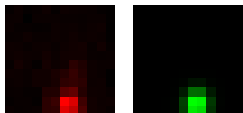
Corresponding bead : Not found

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

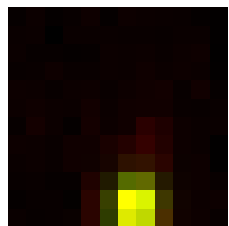
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	529 nm	551 nm	270 nm
z	3.19 μm	3.21 μm	1.3 μm
Asymmetry	0.816		
Theta	86.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 522.474 (brightness)

B = 124.420 (background)

a = 0.719 px

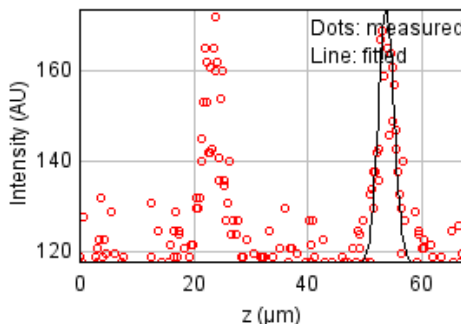
b = 0.016 px

c = 0.480 px

xc = 6.458 px

yc = 10.393 px

Z profile & fitting parameters:



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

Sum of residuals squared: 42049.4059

Standard deviation: 11.70336

R^2 : 0.42729

Parameters:

a = 117.80904

b = 173.41384

c = 53.79501

d = 1.35557

Bead 2937

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

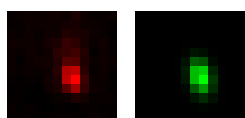
Coordinates : 142 um (x), 19.1 um (y), 55.9 um (z)

Corresponding bead : Not found

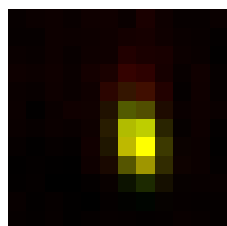
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	395 nm	270 nm
max	619 nm	644 nm	270 nm
z	2.2 um	2.21 um	1.3 um
Asymmetry	0.613		
Theta	-77.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 540.141 (brightness)

B = 123.609 (background)

a = 0.906 px

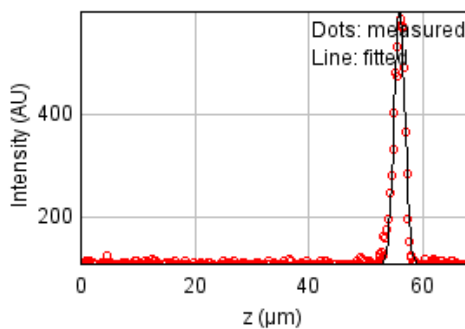
b = -0.119 px

c = 0.376 px

xc = 6.636 px

yc = 6.673 px

Z profile & fitting parameters:



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

Sum of residuals squared: 39377.1472

Standard deviation: 11.32538

R^2 : 0.97730

Parameters:

a = 110.18194

b = 597.11351

c = 55.93728

d = 0.93294

Bead 2938

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

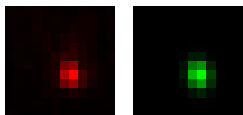
Coordinates : -46.7 μm (x), -10.9 μm (y), 56.4 μm (z)

Corresponding bead : Not found

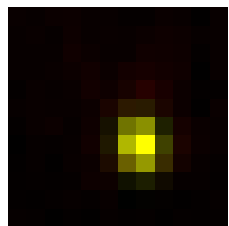
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	502 nm	522 nm	270 nm
z	2.0 μm	2.0 μm	1.3 μm
Asymmetry	0.785		
Theta	-79.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 737.405$ (brightness)

$B = 125.851$ (background)

$a = 0.853$ px

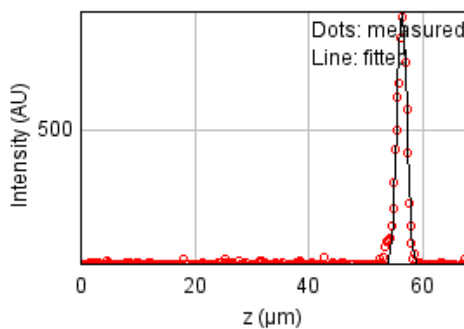
$b = -0.062$ px

$c = 0.545$ px

$x_c = 6.697$ px

$y_c = 6.992$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 62598.1184

Standard deviation: 14.27945

$R^2 = 0.98221$

Parameters:

$a = 113.35937$

$b = 841.10552$

$c = 56.36875$

$d = 0.84775$

Bead 2939

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

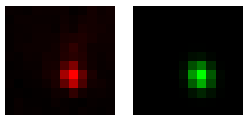
Coordinates : 37.6 μm (x), -21.3 μm (y), 56.2 μm (z)

Corresponding bead : Not found

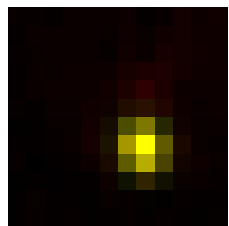
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	486 nm	506 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.843		
Theta	-77.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 851.353$ (brightness)

$B = 134.186$ (background)

$a = 0.788$ px

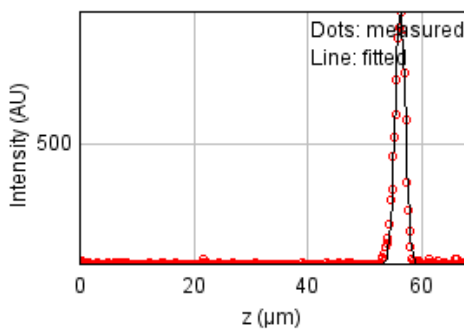
$b = -0.050$ px

$c = 0.579$ px

$x_c = 6.842$ px

$y_c = 7.145$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 60079.3456

Standard deviation: 13.98922

$R^2: 0.98688$

Parameters:

$a = 114.69958$

$b = 930.23129$

$c = 56.23767$

$d = 0.88394$

Bead 2940

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

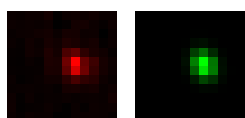
Coordinates : -145 μm (x), -53.4 μm (y), 52.5 μm (z)

Corresponding bead : Not found

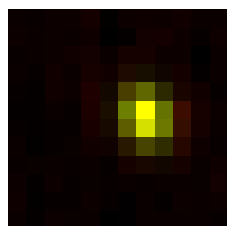
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	434 nm	270 nm
max	522 nm	544 nm	270 nm
z	1.39 μm	1.4 μm	1.3 μm
Asymmetry	0.798		
Theta	-71.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 379.105$ (brightness)

$B = 115.998$ (background)

$a = 0.744$ px

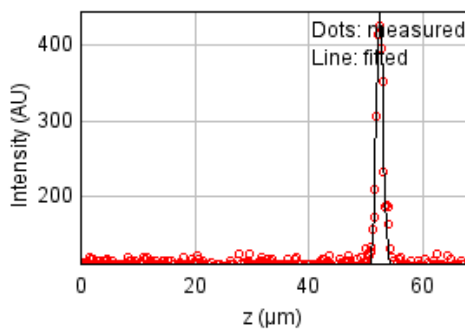
$b = -0.086$ px

$c = 0.522$ px

$x_c = 7.015$ px

$y_c = 5.370$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22978.3656

Standard deviation: 8.65148

$R^2: 0.95764$

Parameters:

$a = 111.16908$

$b = 446.45077$

$c = 52.50599$

$d = 0.59185$

Bead 2941 (Rejected)

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : -16.8 μm (x), -69.7 μm (y), 52.1 μm (z)

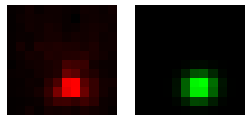
Corresponding bead : Not found

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

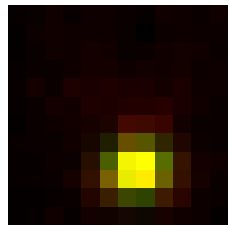
FWHM	Non corrected	Corrected	Theoretical
min	477 nm	497 nm	270 nm
max	550 nm	573 nm	270 nm
z	3.39 μm	3.4 μm	1.3 μm
Asymmetry	0.867		
Theta	7.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 544.869 (brightness)

B = 125.611 (background)

a = 0.447 px

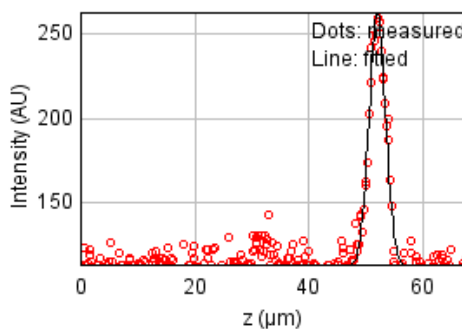
b = 0.019 px

c = 0.588 px

xc = 6.528 px

yc = 8.448 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16822.6524

Standard deviation: 7.40249

R^2 : 0.93338

Parameters:

a = 113.68588

b = 262.02051

c = 52.07633

d = 1.43764

Bead 2942 (Rejected)

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : -149 μm (x), -72.9 μm (y), 52.9 μm (z)

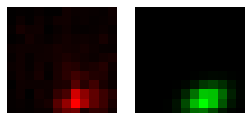
Corresponding bead : Not found

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

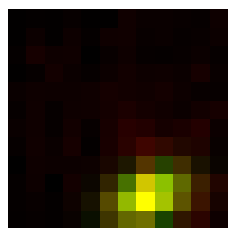
FWHM	Non corrected	Corrected	Theoretical
min	479 nm	498 nm	270 nm
max	741 nm	771 nm	270 nm
z	2.99 μm	3.0 μm	1.3 μm
Asymmetry	0.646		
Theta	22.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.892$



Parameters:

A = 273.490 (brightness)

B = 118.839 (background)

a = 0.293 px

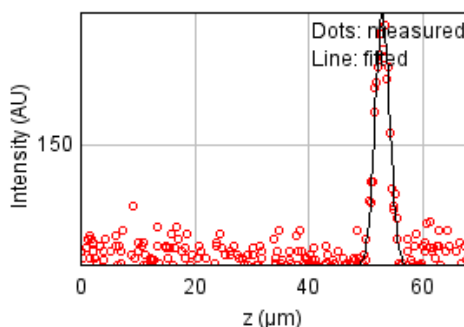
b = 0.119 px

c = 0.537 px

xc = 7.174 px

yc = 9.695 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13754.5643

Standard deviation: 6.69351

R^2 : 0.82909

Parameters:

a = 110.15357

b = 193.77421

c = 52.94834

d = 1.26864

Bead 2943

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

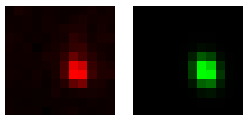
Coordinates : -22.3 μm (x), -75.3 μm (y), 55.9 μm (z)

Corresponding bead : Not found

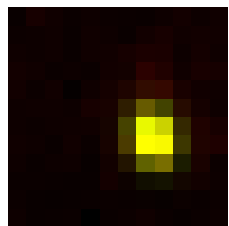
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	534 nm	556 nm	270 nm
z	2.29 μm	2.3 μm	1.3 μm
Asymmetry	0.785		
Theta	-75.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 588.177$ (brightness)

$B = 124.051$ (background)

$a = 0.744$ px

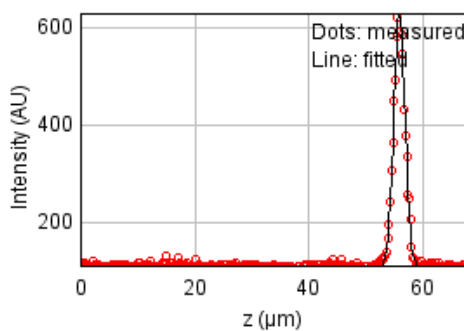
$b = -0.073$ px

$c = 0.490$ px

$x_c = 7.442$ px

$y_c = 6.590$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17312.5544

Standard deviation: 7.50951

$R^2: 0.99142$

Parameters:

$a = 112.34862$

$b = 630.47931$

$c = 55.92175$

$d = 0.97428$

Bead 2944

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

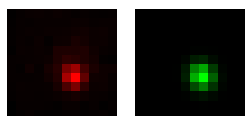
Coordinates : -59.0 μm (x), -76.4 μm (y), 56.0 μm (z)

Corresponding bead : Not found

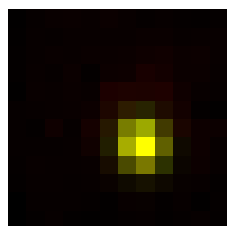
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	486 nm	506 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.9		
Theta	-69.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 648.011$ (brightness)

$B = 125.124$ (background)

$a = 0.685$ px

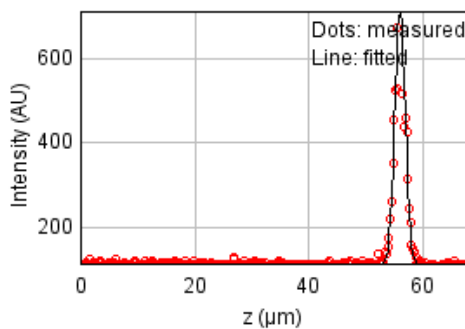
$b = -0.044$ px

$c = 0.585$ px

$x_c = 6.774$ px

$y_c = 6.835$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 56007.2075

Standard deviation: 13.50681

$R^2: 0.97841$

Parameters:

$a = 112.63086$

$b = 714.03091$

$c = 56.02180$

$d = 0.91484$

Bead 2945

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

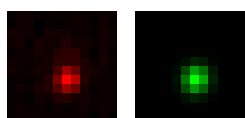
Coordinates : -98.7 μm (x), -81.3 μm (y), 56.0 μm (z)

Corresponding bead : Not found

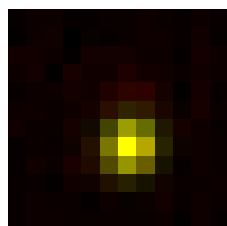
FWHM	Non corrected	Corrected	Theoretical
min	471 nm	491 nm	270 nm
max	515 nm	536 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.915		
Theta	74.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 472.096 (brightness)

B = 122.848 (background)

a = 0.598 px

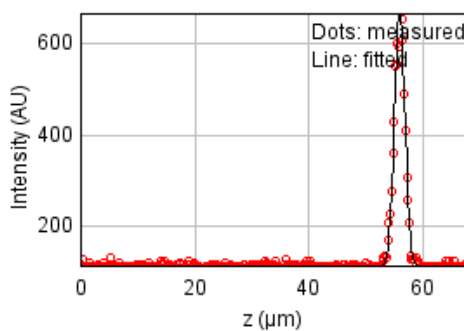
b = 0.026 px

c = 0.513 px

$x_c = 6.152$ px

$y_c = 6.970$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28212.9754

Standard deviation: 9.58639

R^2 : 0.98712

Parameters:

a = 112.50115

b = 668.12661

c = 55.96377

d = 0.91264

Bead 2946

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : 94.1 μm (x), -92.2 μm (y), 56.0 μm (z)

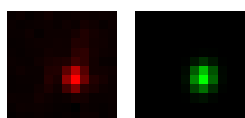
Corresponding bead : Not found



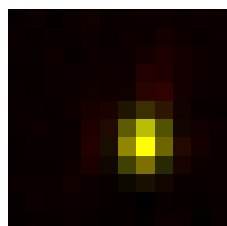
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	492 nm	512 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.835		
Theta	79.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 533.589$ (brightness)

$B = 121.992$ (background)

$a = 0.786$ px

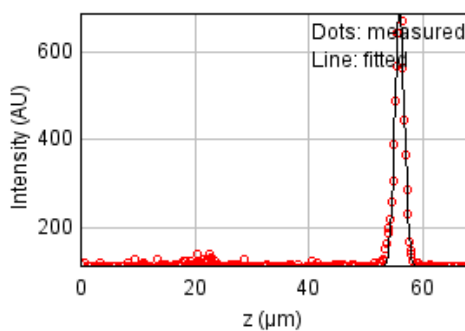
$b = 0.043$ px

$c = 0.562$ px

$x_c = 6.923$ px

$y_c = 6.770$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 30494.2555

Standard deviation: 9.96643

$R^2: 0.98568$

Parameters:

$a = 114.17184$

$b = 688.05277$

$c = 55.96015$

$d = 0.82694$

Bead 2947

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

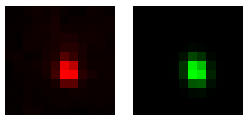
Coordinates : -73.4 μm (x), 94.6 μm (y), 56.1 μm (z)

Corresponding bead : Not found

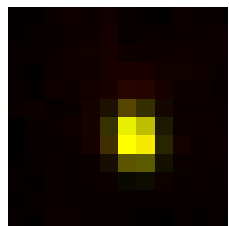
FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	484 nm	504 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.788		
Theta	-77.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 906.855$ (brightness)

$B = 125.433$ (background)

$a = 0.905$ px

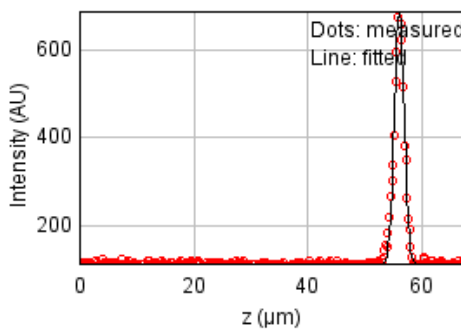
$b = -0.072$ px

$c = 0.588$ px

$x_c = 6.423$ 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: 28325.2718

Standard deviation: 9.60545

$R^2 = 0.98694$

Parameters:

$a = 112.98527$

$b = 686.51623$

$c = 56.07339$

$d = 0.84511$

Bead 2948

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

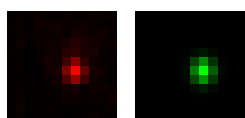
Coordinates : -105 μm (x), 86.6 μm (y), 56.4 μm (z)

Corresponding bead : Not found

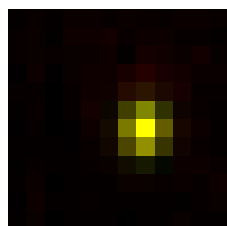
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	469 nm	489 nm	270 nm
z	1.82 μm	1.83 μm	1.3 μm
Asymmetry	0.832		
Theta	88.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 610.673 (brightness)

B = 121.197 (background)

a = 0.880 px

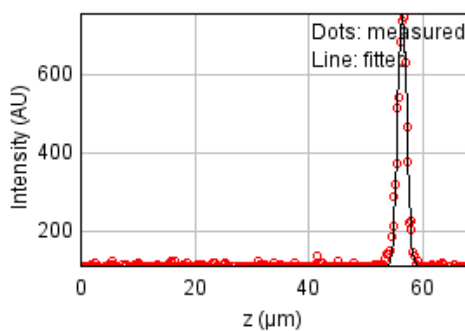
b = 0.006 px

c = 0.610 px

xc = 6.924 px

yc = 6.029 px

Z profile & fitting parameters:



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

Sum of residuals squared: 42845.4484

Standard deviation: 11.81362

R^2 : 0.98318

Parameters:

a = 113.00045

b = 760.39915

c = 56.42197

d = 0.77286

Bead 2949 (Rejected)

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : -2.77 μm (x), 58.4 μm (y), 5.26 μm (z)

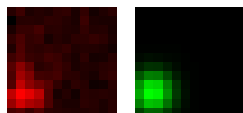
Corresponding bead : Not found

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

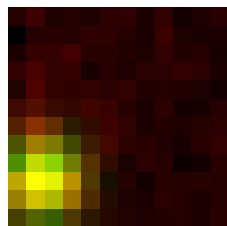
FWHM	Non corrected	Corrected	Theoretical
min	761 nm	792 nm	270 nm
max	809 nm	843 nm	270 nm
z	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.94		
Theta	-87.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.838$



Parameters:

A = 114.973 (brightness)

B = 118.400 (background)

a = 0.232 px

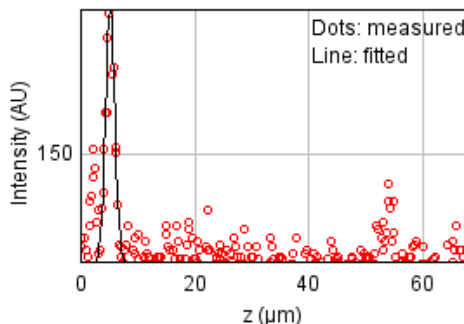
b = -0.001 px

c = 0.205 px

xc = 1.404 px

yc = 8.852 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17741.6546

Standard deviation: 7.60200

R^2 : 0.71053

Parameters:

a = 114.81178

b = 197.74231

c = 5.26337

d = 0.82123

Bead 2950

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

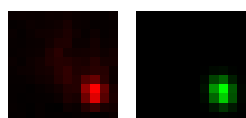
Coordinates : 17.8 μm (x), 28.4 μm (y), 56.5 μm (z)

Corresponding bead : Not found

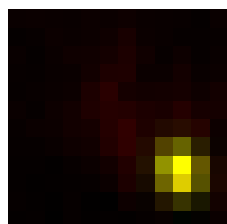
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	488 nm	508 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.82		
Theta	-73.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.914$



Parameters:

A = 853.245 (brightness)

B = 146.877 (background)

a = 0.814 px

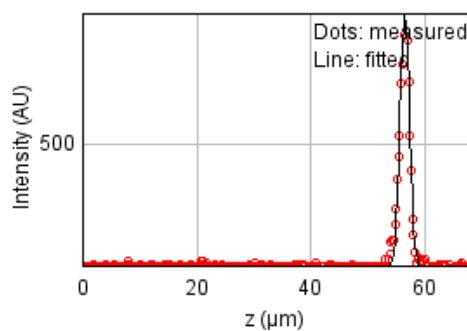
b = -0.075 px

c = 0.586 px

$x_c = 8.866$ px

$y_c = 8.292$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 50813.6653

Standard deviation: 12.86533

R^2 : 0.98748

Parameters:

a = 115.94886

b = 910.28580

c = 56.51682

d = 0.82380

Bead 2951

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

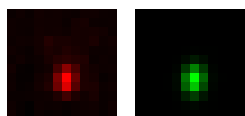
Coordinates : -132 μm (x), 12.8 μm (y), 55.9 μm (z)

Corresponding bead : Not found

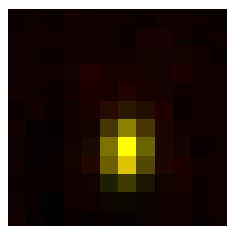
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	534 nm	556 nm	270 nm
z	1.72 μm	1.73 μm	1.3 μm
Asymmetry	0.735		
Theta	84.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 473.576$ (brightness)

$B = 119.373$ (background)

$a = 0.870$ px

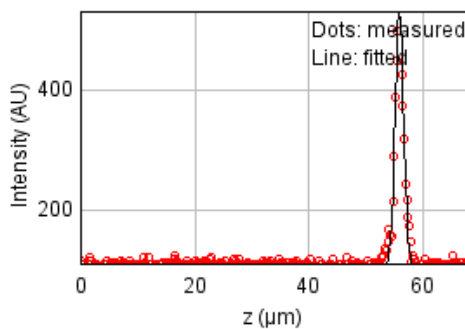
$b = 0.035$ px

$c = 0.475$ px

$x_c = 5.951$ px

$y_c = 7.225$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22863.3387

Standard deviation: 8.62980

$R^2: 0.97723$

Parameters:

$a = 112.39115$

$b = 528.56071$

$c = 55.91097$

$d = 0.73128$

Bead 2952

Date : Mon Oct 17 13:53:49 PDT 2022

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

Frame size : 12 pixels

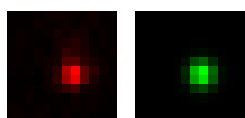
Coordinates : -129 μm (x), 12.8 μm (y), 56.5 μm (z)

Corresponding bead : Not found

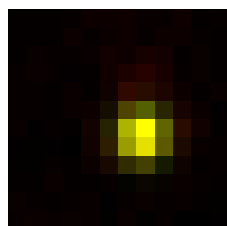
FWHM	Non corrected	Corrected	Theoretical
min	458 nm	477 nm	270 nm
max	491 nm	511 nm	270 nm
z	1.65 μm	1.66 μm	1.3 μm
Asymmetry	0.933		
Theta	-85.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 561.348$ (brightness)

$B = 124.868$ (background)

$a = 0.640$ px

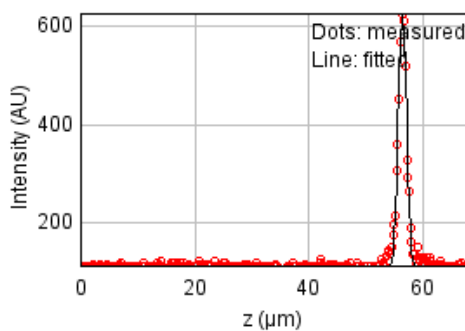
$b = -0.006$ px

$c = 0.558$ px

$x_c = 6.776$ px

$y_c = 6.382$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29335.6131

Standard deviation: 9.77526

$R^2: 0.98004$

Parameters:

$a = 113.25273$

$b = 627.57386$

$c = 56.45396$

$d = 0.70173$

Bead 2953

Date : Mon Oct 17 13:53:50 PDT 2022

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

Frame size : 12 pixels

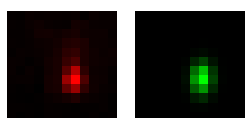
Coordinates : 155 μm (x), -13.5 μm (y), 56.6 μm (z)

Corresponding bead : Not found

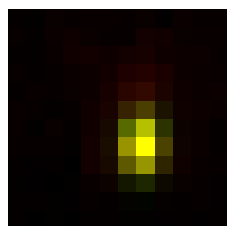
FWHM	Non corrected	Corrected	Theoretical
min	375 nm	390 nm	270 nm
max	570 nm	593 nm	270 nm
z	2.09 μm	2.09 μm	1.3 μm
Asymmetry	0.658		
Theta	88.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 751.224$ (brightness)

$B = 127.081$ (background)

$a = 0.954$ px

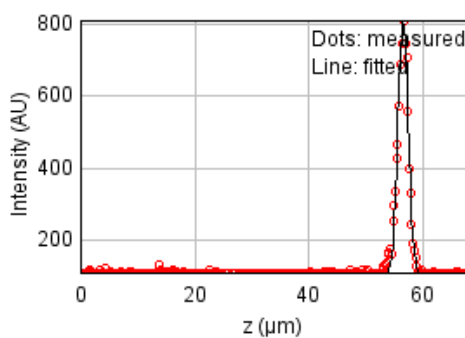
$b = 0.016$ px

$c = 0.414$ px

$x_c = 6.794$ px

$y_c = 6.857$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 39589.9594

Standard deviation: 11.35595

$R^2: 0.98826$

Parameters:

$a = 110.30875$

$b = 810.20958$

$c = 56.57862$

$d = 0.88581$

Bead 2954

Date : Mon Oct 17 13:53:50 PDT 2022

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

Frame size : 12 pixels

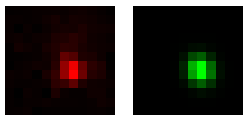
Coordinates : -95.5 μm (x), -18.3 μm (y), 56.0 μm (z)

Corresponding bead : Not found

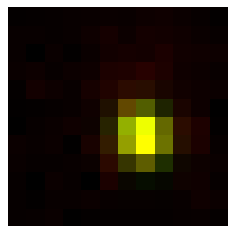
FWHM	Non corrected	Corrected	Theoretical
min	453 nm	472 nm	270 nm
max	526 nm	548 nm	270 nm
z	2.04 μm	2.04 μm	1.3 μm
Asymmetry	0.862		
Theta	-72.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 373.557$ (brightness)

$B = 120.330$ (background)

$a = 0.637$ px

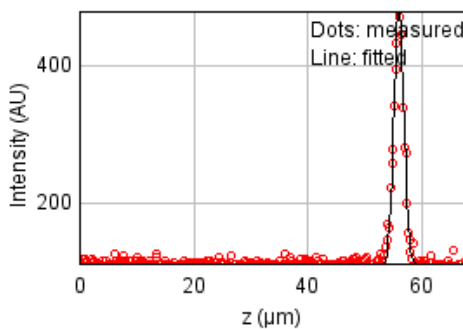
$b = -0.049$ px

$c = 0.501$ px

$x_c = 6.827$ px

$y_c = 6.478$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19275.6059

Standard deviation: 7.92382

$R^2: 0.97877$

Parameters:

$a = 112.92649$

$b = 478.43350$

$c = 56.01272$

$d = 0.86484$

Bead 2955 (Rejected)

Date : Mon Oct 17 13:53:50 PDT 2022

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

Frame size : 12 pixels

Coordinates : -147 μm (x), -35.0 μm (y), 53.1 μm (z)

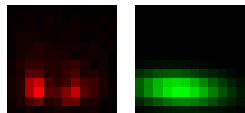
Corresponding bead : Not found

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

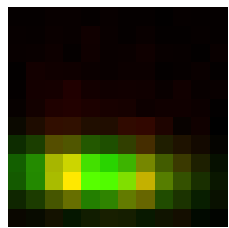
FWHM	Non corrected	Corrected	Theoretical
min	572 nm	596 nm	270 nm
max	1.59 μm	1.65 μm	270 nm
z	3.45 μm	3.46 μm	1.3 μm
Asymmetry	0.36		
Theta	-3.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.641$



Parameters:

A = 242.184 (brightness)

B = 124.981 (background)

a = 0.055 px

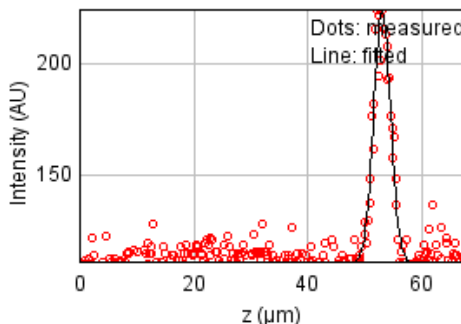
b = -0.023 px

c = 0.409 px

xc = 4.252 px

yc = 8.671 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14228.2416

Standard deviation: 6.80779

R^2 : 0.90733

Parameters:

a = 110.83452

b = 223.95434

c = 53.08049

d = 1.46328

Bead 2956

Date : Mon Oct 17 13:53:50 PDT 2022

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

Frame size : 12 pixels

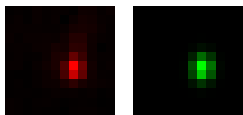
Coordinates : 63.6 μm (x), -42.2 μm (y), 56.6 μm (z)

Corresponding bead : Not found

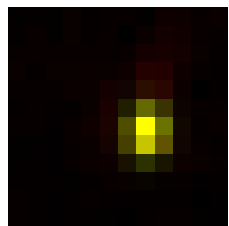
FWHM	Non corrected	Corrected	Theoretical
min	367 nm	382 nm	270 nm
max	487 nm	507 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.754		
Theta	86.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 812.243 (brightness)

B = 127.976 (background)

a = 0.993 px

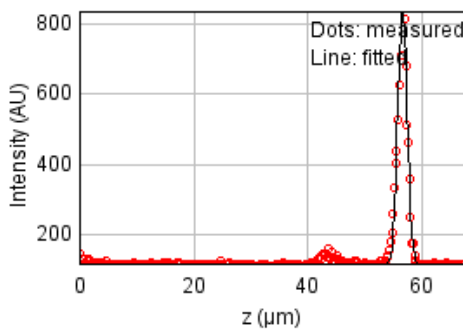
b = 0.029 px

c = 0.567 px

xc = 7.089 px

yc = 6.269 px

Z profile & fitting parameters:



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

Sum of residuals squared: 67703.6661

Standard deviation: 14.85036

R^2 : 0.97989

Parameters:

a = 115.77952

b = 839.32036

c = 56.64509

d = 0.81708

Bead 2957

Date : Mon Oct 17 13:53:50 PDT 2022

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

Frame size : 12 pixels

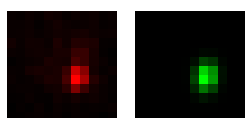
Coordinates : 71.8 μm (x), -56.8 μm (y), 56.1 μm (z)

Corresponding bead : Not found

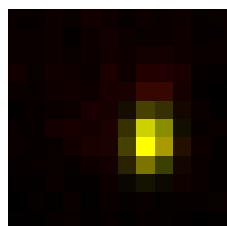
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	393 nm	270 nm
max	525 nm	546 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.72		
Theta	83.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 512.657 (brightness)

B = 121.782 (background)

a = 0.935 px

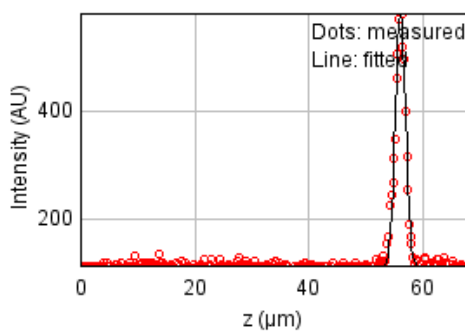
b = 0.054 px

c = 0.494 px

$x_c = 7.254$ px

$y_c = 6.673$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23048.2244

Standard deviation: 8.66462

R^2 : 0.98457

Parameters:

a = 113.52855

b = 577.86453

c = 56.10423

d = 0.88804

Bead 2958 (Rejected)

Date : Mon Oct 17 13:53:50 PDT 2022

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

Frame size : 12 pixels

Coordinates : 29.2 μm (x), -76.0 μm (y), 283 nm (z)

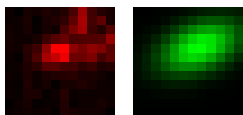
Corresponding bead : Not found

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

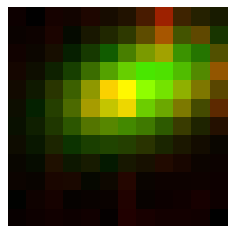
FWHM	Non corrected	Corrected	Theoretical
min	879 nm	915 nm	270 nm
max	1.56 μm	1.62 μm	270 nm
z	2.03 μm	2.03 μm	1.3 μm
Asymmetry	0.565		
Theta	21.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.662$



Parameters:

A = 125.236 (brightness)

B = 111.291 (background)

a = 0.072 px

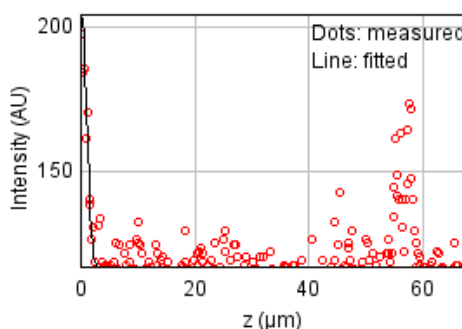
b = 0.041 px

c = 0.158 px

xc = 6.786 px

yc = 3.854 px

Z profile & fitting parameters:



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

Sum of residuals squared: 34648.3682

Standard deviation: 10.62361

R^2 : 0.52543

Parameters:

a = 117.00396

b = 204.60788

c = 0.28264

d = 0.86022

Bead 2959 (Rejected)

Date : Mon Oct 17 13:53:50 PDT 2022

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

Frame size : 12 pixels

Coordinates : 110 μm (x), 80.3 μm (y), 56.2 μm (z)

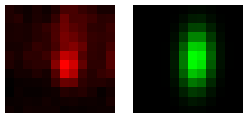
Corresponding bead : Not found

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

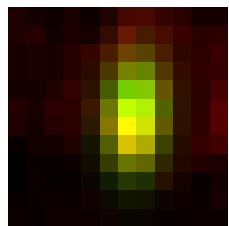
FWHM	Non corrected	Corrected	Theoretical
min	568 nm	591 nm	270 nm
max	1.07 μm	1.12 μm	270 nm
z	2.56 μm	2.58 μm	1.3 μm
Asymmetry	0.53		
Theta	87.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.823$



Parameters:

$A = 232.778$ (brightness)

$B = 132.595$ (background)

$a = 0.415$ px

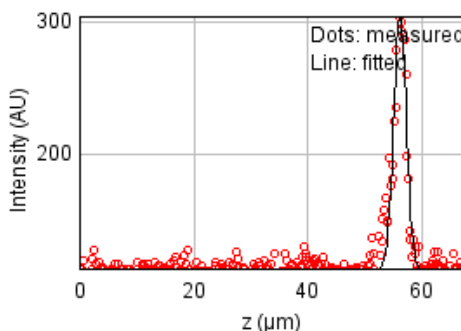
$b = 0.015$ px

$c = 0.118$ px

$xc = 6.415$ px

$yc = 5.363$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24454.6701

Standard deviation: 8.92507

$R^2: 0.92579$

Parameters:

$a = 112.78995$

$b = 304.80612$

$c = 56.20844$

$d = 1.08909$

Bead 2960

Date : Mon Oct 17 13:53:50 PDT 2022

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

Frame size : 12 pixels

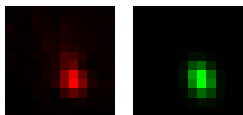
Coordinates : 141 um (x), 32.1 um (y), 56.8 um (z)

Corresponding bead : Not found

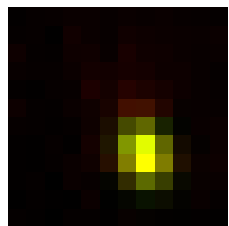
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	443 nm	270 nm
max	568 nm	592 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.748		
Theta	-72.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 562.783 (brightness)

B = 126.290 (background)

a = 0.712 px

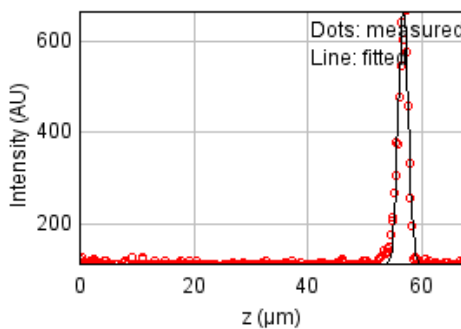
b = -0.094 px

c = 0.445 px

xc = 6.926 px

yc = 7.498 px

Z profile & fitting parameters:



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

Sum of residuals squared: 55151.8619

Standard deviation: 13.40327

R^2 : 0.97378

Parameters:

a = 111.31752

b = 665.73944

c = 56.78553

d = 0.86643

Bead 2961

Date : Mon Oct 17 13:53:50 PDT 2022

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

Frame size : 12 pixels

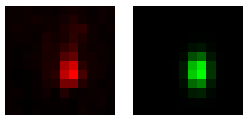
Coordinates : 123 μm (x), -686 nm (y), 56.2 μm (z)

Corresponding bead : Not found

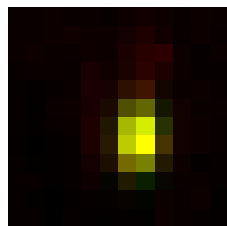
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	597 nm	622 nm	270 nm
z	2.25 μm	2.26 μm	1.3 μm
Asymmetry	0.643		
Theta	88.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 592.257$ (brightness)

$B = 124.743$ (background)

$a = 0.909$ px

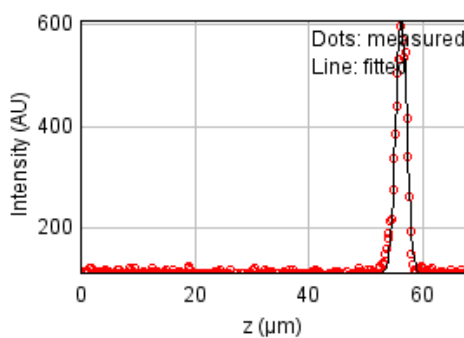
$b = 0.013$ px

$c = 0.377$ px

$x_c = 6.629$ px

$y_c = 6.616$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 32404.3750

Standard deviation: 10.27384

$R^2 = 0.98250$

Parameters:

$a = 111.12815$

$b = 609.40997$

$c = 56.23727$

$d = 0.95724$

Bead 2962

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

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

Frame size : 12 pixels

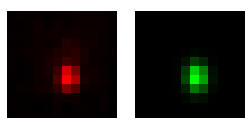
Coordinates : 17.0 μm (x), -9.95 μm (y), 56.8 μm (z)

Corresponding bead : Not found

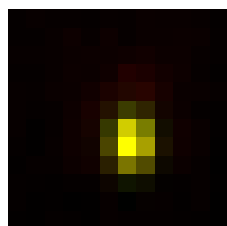
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	517 nm	538 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.753		
Theta	-88.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1011.634$ (brightness)

$B = 134.162$ (background)

$a = 0.886$ px

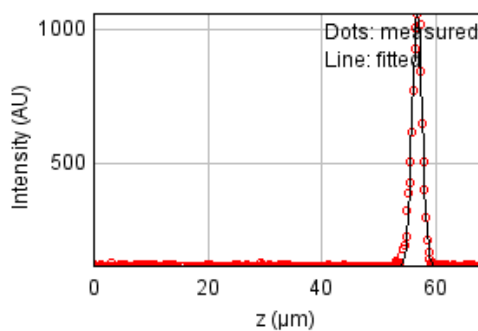
$b = -0.011$ px

$c = 0.503$ px

$x_c = 6.232$ px

$y_c = 6.727$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 53344.2166

Standard deviation: 13.18179

$R^2: 0.99123$

Parameters:

$a = 114.15294$

$b = 1061.05198$

$c = 56.76489$

$d = 0.87479$

Bead 2963 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : 52.6 μm (x), -55.5 μm (y), 56.9 μm (z)

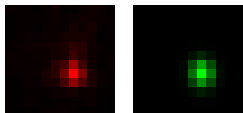
Corresponding bead : Not found

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

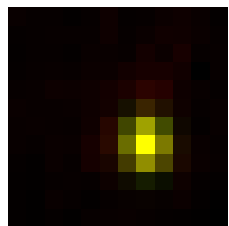
FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	507 nm	528 nm	270 nm
z	3.99 μm	4.01 μm	1.3 μm
Asymmetry	0.807		
Theta	-87.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 692.592 (brightness)

B = 124.030 (background)

a = 0.801 px

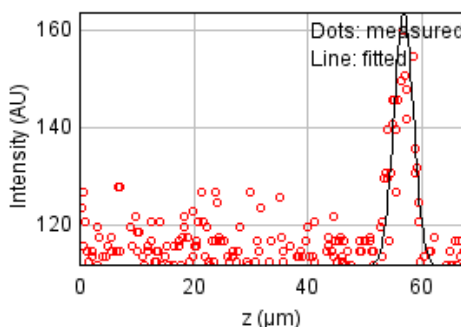
b = -0.011 px

c = 0.523 px

xc = 7.033 px

yc = 6.938 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15210.4639

Standard deviation: 7.03886

R^2 : 0.68595

Parameters:

a = 111.95851

b = 163.62808

c = 56.85447

d = 1.69486

Bead 2964

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

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

Frame size : 12 pixels

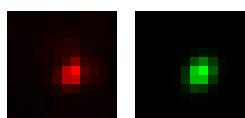
Coordinates : -92.9 μm (x), -67.7 μm (y), 56.8 μm (z)

Corresponding bead : Not found

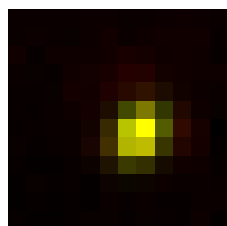
FWHM	Non corrected	Corrected	Theoretical
min	431 nm	449 nm	270 nm
max	540 nm	562 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.799		
Theta	57.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 642.241 (brightness)

B = 124.008 (background)

a = 0.646 px

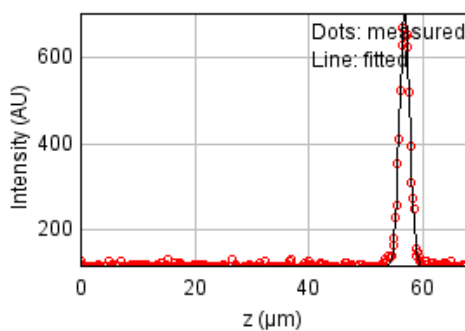
b = 0.118 px

c = 0.535 px

xc = 6.656 px

yc = 6.283 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23047.4056

Standard deviation: 8.66447

R^2 : 0.99040

Parameters:

a = 113.30065

b = 705.98268

c = 56.84714

d = 0.88102

Bead 2965

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

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

Frame size : 12 pixels

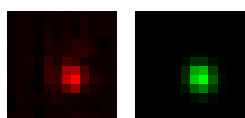
Coordinates : 113 μm (x), -86.5 μm (y), 55.9 μm (z)

Corresponding bead : Not found

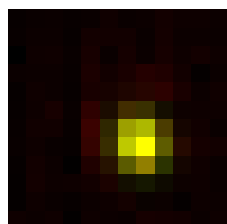
FWHM	Non corrected	Corrected	Theoretical
min	455 nm	474 nm	270 nm
max	521 nm	543 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.873		
Theta	-69.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 367.752$ (brightness)

$B = 120.820$ (background)

$a = 0.629$ px

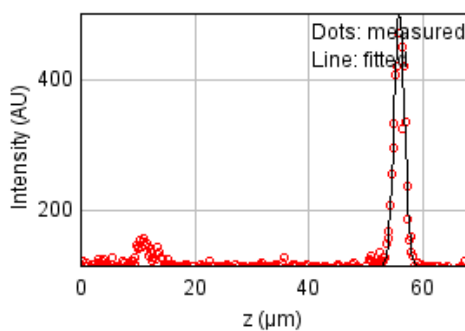
$b = -0.050$ px

$c = 0.513$ px

$x_c = 6.676$ px

$y_c = 6.788$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 49690.3558

Standard deviation: 12.72234

$R^2: 0.95430$

Parameters:

$a = 114.68874$

$b = 500.50612$

$c = 55.89754$

$d = 0.90831$

Bead 2966

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

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

Frame size : 12 pixels

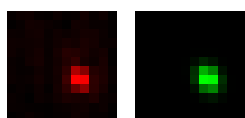
Coordinates : -82.6 μm (x), -92.9 μm (y), 56.1 μm (z)

Corresponding bead : Not found

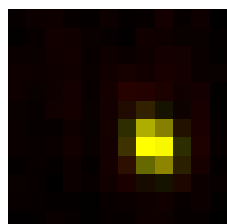
FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	487 nm	507 nm	270 nm
z	2.41 μm	2.42 μm	1.3 μm
Asymmetry	0.792		
Theta	-62.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 465.535$ (brightness)

$B = 121.568$ (background)

$a = 0.828$ px

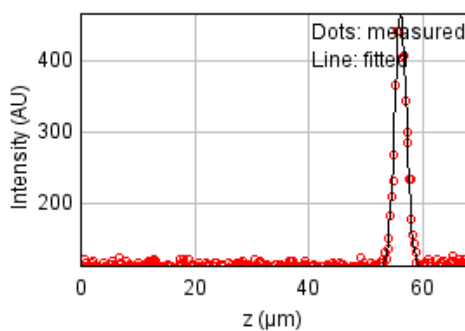
$b = -0.138$ px

$c = 0.639$ px

$x_c = 7.463$ px

$y_c = 6.897$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24828.3297

Standard deviation: 8.99300

$R^2: 0.97528$

Parameters:

$a = 112.82867$

$b = 467.28690$

$c = 56.12126$

$d = 1.02257$

Bead 2967

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

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

Frame size : 12 pixels

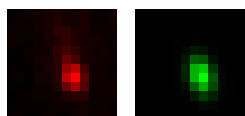
Coordinates : 140 μm (x), 94.3 μm (y), 56.7 μm (z)

Corresponding bead : Not found

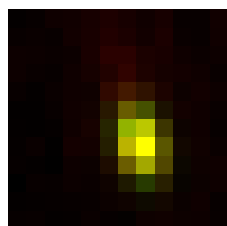
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	438 nm	270 nm
max	673 nm	701 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.624		
Theta	-74.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 401.287$ (brightness)

$B = 120.407$ (background)

$a = 0.726$ px

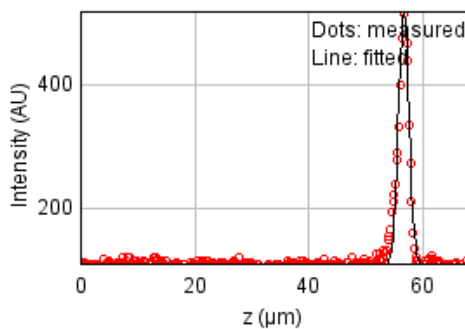
$b = -0.120$ px

$c = 0.330$ px

$x_c = 6.705$ px

$y_c = 6.760$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38604.6839

Standard deviation: 11.21375

$R^2: 0.96798$

Parameters:

$a = 110.99922$

$b = 520.81970$

$c = 56.68829$

$d = 0.90531$

Bead 2968

Date : Mon Oct 17 13:53:52 PDT 2022

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

Frame size : 12 pixels

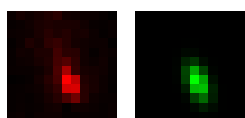
Coordinates : 143 μm (x), 88.5 μm (y), 56.7 μm (z)

Corresponding bead : Not found

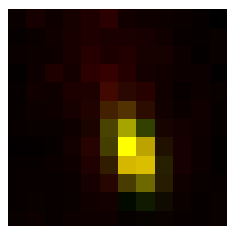
FWHM	Non corrected	Corrected	Theoretical
min	363 nm	379 nm	270 nm
max	682 nm	710 nm	270 nm
z	1.83 μm	1.84 μm	1.3 μm
Asymmetry	0.533		
Theta	-68.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 443.217$ (brightness)

$B = 122.851$ (background)

$a = 0.919$ px

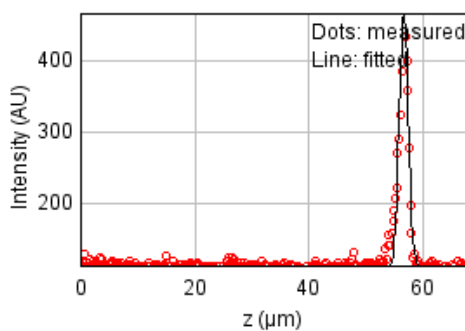
$b = -0.247$ px

$c = 0.385$ px

$x_c = 6.332$ px

$y_c = 7.278$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 34531.9981

Standard deviation: 10.60576

$R^2 = 0.95653$

Parameters:

$a = 112.30336$

$b = 468.04246$

$c = 56.68815$

$d = 0.77681$

Bead 2969

Date : Mon Oct 17 13:53:52 PDT 2022

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

Frame size : 12 pixels

Coordinates : 122 μm (x), 72.2 μm (y), 57.1 μm (z)

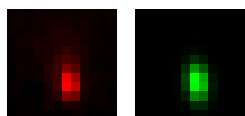
Corresponding bead : Not found



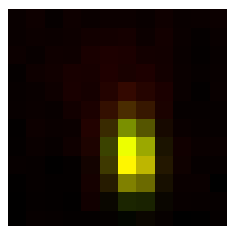
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	669 nm	696 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.582		
Theta	-84.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 661.734$ (brightness)

$B = 135.381$ (background)

$a = 0.880$ px

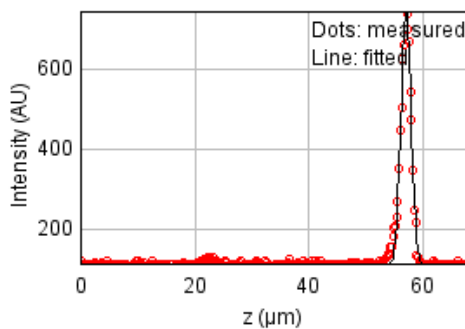
$b = -0.057$ px

$c = 0.306$ px

$x_c = 6.295$ px

$y_c = 7.494$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 32873.1524

Standard deviation: 10.34788

$R^2: 0.98801$

Parameters:

$a = 114.20661$

$b = 748.63415$

$c = 57.09778$

$d = 0.87506$

Bead 2970 (Rejected)

Date : Mon Oct 17 13:53:52 PDT 2022

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

Frame size : 12 pixels

Coordinates : -18.4 μm (x), 60.3 μm (y), 57.0 μm (z)

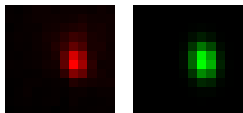
Corresponding bead : Not found

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

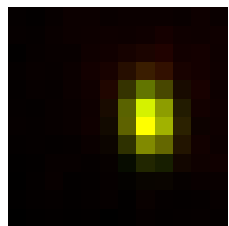
FWHM	Non corrected	Corrected	Theoretical
min	448 nm	467 nm	270 nm
max	634 nm	661 nm	270 nm
z	2.72 μm	2.73 μm	1.3 μm
Asymmetry	0.707		
Theta	-84.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 1012.838 (brightness)

B = 141.255 (background)

a = 0.664 px

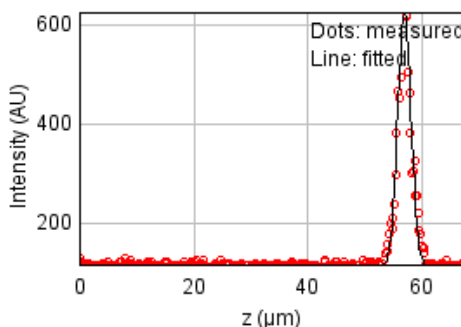
b = -0.035 px

c = 0.337 px

xc = 7.205 px

yc = 5.601 px

Z profile & fitting parameters:



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

Sum of residuals squared: 57922.0634

Standard deviation: 13.73576

R^2 : 0.97519

Parameters:

a = 114.28925

b = 624.35026

c = 56.97222

d = 1.15614

Bead 2971 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : 50.4 μm (x), 44.1 μm (y), 40.7 μm (z)

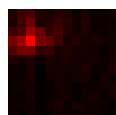
Corresponding bead : Not found

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	1.78 μm	1.78 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

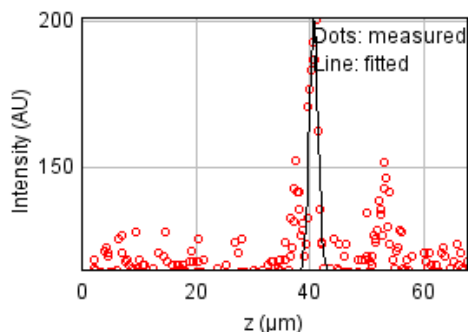
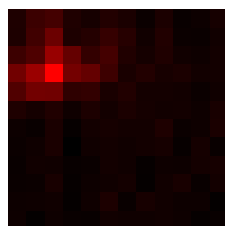
XY profile & fitting parameters :

(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: 24021.0245

Standard deviation: 8.84559

R²: 0.64572

Parameters:

a = 114.86930

b = 201.47966

c = 40.74977

d = 0.75420

Bead 2972

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

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

Frame size : 12 pixels

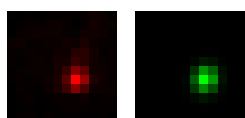
Coordinates : 14.6 μm (x), 21.5 μm (y), 56.7 μm (z)

Corresponding bead : Not found

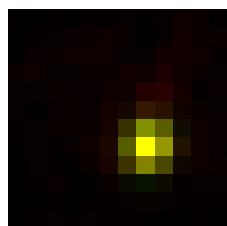
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	473 nm	492 nm	270 nm
z	1.91 μm	1.92 μm	1.3 μm
Asymmetry	0.876		
Theta	74.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 603.761$ (brightness)

$B = 126.710$ (background)

$a = 0.770$ px

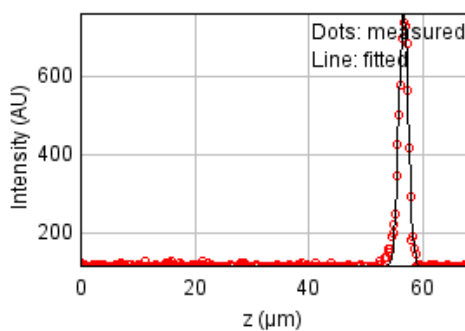
$b = 0.046$ px

$c = 0.613$ px

$x_c = 7.164$ px

$y_c = 6.947$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 36234.7999

Standard deviation: 10.86410

$R^2: 0.98656$

Parameters:

$a = 114.41652$

$b = 766.19879$

$c = 56.65847$

$d = 0.81181$

Bead 2973

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

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

Frame size : 12 pixels

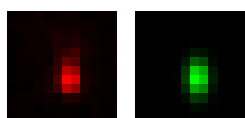
Coordinates : 159 μm (x), 20.8 μm (y), 56.6 μm (z)

Corresponding bead : Not found

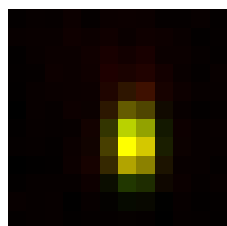
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	420 nm	270 nm
max	647 nm	674 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.624		
Theta	-89.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 734.630$ (brightness)

$B = 124.535$ (background)

$a = 0.824$ px

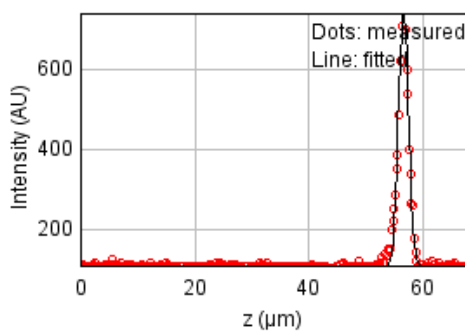
$b = -0.006$ px

$c = 0.321$ px

$x_c = 6.348$ px

$y_c = 6.811$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 44352.1891

Standard deviation: 12.01955

$R^2: 0.98384$

Parameters:

$a = 110.84091$

$b = 742.86841$

$c = 56.64357$

$d = 0.87944$

Bead 2974

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

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

Frame size : 12 pixels

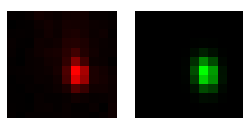
Coordinates : 104 μm (x), 90.9 μm (y), 57.1 μm (z)

Corresponding bead : Not found

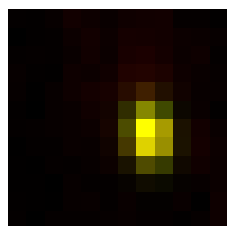
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	573 nm	597 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.687		
Theta	-82.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 656.186 (brightness)

B = 126.461 (background)

a = 0.859 px

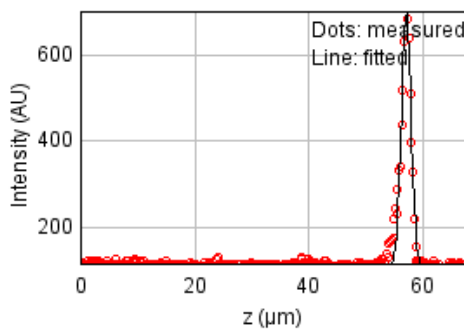
b = -0.057 px

c = 0.416 px

$x_c = 7.228$ px

$y_c = 6.298$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 61618.6830

Standard deviation: 14.16730

R^2 : 0.97298

Parameters:

a = 114.45153

b = 703.64257

c = 57.12186

d = 0.82926

Bead 2975

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

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

Frame size : 12 pixels

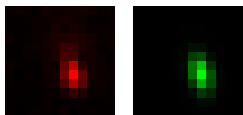
Coordinates : 137 μm (x), 91.0 μm (y), 56.7 μm (z)

Corresponding bead : Not found

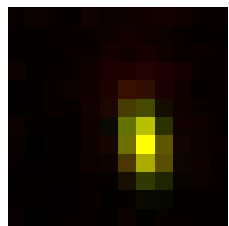
FWHM	Non corrected	Corrected	Theoretical
min	366 nm	381 nm	270 nm
max	660 nm	688 nm	270 nm
z	1.82 μm	1.82 μm	1.3 μm
Asymmetry	0.554		
Theta	-77.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 452.630 (brightness)

B = 120.466 (background)

a = 0.969 px

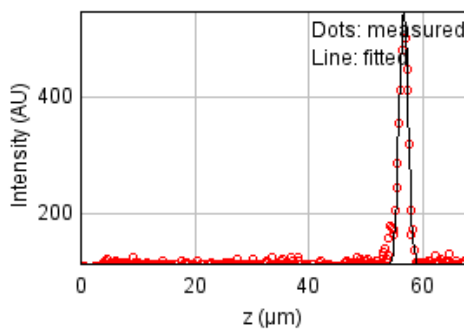
b = -0.152 px

c = 0.343 px

$x_c = 6.916$ 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: 32397.2054

Standard deviation: 10.27270

R^2 : 0.97264

Parameters:

a = 112.02912

b = 551.66755

c = 56.67535

d = 0.77080

Bead 2976 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : 80.7 μm (x), 89.8 μm (y), 57.3 μm (z)

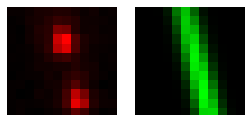
Corresponding bead : Not found

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

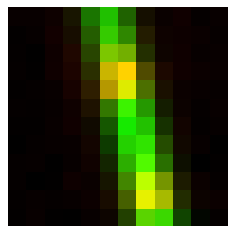
FWHM	Non corrected	Corrected	Theoretical
min	465 nm	484 nm	270 nm
max	5.9 μm	6.14 μm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.079		
Theta	-76.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.573$



Parameters:

$A = 285.715$ (brightness)

$B = 129.735$ (background)

$a = 0.589$ px

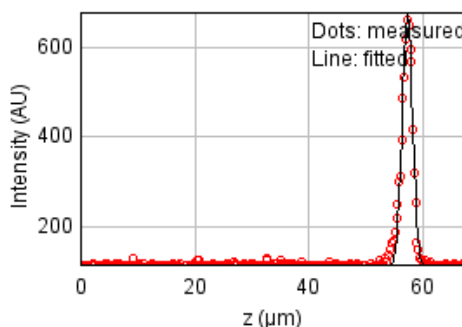
$b = -0.139$ px

$c = 0.037$ px

$xc = 6.872$ px

$yc = 8.272$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38369.6754

Standard deviation: 11.17956

$R^2 = 0.98297$

Parameters:

$a = 113.21457$

$b = 681.52255$

$c = 57.32472$

$d = 0.89309$

Bead 2977 (Rejected)

Date : Mon Oct 17 13:53:54 PDT 2022

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

Frame size : 12 pixels

Coordinates : 140 μm (x), 90.5 μm (y), 55.3 μm (z)

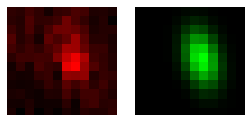
Corresponding bead : Not found

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

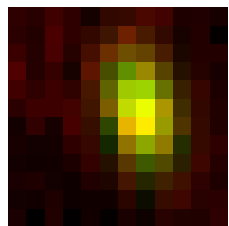
FWHM	Non corrected	Corrected	Theoretical
min	620 nm	645 nm	270 nm
max	1.06 μm	1.1 μm	270 nm
z	2.77 μm	2.78 μm	1.3 μm
Asymmetry	0.585		
Theta	-76.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.803$



Parameters:

A = 111.379 (brightness)

B = 120.807 (background)

a = 0.337 px

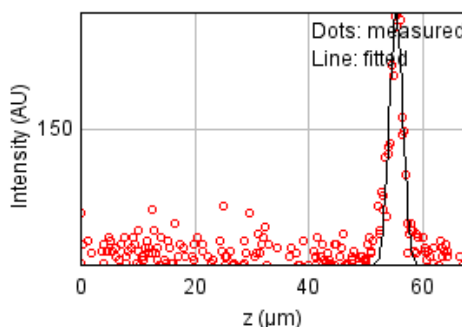
b = -0.053 px

c = 0.132 px

xc = 6.744 px

yc = 5.088 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13012.9903

Standard deviation: 6.51058

R^2 : 0.78806

Parameters:

a = 110.43953

b = 184.25907

c = 55.34359

d = 1.17423

Bead 2978

Date : Mon Oct 17 13:53:54 PDT 2022

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

Frame size : 12 pixels

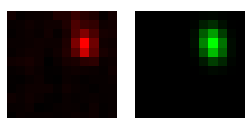
Coordinates : 106 um (x), 89.6 um (y), 39.4 um (z)

Corresponding bead : Not found

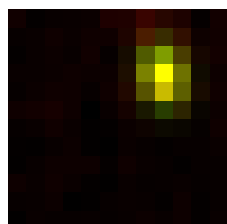
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	590 nm	614 nm	270 nm
z	1.81 um	1.82 um	1.3 um
Asymmetry	0.715		
Theta	-79.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 323.340 (brightness)

B = 113.662 (background)

a = 0.743 px

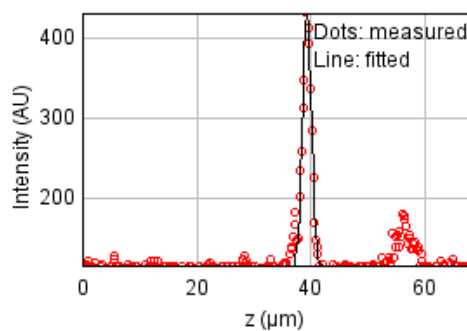
b = -0.066 px

c = 0.398 px

xc = 7.967 px

yc = 3.102 px

Z profile & fitting parameters:



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

Sum of residuals squared: 58017.3753

Standard deviation: 13.74706

R^2 : 0.91034

Parameters:

a = 115.97479

b = 430.61248

c = 39.39491

d = 0.76955

Bead 2979

Date : Mon Oct 17 13:53:54 PDT 2022

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

Frame size : 12 pixels

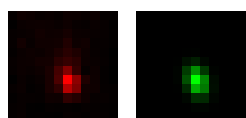
Coordinates : 92.4 μm (x), 86.5 μm (y), 57.2 μm (z)

Corresponding bead : Not found

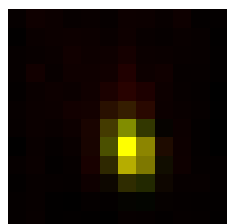
FWHM	Non corrected	Corrected	Theoretical
min	375 nm	390 nm	270 nm
max	547 nm	570 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.685		
Theta	-72.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 709.850 (brightness)

B = 127.620 (background)

a = 0.910 px

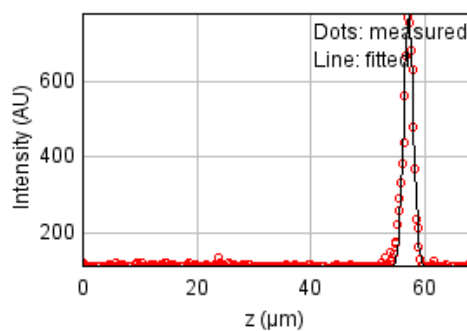
b = -0.145 px

c = 0.494 px

xc = 6.165 px

yc = 7.155 px

Z profile & fitting parameters:



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

Sum of residuals squared: 47860.3358

Standard deviation: 12.48587

R^2 : 0.98341

Parameters:

a = 112.75743

b = 776.60128

c = 57.17935

d = 0.83540

Bead 2980

Date : Mon Oct 17 13:53:54 PDT 2022

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

Frame size : 12 pixels

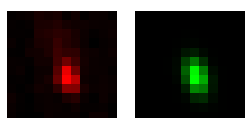
Coordinates : 154 um (x), 86.4 um (y), 56.5 um (z)

Corresponding bead : Not found

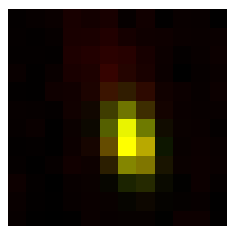
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	662 nm	690 nm	270 nm
z	1.95 um	1.96 um	1.3 um
Asymmetry	0.599		
Theta	-74.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 426.335 (brightness)

B = 119.379 (background)

a = 0.814 px

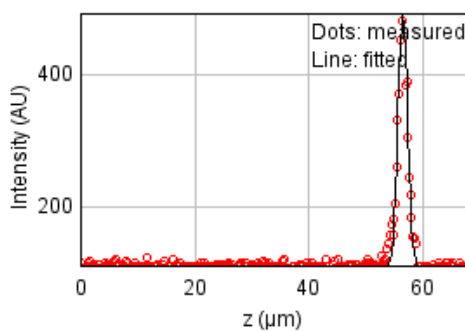
b = -0.141 px

c = 0.345 px

xc = 6.185 px

yc = 6.640 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21711.5180

Standard deviation: 8.40961

R^2 : 0.97727

Parameters:

a = 111.10683

b = 493.67143

c = 56.51548

d = 0.82730

Bead 2981 (Rejected)

Date : Mon Oct 17 13:53:54 PDT 2022

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

Frame size : 12 pixels

Coordinates : 103 um (x), 85.1 um (y), 57.0 um (z)

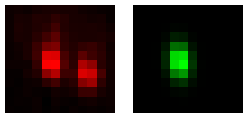
Corresponding bead : Not found

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

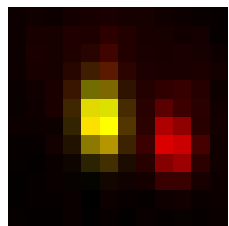
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	646 nm	673 nm	270 nm
z	3.64 um	3.65 um	1.3 um
Asymmetry	0.614		
Theta	-85.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.566$



Parameters:

A = 561.116 (brightness)

B = 159.572 (background)

a = 0.847 px

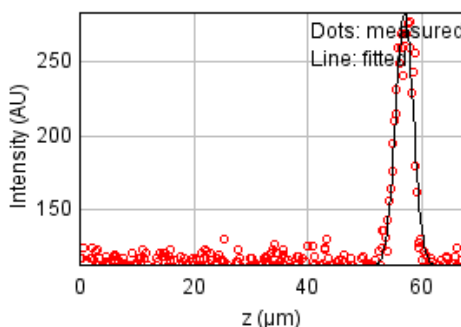
b = -0.045 px

c = 0.325 px

xc = 4.556 px

yc = 5.631 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23036.2235

Standard deviation: 8.66236

R^2 : 0.93587

Parameters:

a = 112.10687

b = 283.57576

c = 56.99797

d = 1.54380

Bead 2982 (Rejected)

Date : Mon Oct 17 13:53:54 PDT 2022

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

Frame size : 12 pixels

Coordinates : 88.5 μm (x), 84.2 μm (y), 56.5 μm (z)

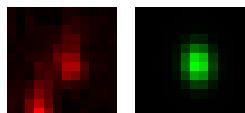
Corresponding bead : Not found

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

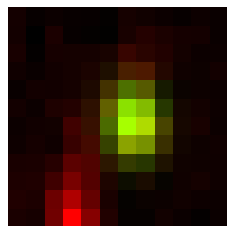
FWHM	Non corrected	Corrected	Theoretical
min	511 nm	532 nm	270 nm
max	685 nm	713 nm	270 nm
z	2.4 μm	2.41 μm	1.3 μm
Asymmetry	0.746		
Theta	-85.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.475$



Parameters:

A = 259.293 (brightness)

B = 160.490 (background)

a = 0.513 px

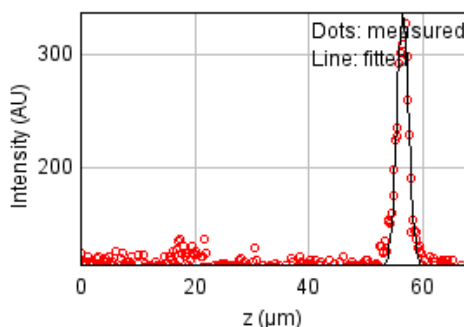
b = -0.017 px

c = 0.288 px

xc = 6.342 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: 26714.7395

Standard deviation: 9.32838

R^2 : 0.93508

Parameters:

a = 113.88087

b = 336.19162

c = 56.50428

d = 1.02082

Bead 2983

Date : Mon Oct 17 13:53:54 PDT 2022

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

Frame size : 12 pixels

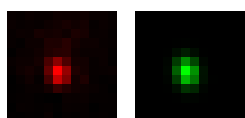
Coordinates : -106 μm (x), 83.2 μm (y), 45.2 μm (z)

Corresponding bead : Not found

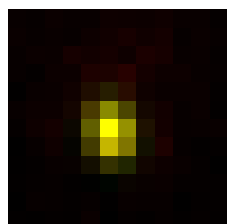
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	537 nm	560 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.766		
Theta	-78.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 488.998 (brightness)

B = 120.672 (background)

a = 0.778 px

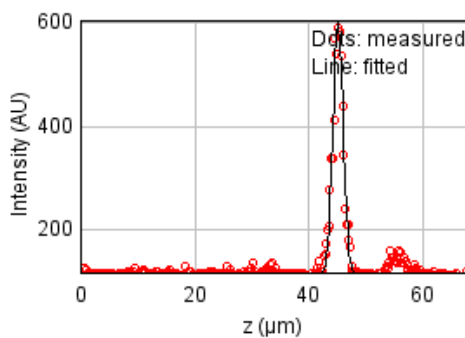
b = -0.064 px

c = 0.478 px

$x_c = 5.151$ px

$y_c = 6.163$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 47179.1160

Standard deviation: 12.39669

R^2 : 0.97175

Parameters:

a = 115.48914

b = 606.22042

c = 45.17557

d = 0.87661

Bead 2984 (Rejected)

Date : Mon Oct 17 13:53:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : 110 μm (x), 80.3 μm (y), 56.2 μm (z)

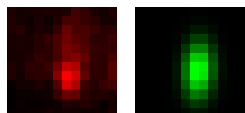
Corresponding bead : Not found

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

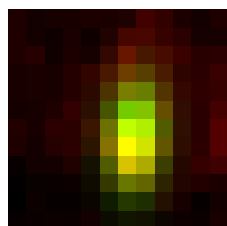
FWHM	Non corrected	Corrected	Theoretical
min	551 nm	574 nm	270 nm
max	1.06 μm	1.1 μm	270 nm
z	2.56 μm	2.58 μm	1.3 μm
Asymmetry	0.521		
Theta	87.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.830$



Parameters:

A = 232.392 (brightness)

B = 135.534 (background)

a = 0.441 px

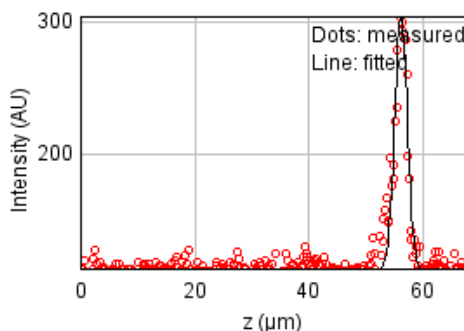
b = 0.016 px

c = 0.121 px

xc = 6.411 px

yc = 6.395 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24454.6701

Standard deviation: 8.92507

R^2 : 0.92579

Parameters:

a = 112.78995

b = 304.80612

c = 56.20844

d = 1.08909

Bead 2985

Date : Mon Oct 17 13:53:55 PDT 2022

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

Frame size : 12 pixels

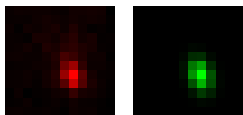
Coordinates : 118 um (x), 80.2 um (y), 57.1 um (z)

Corresponding bead : Not found

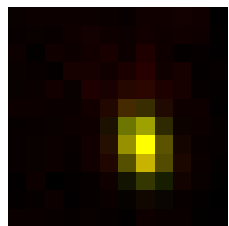
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	600 nm	625 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.653		
Theta	-75.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 539.053 (brightness)

B = 124.589 (background)

a = 0.842 px

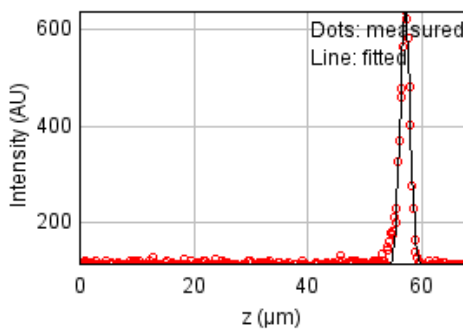
b = -0.125 px

c = 0.406 px

xc = 6.837 px

yc = 7.014 px

Z profile & fitting parameters:



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

Sum of residuals squared: 38013.6583

Standard deviation: 11.12758

R^2 : 0.97974

Parameters:

a = 112.63666

b = 640.22117

c = 57.10971

d = 0.85805

Bead 2986 (Rejected)

Date : Mon Oct 17 13:53:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : 110 μm (x), 80.3 μm (y), 56.2 μm (z)

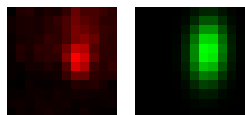
Corresponding bead : Not found

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

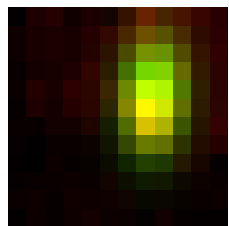
FWHM	Non corrected	Corrected	Theoretical
min	635 nm	662 nm	270 nm
max	1.14 μm	1.18 μm	270 nm
z	2.56 μm	2.58 μm	1.3 μm
Asymmetry	0.558		
Theta	87.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 232.071 (brightness)

B = 122.566 (background)

a = 0.332 px

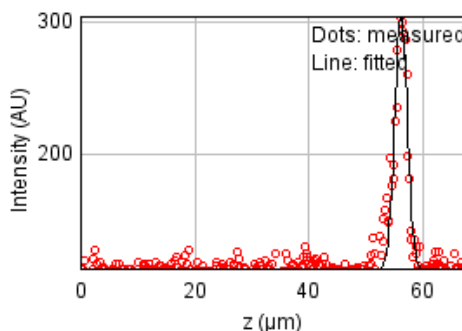
b = 0.011 px

c = 0.104 px

xc = 7.425 px

yc = 4.301 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24454.6701

Standard deviation: 8.92507

R^2 : 0.92579

Parameters:

a = 112.78995

b = 304.80612

c = 56.20844

d = 1.08909

Bead 2987

Date : Mon Oct 17 13:53:55 PDT 2022

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

Frame size : 12 pixels

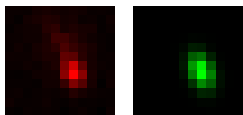
Coordinates : 156 um (x), 72.8 um (y), 57.1 um (z)

Corresponding bead : Not found

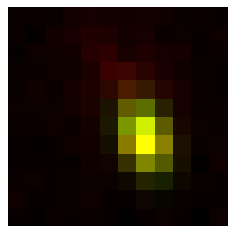
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	438 nm	270 nm
max	664 nm	691 nm	270 nm
z	1.95 um	1.95 um	1.3 um
Asymmetry	0.633		
Theta	-71.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.913$



Parameters:

A = 404.018 (brightness)

B = 120.880 (background)

a = 0.712 px

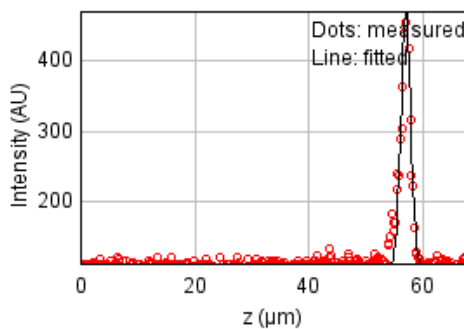
b = -0.139 px

c = 0.353 px

xc = 6.937 px

yc = 6.569 px

Z profile & fitting parameters:



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

Sum of residuals squared: 41615.7086

Standard deviation: 11.64285

R^2 : 0.95145

Parameters:

a = 112.14840

b = 469.90970

c = 57.06039

d = 0.82657

Bead 2988 (Rejected)

Date : Mon Oct 17 13:53:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : 161 um (x), 46.6 um (y), 46.8 um (z)

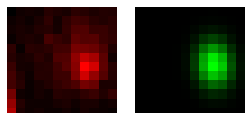
Corresponding bead : Not found

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

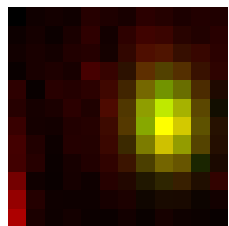
FWHM	Non corrected	Corrected	Theoretical
min	638 nm	664 nm	270 nm
max	858 nm	894 nm	270 nm
z	1.88 um	1.89 um	1.3 um
Asymmetry	0.743		
Theta	-83.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.779$



Parameters:

A = 182.270 (brightness)

B = 134.105 (background)

a = 0.328 px

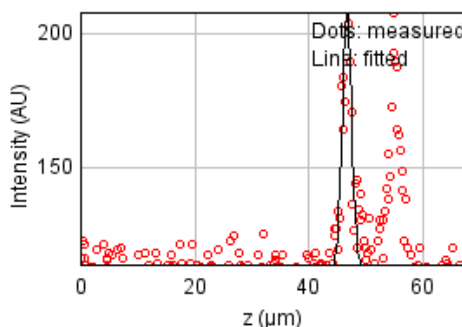
b = -0.016 px

c = 0.184 px

xc = 8.125 px

yc = 5.755 px

Z profile & fitting parameters:



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

Sum of residuals squared: 63256.6672

Standard deviation: 14.35436

R^2 : 0.46687

Parameters:

a = 113.89632

b = 208.74236

c = 46.75174

d = 0.79761

Bead 2989 (Rejected)

Date : Mon Oct 17 13:53:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : -147 μm (x), -35.0 μm (y), 53.8 μm (z)

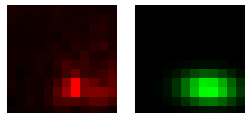
Corresponding bead : Not found

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

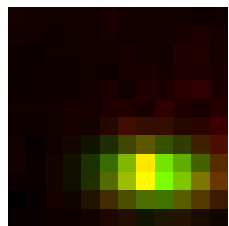
FWHM	Non corrected	Corrected	Theoretical
min	544 nm	567 nm	270 nm
max	1.01 μm	1.05 μm	270 nm
z	3.38 μm	3.39 μm	1.3 μm
Asymmetry	0.541		
Theta	-3.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.814$



Parameters:

$A = 287.719$ (brightness)

$B = 125.510$ (background)

$a = 0.134$ px

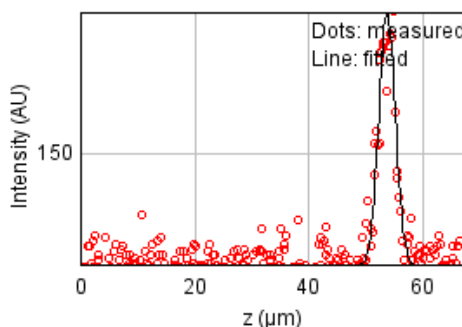
$b = -0.017$ px

$c = 0.452$ px

$xc = 7.515$ px

$yc = 8.604$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 13068.5718

Standard deviation: 6.52446

$R^2: 0.86417$

Parameters:

$a = 111.13017$

$b = 199.35108$

$c = 53.78666$

$d = 1.43350$

Bead 2990

Date : Mon Oct 17 13:53:56 PDT 2022

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

Frame size : 12 pixels

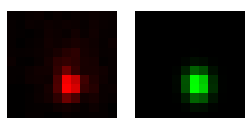
Coordinates : -97.2 μm (x), -65.8 μm (y), 57.0 μm (z)

Corresponding bead : Not found

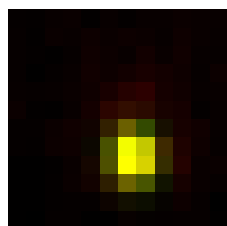
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	462 nm	270 nm
max	531 nm	553 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.836		
Theta	-84.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 629.538 (brightness)

B = 125.309 (background)

a = 0.679 px

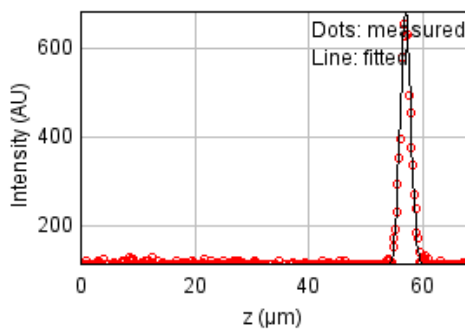
b = -0.018 px

c = 0.478 px

xc = 6.344 px

yc = 7.524 px

Z profile & fitting parameters:



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

Sum of residuals squared: 37543.4188

Standard deviation: 11.05854

R^2 : 0.98355

Parameters:

a = 114.15913

b = 681.60346

c = 56.99921

d = 0.90838

Bead 2991

Date : Mon Oct 17 13:53:56 PDT 2022

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

Frame size : 12 pixels

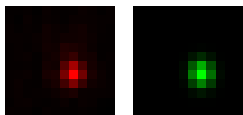
Coordinates : -42.5 μm (x), -77.1 μm (y), 57.4 μm (z)

Corresponding bead : Not found

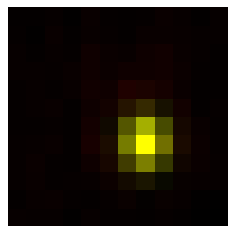
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	498 nm	519 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.831		
Theta	-88.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 875.999 (brightness)

B = 134.938 (background)

a = 0.782 px

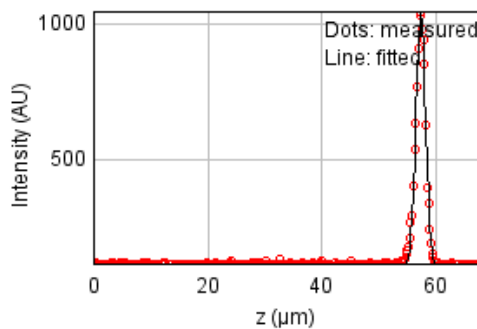
b = -0.007 px

c = 0.541 px

xc = 6.963 px

yc = 6.850 px

Z profile & fitting parameters:



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

Sum of residuals squared: 40122.2088

Standard deviation: 11.43203

R^2 : 0.99281

Parameters:

a = 113.47109

b = 1044.49257

c = 57.38993

d = 0.82928

Bead 2992

Date : Mon Oct 17 13:53:56 PDT 2022

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

Frame size : 12 pixels

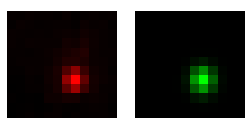
Coordinates : 1.07 μm (x), -92.7 μm (y), 57.4 μm (z)

Corresponding bead : Not found

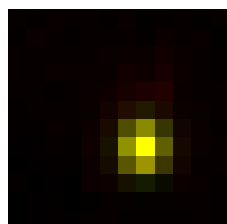
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	481 nm	501 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.867		
Theta	87.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 1036.476 (brightness)

B = 128.491 (background)

a = 0.771 px

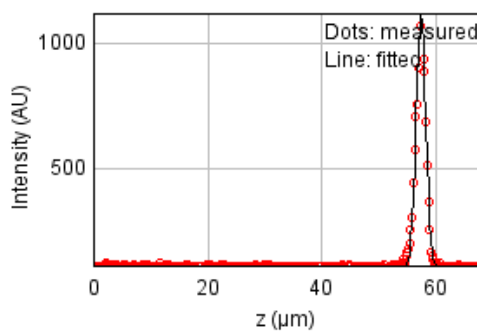
b = 0.008 px

c = 0.581 px

xc = 6.864 px

yc = 7.030 px

Z profile & fitting parameters:



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

Sum of residuals squared: 56717.1383

Standard deviation: 13.59214

R^2 : 0.99134

Parameters:

a = 113.95656

b = 1117.06081

c = 57.41852

d = 0.83737

Bead 2993 (Rejected)

Date : Mon Oct 17 13:53:56 PDT 2022

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

Frame size : 12 pixels

Coordinates : 117 um (x), 95.8 um (y), 56.8 um (z)

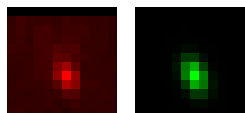
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

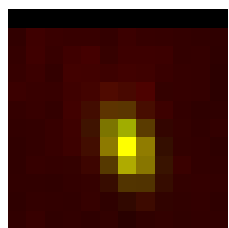
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	647 nm	674 nm	270 nm
z	1.86 um	1.87 um	1.3 um
Asymmetry	0.629		
Theta	-66.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.740$



Parameters:

A = 439.354 (brightness)

B = 110.441 (background)

a = 0.733 px

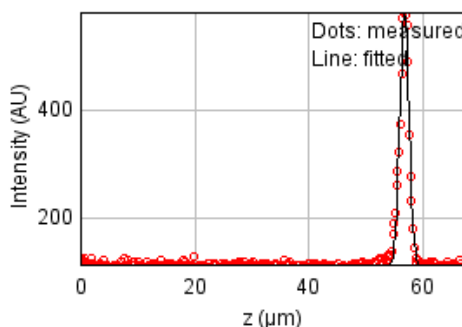
b = -0.177 px

c = 0.396 px

xc = 6.004 px

yc = 6.992 px

Z profile & fitting parameters:



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

Sum of residuals squared: 27319.3063

Standard deviation: 9.43334

R^2 : 0.98009

Parameters:

a = 112.47358

b = 581.44157

c = 56.80878

d = 0.79186

Bead 2994 (Rejected)

Date : Mon Oct 17 13:53:56 PDT 2022

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

Frame size : 12 pixels

Coordinates : 81.8 um (x), 93.8 um (y), 4.16 um (z)

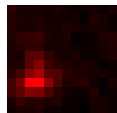
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	1.84 um	1.85 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

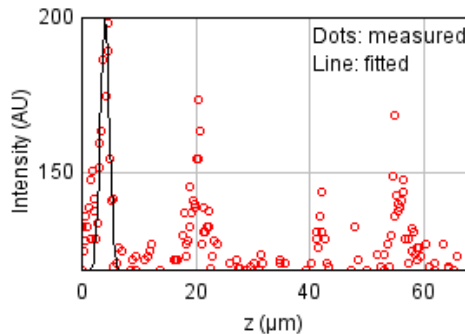
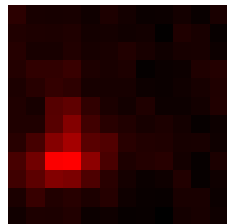
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 42312.7701

Standard deviation: 11.73996

R²: 0.48874

Parameters:

a = 118.37357

b = 200.19449

c = 4.16364

d = 0.78192

Bead 2995

Date : Mon Oct 17 13:53:56 PDT 2022

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

Frame size : 12 pixels

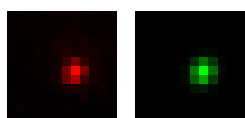
Coordinates : -59.0 μm (x), 92.5 μm (y), 57.4 μm (z)

Corresponding bead : Not found

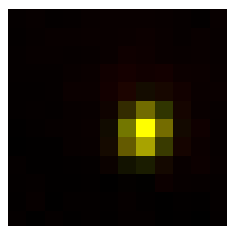
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	464 nm	483 nm	270 nm
z	1.66 μm	1.67 μm	1.3 μm
Asymmetry	0.857		
Theta	66.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1053.072$ (brightness)

$B = 124.255$ (background)

$a = 0.814$ px

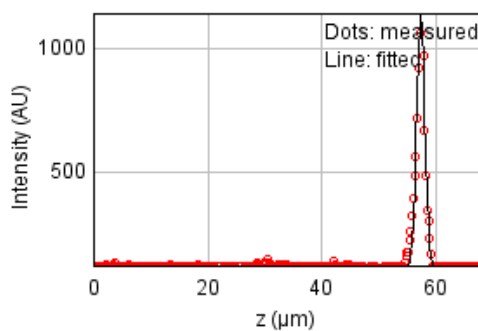
$b = 0.083$ px

$c = 0.659$ px

$x_c = 6.953$ px

$y_c = 6.164$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 122354.451

Standard deviation: 19.96368

$R^2: 0.97922$

Parameters:

$a = 115.21395$

$b = 1141.07387$

$c = 57.38991$

$d = 0.70609$

Bead 2996

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

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

Frame size : 12 pixels

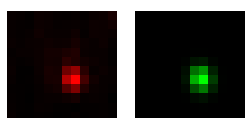
Coordinates : 45.7 um (x), 91.9 um (y), 57.6 um (z)

Corresponding bead : Not found

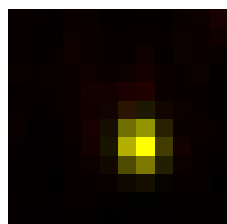
FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	457 nm	476 nm	270 nm
z	1.82 um	1.83 um	1.3 um
Asymmetry	0.835		
Theta	-80.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 953.582 (brightness)

B = 129.240 (background)

a = 0.912 px

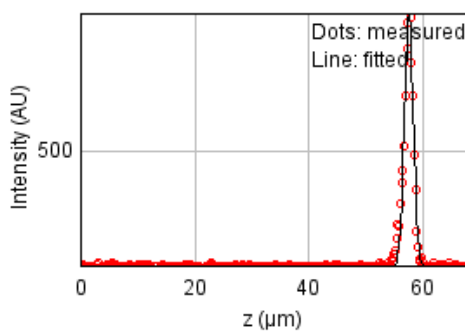
b = -0.046 px

c = 0.649 px

xc = 6.704 px

yc = 6.899 px

Z profile & fitting parameters:



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

Sum of residuals squared: 67867.1354

Standard deviation: 14.86827

R^2 : 0.98423

Parameters:

a = 115.10306

b = 957.00954

c = 57.57955

d = 0.77282

Bead 2997

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

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

Frame size : 12 pixels

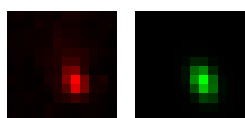
Coordinates : 117 um (x), 91.6 um (y), 57.0 um (z)

Corresponding bead : Not found

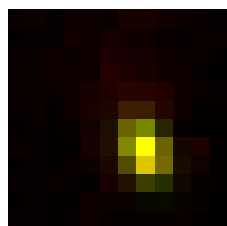
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	592 nm	617 nm	270 nm
z	1.89 um	1.9 um	1.3 um
Asymmetry	0.663		
Theta	-68.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 507.492 (brightness)

B = 122.470 (background)

a = 0.803 px

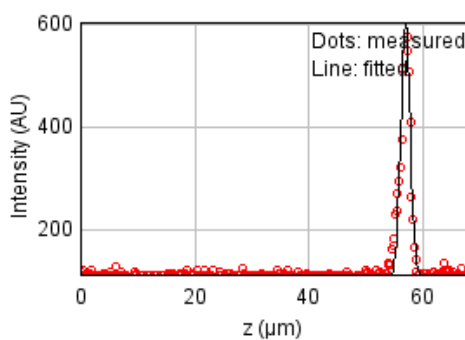
b = -0.168 px

c = 0.450 px

xc = 6.940 px

yc = 7.192 px

Z profile & fitting parameters:



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

Sum of residuals squared: 49314.5162

Standard deviation: 12.67413

R^2 : 0.96794

Parameters:

a = 112.86172

b = 602.57805

c = 57.00452

d = 0.80445

Bead 2998

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

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

Frame size : 12 pixels

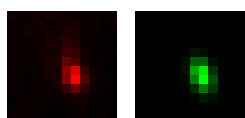
Coordinates : 108 um (x), 86.7 um (y), 57.2 um (z)

Corresponding bead : Not found

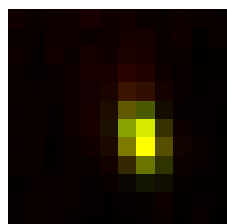
FWHM	Non corrected	Corrected	Theoretical
min	364 nm	379 nm	270 nm
max	595 nm	620 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.611		
Theta	-72.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 602.770 (brightness)

B = 127.901 (background)

a = 0.957 px

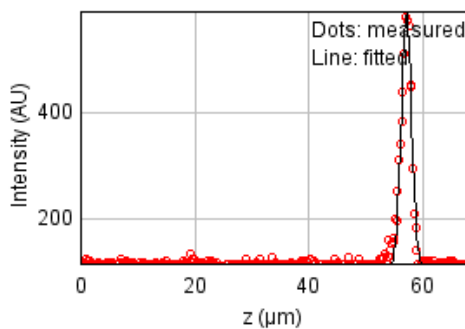
b = -0.181 px

c = 0.435 px

xc = 6.790 px

yc = 6.513 px

Z profile & fitting parameters:



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

Sum of residuals squared: 38325.2192

Standard deviation: 11.17309

R^2 : 0.97586

Parameters:

a = 113.90705

b = 593.62528

c = 57.16227

d = 0.87593

Bead 2999 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : 39.3 μm (x), 83.8 μm (y), 57.6 μm (z)

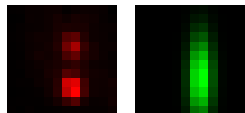
Corresponding bead : Not found

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

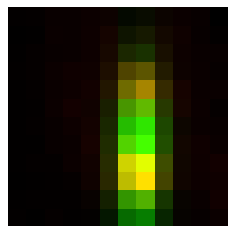
FWHM	Non corrected	Corrected	Theoretical
min	441 nm	459 nm	270 nm
max	1.54 μm	1.6 μm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.287		
Theta	89.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.644$



Parameters:

A = 584.736 (brightness)

B = 139.436 (background)

a = 0.689 px

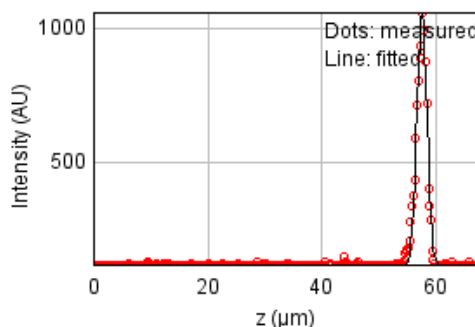
b = 0.004 px

c = 0.057 px

xc = 6.638 px

yc = 7.448 px

Z profile & fitting parameters:



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

Sum of residuals squared: 108359.275

Standard deviation: 18.78728

R^2 : 0.98234

Parameters:

a = 114.69410

b = 1057.35019

c = 57.60182

d = 0.88267

Bead 3000

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

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

Frame size : 12 pixels

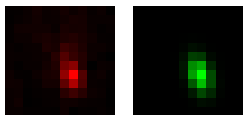
Coordinates : 121 μm (x), 82.4 μm (y), 57.1 μm (z)

Corresponding bead : Not found

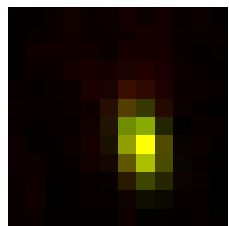
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	657 nm	684 nm	270 nm
z	1.97 μm	1.97 μm	1.3 μm
Asymmetry	0.59		
Theta	-74.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 431.450$ (brightness)

$B = 123.183$ (background)

$a = 0.855$ px

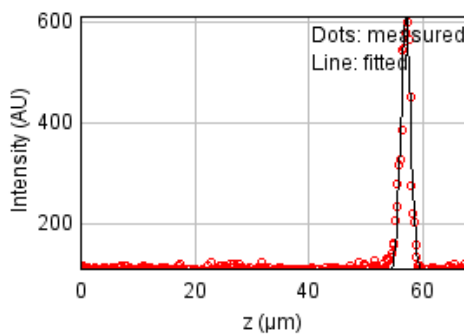
$b = -0.147$ px

$c = 0.351$ px

$x_c = 6.781$ px

$y_c = 6.987$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 45364.1062

Standard deviation: 12.15590

$R^2: 0.97274$

Parameters:

$a = 111.46603$

$b = 613.19634$

$c = 57.05231$

$d = 0.83467$