

Bead 3701

Date : Mon Oct 17 13:54:33 PDT 2022

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

Frame size : 12 pixels

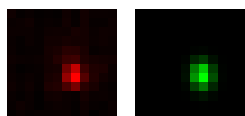
Coordinates : -130 μm (x), -88.3 μm (y), 60.3 μm (z)

Corresponding bead : Not found

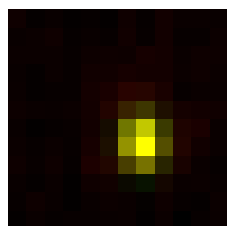
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	506 nm	527 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.775		
Theta	-86.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 442.444$ (brightness)

$B = 119.703$ (background)

$a = 0.871$ px

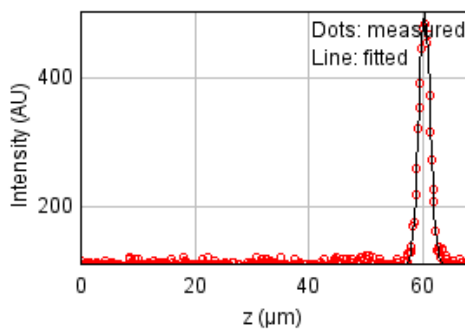
$b = -0.021$ px

$c = 0.526$ px

$x_c = 6.812$ px

$y_c = 6.726$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 16415.9785

Standard deviation: 7.31247

$R^2: 0.98577$

Parameters:

$a = 111.95098$

$b = 501.22949$

$c = 60.32725$

$d = 0.98168$

Bead 3702

Date : Mon Oct 17 13:54:33 PDT 2022

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

Frame size : 12 pixels

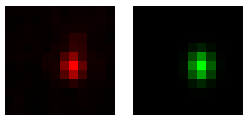
Coordinates : 14.9 μm (x), -89.2 μm (y), 60.8 μm (z)

Corresponding bead : Not found

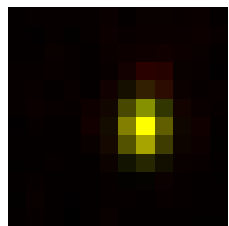
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	515 nm	537 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.771		
Theta	89.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 811.404 (brightness)

B = 123.227 (background)

a = 0.851 px

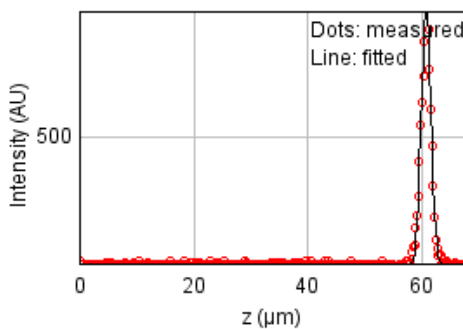
b = 0.002 px

c = 0.505 px

xc = 6.910 px

yc = 6.062 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33106.5403

Standard deviation: 10.38455

R^2 : 0.99145

Parameters:

a = 114.15514

b = 883.64028

c = 60.78697

d = 0.84224

Bead 3703

Date : Mon Oct 17 13:54:33 PDT 2022

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

Frame size : 12 pixels

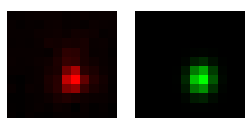
Coordinates : -32.8 μm (x), -90.3 μm (y), 61.1 μm (z)

Corresponding bead : Not found

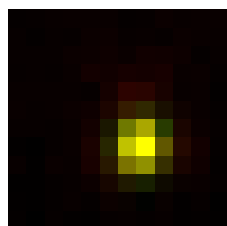
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	462 nm	270 nm
max	522 nm	543 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.851		
Theta	83.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 813.377$ (brightness)

$B = 133.304$ (background)

$a = 0.678$ px

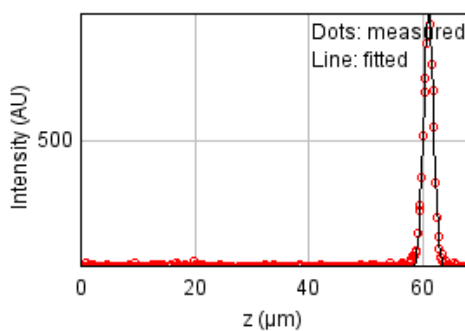
$b = 0.022$ px

$c = 0.496$ px

$x_c = 6.705$ px

$y_c = 6.943$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28390.7823

Standard deviation: 9.61655

$R^2 = 0.99311$

Parameters:

$a = 113.74886$

$b = 902.51732$

$c = 61.05068$

$d = 0.85416$

Bead 3704

Date : Mon Oct 17 13:54:33 PDT 2022

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

Frame size : 12 pixels

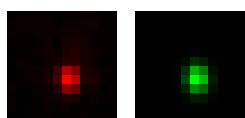
Coordinates : -14.5 μm (x), -92.3 μm (y), 60.8 μm (z)

Corresponding bead : Not found

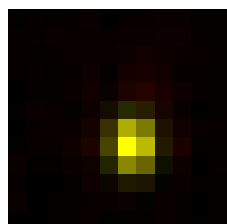
FWHM	Non corrected	Corrected	Theoretical
min	406 nm	422 nm	270 nm
max	510 nm	531 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.795		
Theta	-87.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 738.933 (brightness)

B = 126.221 (background)

a = 0.815 px

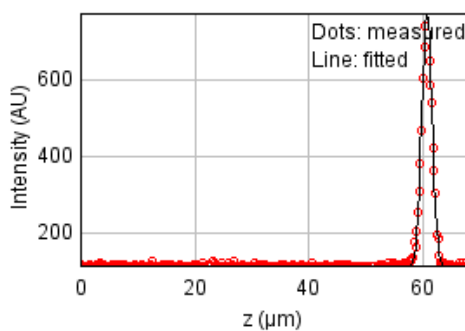
b = -0.015 px

c = 0.516 px

xc = 6.304 px

yc = 6.887 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24250.9309

Standard deviation: 8.88782

R^2 : 0.99200

Parameters:

a = 112.19642

b = 776.32125

c = 60.75578

d = 0.88762

Bead 3705 (Rejected)

Date : Mon Oct 17 13:54:33 PDT 2022

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

Frame size : 12 pixels

Coordinates : 103 um (x), 86.6 um (y), 57.5 um (z)

Corresponding bead : Not found

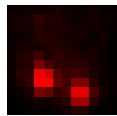
Reason of rejection : R or C parameter off limits.



FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.02 um	3.03 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

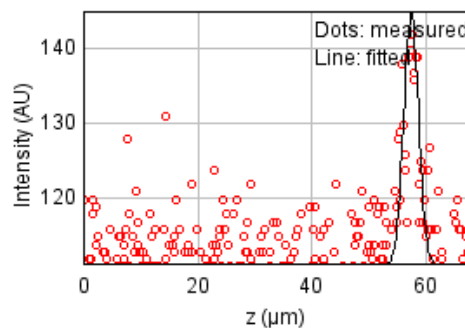
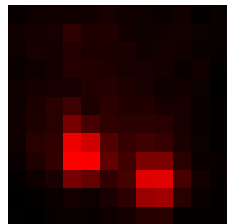
XY profile & fitting parameters :

(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: 12797.7923

Standard deviation: 6.45652

R²: 0.46107

Parameters:

a = 111.23508

b = 144.93025

c = 57.46951

d = 1.28308

Bead 3706 (Rejected)

Date : Mon Oct 17 13:54:33 PDT 2022

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

Frame size : 12 pixels

Coordinates : 95.1 μm (x), 61.3 μm (y), 57.8 μm (z)

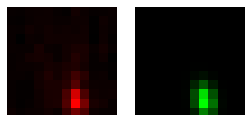
Corresponding bead : Not found

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

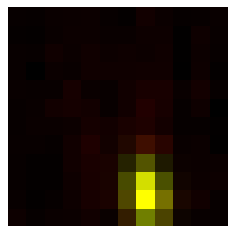
FWHM	Non corrected	Corrected	Theoretical
min	355 nm	369 nm	270 nm
max	576 nm	600 nm	270 nm
z	2.82 μm	2.83 μm	1.3 μm
Asymmetry	0.616		
Theta	-81.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 441.924 (brightness)

B = 123.112 (background)

a = 1.054 px

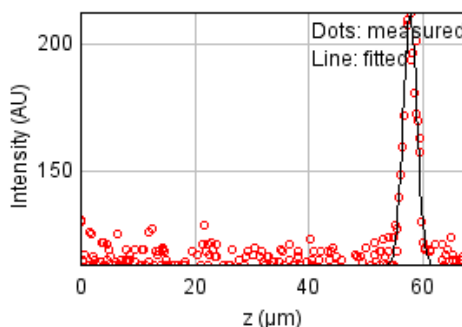
b = -0.095 px

c = 0.419 px

xc = 7.077 px

yc = 9.683 px

Z profile & fitting parameters:



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

Sum of residuals squared: 11146.5989

Standard deviation: 6.02562

R^2 : 0.89091

Parameters:

a = 112.45722

b = 212.77079

c = 57.79628

d = 1.19793

Bead 3707 (Rejected)

Date : Mon Oct 17 13:54:33 PDT 2022

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

Frame size : 12 pixels

Coordinates : -158 μm (x), 4.44 μm (y), 60.5 μm (z)

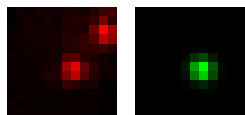
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

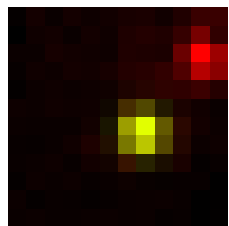
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	423 nm	441 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.981		
Theta	-47.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.403$



Parameters:

A = 338.502 (brightness)

B = 135.026 (background)

a = 0.766 px

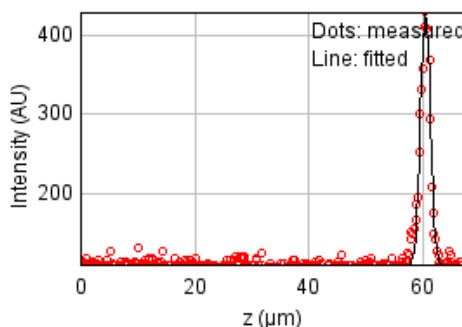
b = -0.014 px

c = 0.763 px

xc = 6.817 px

yc = 6.329 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23866.0905

Standard deviation: 8.81701

R^2 : 0.96475

Parameters:

a = 111.08729

b = 427.76841

c = 60.49233

d = 0.84588

Bead 3708

Date : Mon Oct 17 13:54:34 PDT 2022

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

Frame size : 12 pixels

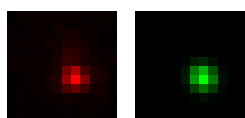
Coordinates : -150 μm (x), -27.3 μm (y), 60.9 μm (z)

Corresponding bead : Not found

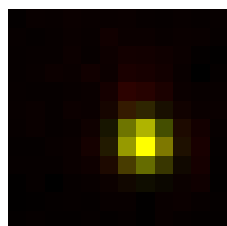
FWHM	Non corrected	Corrected	Theoretical
min	451 nm	470 nm	270 nm
max	481 nm	501 nm	270 nm
z	1.97 μm	1.97 μm	1.3 μm
Asymmetry	0.937		
Theta	-53.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 609.941 (brightness)

B = 120.643 (background)

a = 0.631 px

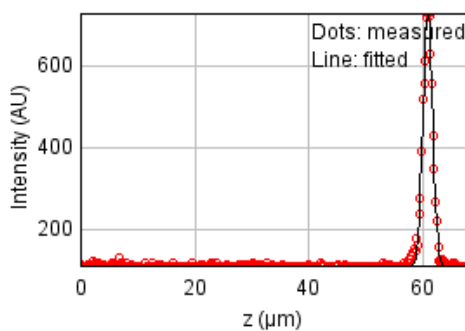
b = -0.039 px

c = 0.608 px

xc = 6.888 px

yc = 6.781 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21451.2893

Standard deviation: 8.35906

R^2 : 0.99131

Parameters:

a = 112.04168

b = 728.75662

c = 60.90485

d = 0.83484

Bead 3709

Date : Mon Oct 17 13:54:34 PDT 2022

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

Frame size : 12 pixels

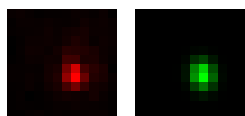
Coordinates : -147 μm (x), -32.8 μm (y), 61.0 μm (z)

Corresponding bead : Not found

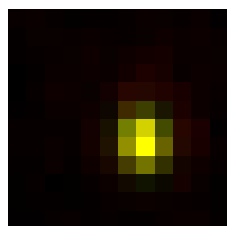
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	520 nm	542 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.804		
Theta	-81.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 736.062 (brightness)

B = 125.390 (background)

a = 0.762 px

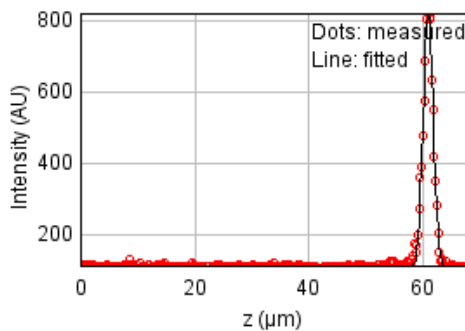
b = -0.040 px

c = 0.502 px

$x_c = 6.861$ px

$y_c = 6.688$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29377.5345

Standard deviation: 9.78224

R^2 : 0.99130

Parameters:

a = 111.83097

b = 821.07421

c = 60.99039

d = 0.86525

Bead 3710

Date : Mon Oct 17 13:54:34 PDT 2022

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

Frame size : 12 pixels

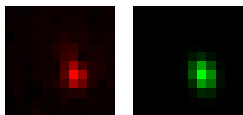
Coordinates : -122 μm (x), -33.3 μm (y), 60.6 μm (z)

Corresponding bead : Not found

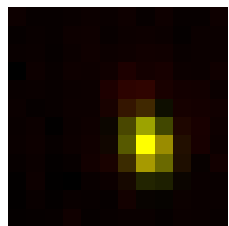
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	550 nm	572 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.718		
Theta	-73.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 472.689$ (brightness)

$B = 121.880$ (background)

$a = 0.829$ px

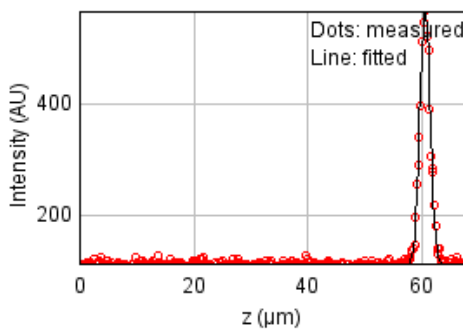
$b = -0.111$ px

$c = 0.477$ px

$x_c = 7.138$ px

$y_c = 7.004$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21589.6044

Standard deviation: 8.38597

$R^2: 0.98499$

Parameters:

$a = 112.01229$

$b = 567.02593$

$c = 60.59642$

$d = 0.89061$

Bead 3711

Date : Mon Oct 17 13:54:34 PDT 2022

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

Frame size : 12 pixels

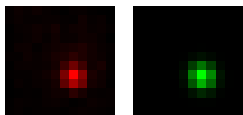
Coordinates : -53.0 μm (x), -56.7 μm (y), 60.6 μm (z)

Corresponding bead : Not found

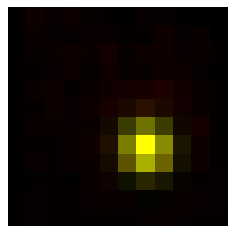
FWHM	Non corrected	Corrected	Theoretical
min	450 nm	469 nm	270 nm
max	482 nm	502 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.934		
Theta	-76.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 506.943 (brightness)

B = 120.553 (background)

a = 0.658 px

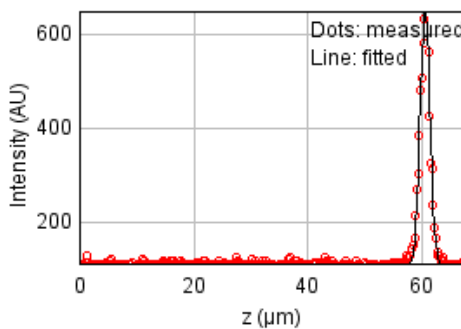
b = -0.019 px

c = 0.583 px

xc = 7.041 px

yc = 7.182 px

Z profile & fitting parameters:



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

Sum of residuals squared: 27016.8660

Standard deviation: 9.38098

R^2 : 0.98588

Parameters:

a = 113.48040

b = 650.37828

c = 60.60156

d = 0.84989

Bead 3712

Date : Mon Oct 17 13:54:34 PDT 2022

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

Frame size : 12 pixels

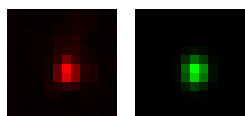
Coordinates : -93.3 μm (x), -63.1 μm (y), 61.0 μm (z)

Corresponding bead : Not found

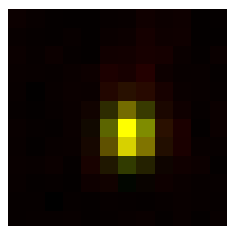
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	436 nm	270 nm
max	504 nm	525 nm	270 nm
z	2.02 μm	2.02 μm	1.3 μm
Asymmetry	0.83		
Theta	-88.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 638.574$ (brightness)

$B = 123.512$ (background)

$a = 0.766$ px

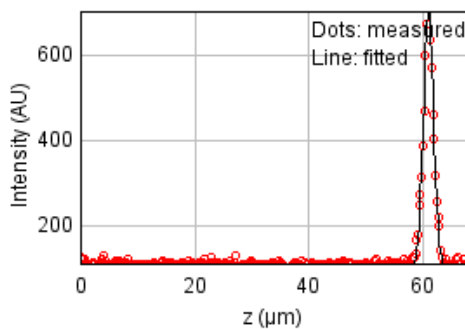
$b = -0.008$ px

$c = 0.529$ px

$x_c = 6.110$ px

$y_c = 6.311$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27911.4310

Standard deviation: 9.53503

$R^2 = 0.98800$

Parameters:

$a = 112.94867$

$b = 703.37937$

$c = 61.03487$

$d = 0.85634$

Bead 3713

Date : Mon Oct 17 13:54:34 PDT 2022

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

Frame size : 12 pixels

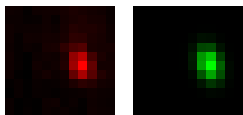
Coordinates : -86.3 μm (x), -69.6 μm (y), 60.1 μm (z)

Corresponding bead : Not found

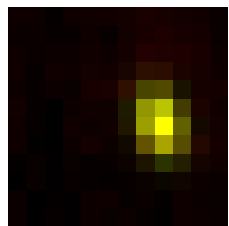
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	440 nm	270 nm
max	641 nm	667 nm	270 nm
z	3.64 μm	3.65 μm	1.3 μm
Asymmetry	0.659		
Theta	-75.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 391.572$ (brightness)

$B = 118.585$ (background)

$a = 0.724$ px

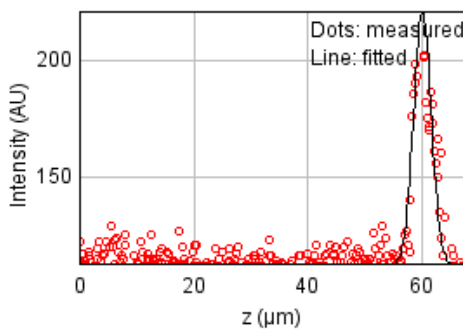
$b = -0.107$ px

$c = 0.356$ px

$x_c = 7.807$ px

$y_c = 5.815$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21736.5503

Standard deviation: 8.41446

$R^2: 0.85927$

Parameters:

$a = 113.25581$

$b = 220.98948$

$c = 60.13539$

$d = 1.54397$

Bead 3714

Date : Mon Oct 17 13:54:34 PDT 2022

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

Frame size : 12 pixels

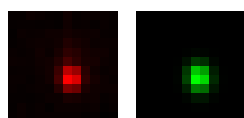
Coordinates : -65.7 μm (x), -69.8 μm (y), 60.7 μm (z)

Corresponding bead : Not found

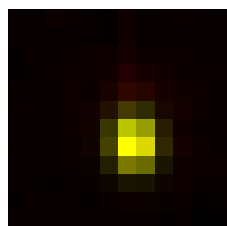
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	518 nm	540 nm	270 nm
z	2.29 μm	2.3 μm	1.3 μm
Asymmetry	0.808		
Theta	-83.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 677.983$ (brightness)

$B = 123.487$ (background)

$a = 0.762$ px

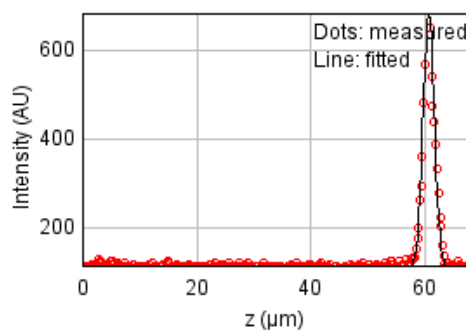
$b = -0.029$ px

$c = 0.503$ px

$x_c = 6.381$ px

$y_c = 6.776$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 62479.6635

Standard deviation: 14.26593

$R^2: 0.97457$

Parameters:

$a = 113.38033$

$b = 681.27696$

$c = 60.71381$

$d = 0.97069$

Bead 3715

Date : Mon Oct 17 13:54:35 PDT 2022

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

Frame size : 12 pixels

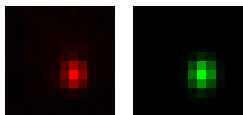
Coordinates : -42.7 μm (x), -71.8 μm (y), 60.7 μm (z)

Corresponding bead : Not found

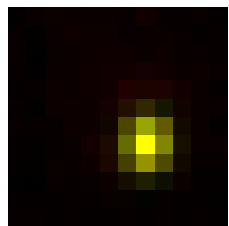
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	440 nm	270 nm
max	518 nm	539 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.815		
Theta	86.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 664.210 (brightness)

B = 122.700 (background)

a = 0.752 px

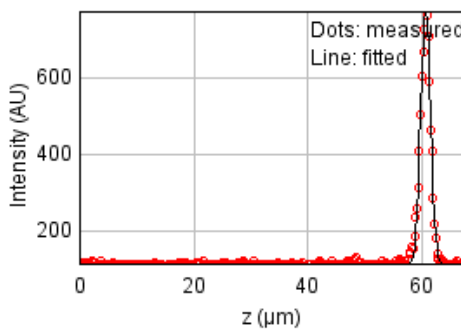
b = 0.017 px

c = 0.501 px

$x_c = 7.069$ px

$y_c = 6.937$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21891.9642

Standard deviation: 8.44449

R^2 : 0.99240

Parameters:

a = 113.61749

b = 771.68817

c = 60.69661

d = 0.85795

Bead 3716 (Rejected)

Date : Mon Oct 17 13:54:35 PDT 2022

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

Frame size : 12 pixels

Coordinates : 158 μm (x), -72.7 μm (y), 58.1 μm (z)

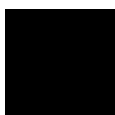
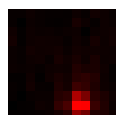
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.44 μm	3.46 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

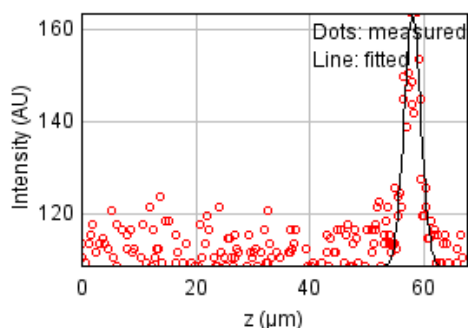
XY profile & fitting parameters :

(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: 14216.9523

Standard deviation: 6.80509

R²: 0.69478

Parameters:

a = 108.88167

b = 163.43248

c = 58.05167

d = 1.46161

Bead 3717

Date : Mon Oct 17 13:54:35 PDT 2022

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

Frame size : 12 pixels

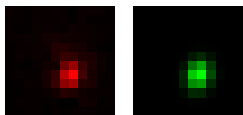
Coordinates : -94.5 μm (x), -78.0 μm (y), 60.7 μm (z)

Corresponding bead : Not found

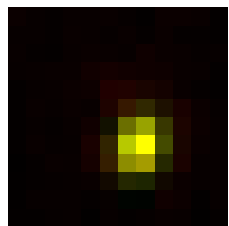
FWHM	Non corrected	Corrected	Theoretical
min	424 nm	441 nm	270 nm
max	545 nm	567 nm	270 nm
z	1.75 μm	1.75 μm	1.3 μm
Asymmetry	0.778		
Theta	75.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 655.760 (brightness)

B = 123.553 (background)

a = 0.729 px

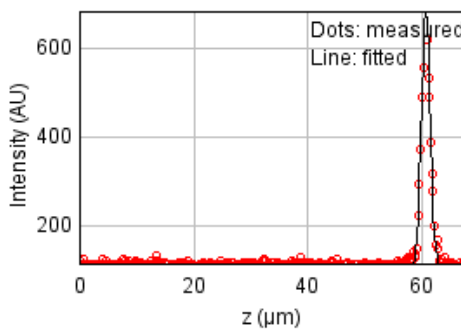
b = 0.071 px

c = 0.471 px

xc = 6.663 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: 32996.3060

Standard deviation: 10.36725

R^2 : 0.98266

Parameters:

a = 113.83926

b = 684.26176

c = 60.73321

d = 0.74216

Bead 3718

Date : Mon Oct 17 13:54:35 PDT 2022

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

Frame size : 12 pixels

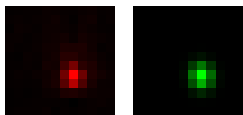
Coordinates : -62.3 μm (x), -81.5 μm (y), 61.2 μm (z)

Corresponding bead : Not found

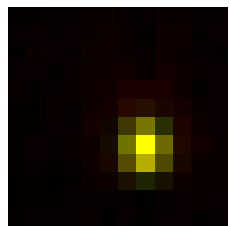
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	480 nm	499 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.834		
Theta	-86.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 920.569 (brightness)

B = 128.625 (background)

a = 0.838 px

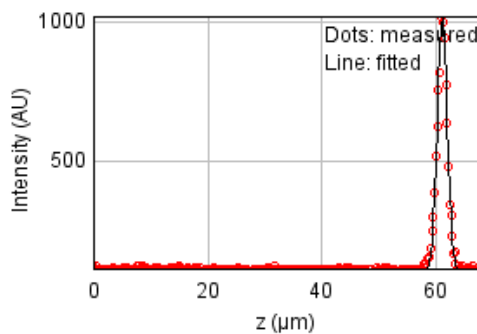
b = -0.016 px

c = 0.584 px

$x_c = 6.973$ px

$y_c = 7.167$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31902.5915

Standard deviation: 10.19398

R^2 : 0.99411

Parameters:

a = 112.32309

b = 1017.61036

c = 61.16437

d = 0.85311

Bead 3719

Date : Mon Oct 17 13:54:35 PDT 2022

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

Frame size : 12 pixels

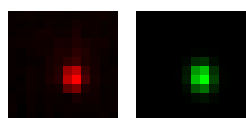
Coordinates : -37.9 μm (x), -82.3 μm (y), 60.8 μm (z)

Corresponding bead : Not found

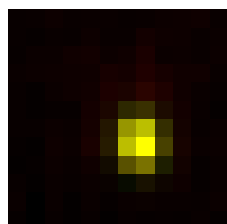
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	497 nm	517 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.806		
Theta	-84.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 682.556 (brightness)

B = 125.075 (background)

a = 0.836 px

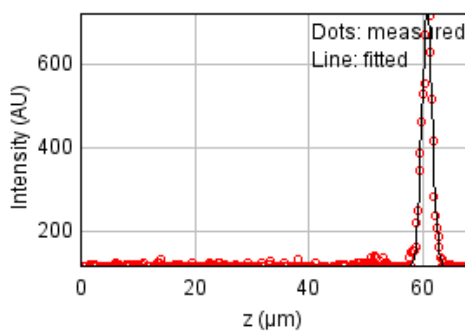
b = -0.026 px

c = 0.546 px

$x_c = 6.669$ px

$y_c = 6.751$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 35852.9669

Standard deviation: 10.80671

R^2 : 0.98612

Parameters:

a = 114.41016

b = 722.88059

c = 60.78360

d = 0.89599

Bead 3720 (Rejected)

Date : Mon Oct 17 13:54:35 PDT 2022

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

Frame size : 12 pixels

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

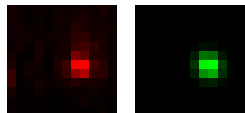
Corresponding bead : Not found

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

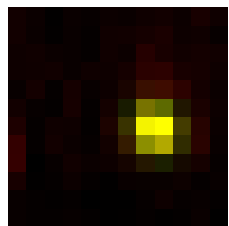
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	467 nm	486 nm	270 nm
z	3.19 μm	3.2 μm	1.3 μm
Asymmetry	0.888		
Theta	-66.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 481.136 (brightness)

B = 128.903 (background)

a = 0.754 px

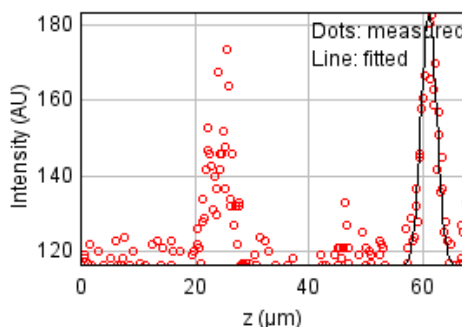
b = -0.061 px

c = 0.642 px

xc = 7.543 px

yc = 6.137 px

Z profile & fitting parameters:



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

Sum of residuals squared: 37823.1314

Standard deviation: 11.09966

R^2 : 0.54844

Parameters:

a = 116.13135

b = 183.45477

c = 61.11352

d = 1.35392

Bead 3721

Date : Mon Oct 17 13:54:35 PDT 2022

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

Frame size : 12 pixels

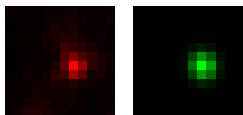
Coordinates : -121 μm (x), -83.1 μm (y), 61.1 μm (z)

Corresponding bead : Not found

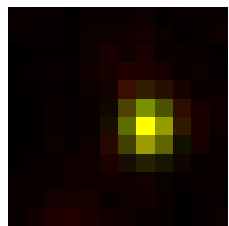
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	465 nm	270 nm
max	503 nm	524 nm	270 nm
z	1.91 μm	1.92 μm	1.3 μm
Asymmetry	0.887		
Theta	-79.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 444.636$ (brightness)

$B = 126.939$ (background)

$a = 0.668$ px

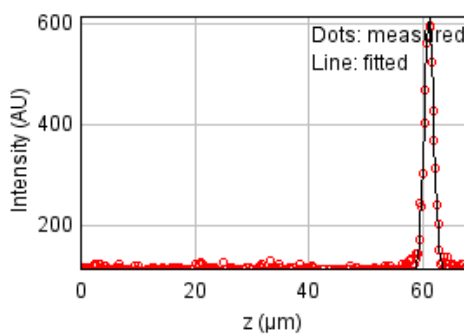
$b = -0.025$ px

$c = 0.534$ px

$x_c = 7.132$ px

$y_c = 6.035$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22092.1282

Standard deviation: 8.48300

$R^2: 0.98618$

Parameters:

$a = 112.51603$

$b = 614.06515$

$c = 61.11366$

$d = 0.81233$

Bead 3722

Date : Mon Oct 17 13:54:35 PDT 2022

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

Frame size : 12 pixels

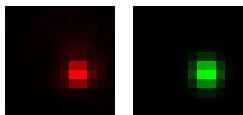
Coordinates : -86.8 μm (x), -83.5 μm (y), 61.3 μm (z)

Corresponding bead : Not found

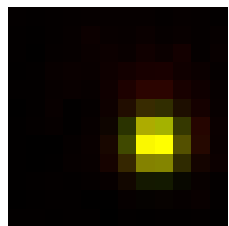
FWHM	Non corrected	Corrected	Theoretical
min	475 nm	494 nm	270 nm
max	514 nm	536 nm	270 nm
z	2.36 μm	2.37 μm	1.3 μm
Asymmetry	0.923		
Theta	89.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1220.311$ (brightness)

$B = 138.726$ (background)

$a = 0.595$ px

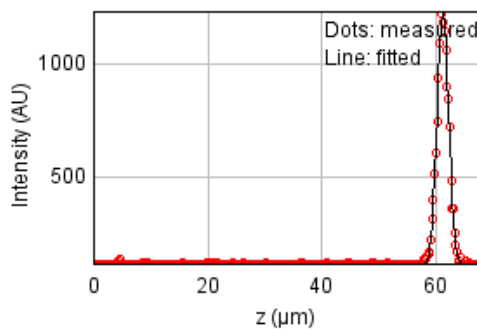
$b = 0.001$ px

$c = 0.507$ px

$x_c = 7.525$ px

$y_c = 6.859$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 41386.0158

Standard deviation: 11.61068

$R^2: 0.99576$

Parameters:

$a = 113.43484$

$b = 1241.06228$

$c = 61.28182$

$d = 1.00063$

Bead 3723

Date : Mon Oct 17 13:54:35 PDT 2022

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

Frame size : 12 pixels

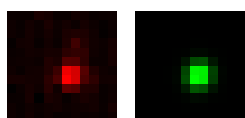
Coordinates : 132 μm (x), -90.0 μm (y), 60.5 μm (z)

Corresponding bead : Not found

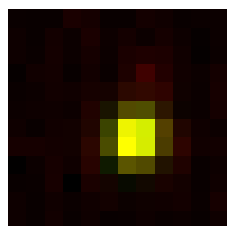
FWHM	Non corrected	Corrected	Theoretical
min	452 nm	470 nm	270 nm
max	488 nm	509 nm	270 nm
z	2.29 μm	2.29 μm	1.3 μm
Asymmetry	0.925		
Theta	71.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 373.447$ (brightness)

$B = 117.393$ (background)

$a = 0.648$ px

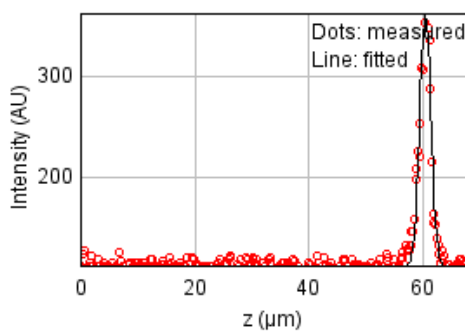
$b = 0.029$ px

$c = 0.573$ px

$x_c = 6.461$ px

$y_c = 6.515$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22839.2777

Standard deviation: 8.62526

$R^2: 0.95411$

Parameters:

$a = 110.76968$

$b = 363.71014$

$c = 60.47135$

$d = 0.97050$

Bead 3724 (Rejected)

Date : Mon Oct 17 13:54:35 PDT 2022

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

Frame size : 12 pixels

Coordinates : -35.1 μm (x), -90.3 μm (y), 60.9 μm (z)

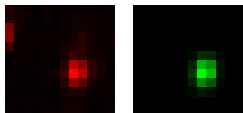
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

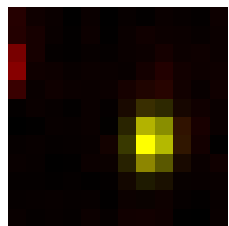
FWHM	Non corrected	Corrected	Theoretical
min	382 nm	397 nm	270 nm
max	520 nm	541 nm	270 nm
z	2.32 μm	2.33 μm	1.3 μm
Asymmetry	0.734		
Theta	83.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.806$



Parameters:

A = 582.655 (brightness)

B = 135.488 (background)

a = 0.916 px

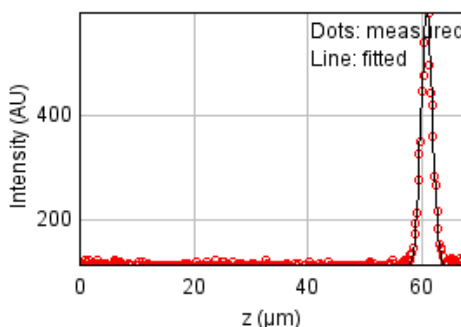
b = 0.048 px

c = 0.503 px

xc = 7.333 px

yc = 6.824 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24435.9142

Standard deviation: 8.92165

R^2 : 0.98628

Parameters:

a = 114.01029

b = 597.02331

c = 60.89687

d = 0.98519

Bead 3725 (Rejected)

Date : Mon Oct 17 13:54:35 PDT 2022

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

Frame size : 12 pixels

Coordinates : -22.2 μm (x), -90.5 μm (y), 59.8 μm (z)

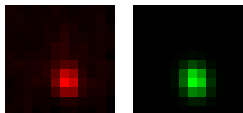
Corresponding bead : Not found

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

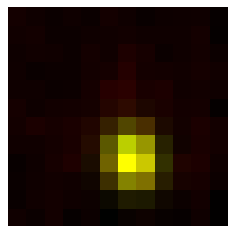
FWHM	Non corrected	Corrected	Theoretical
min	472 nm	492 nm	270 nm
max	559 nm	583 nm	270 nm
z	4.06 μm	4.07 μm	1.3 μm
Asymmetry	0.845		
Theta	-76.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 422.634 (brightness)

B = 125.633 (background)

a = 0.591 px

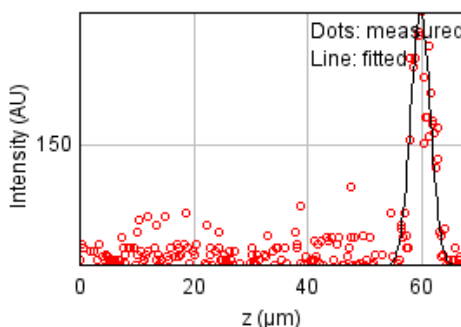
b = -0.041 px

c = 0.439 px

xc = 6.280 px

yc = 7.764 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19062.9482

Standard deviation: 7.87999

R^2 : 0.80830

Parameters:

a = 112.19126

b = 191.96364

c = 59.80339

d = 1.72305

Bead 3726

Date : Mon Oct 17 13:54:35 PDT 2022

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

Frame size : 12 pixels

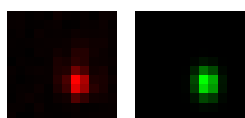
Coordinates : -1.04 μm (x), -90.4 μm (y), 60.8 μm (z)

Corresponding bead : Not found

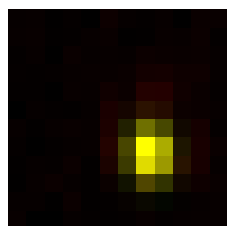
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	524 nm	546 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.759		
Theta	-87.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 577.420$ (brightness)

$B = 124.115$ (background)

$a = 0.847$ px

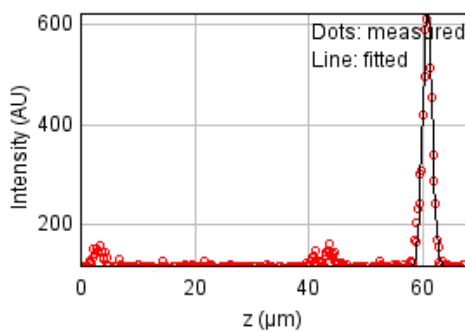
$b = -0.019$ px

$c = 0.490$ px

$x_c = 7.273$ px

$y_c = 7.354$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 49531.0952

Standard deviation: 12.70193

$R^2: 0.97082$

Parameters:

$a = 116.85771$

$b = 625.24009$

$c = 60.84309$

$d = 0.82709$

Bead 3727

Date : Mon Oct 17 13:54:36 PDT 2022

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

Frame size : 12 pixels

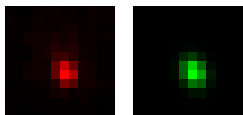
Coordinates : -48.8 μm (x), -91.6 μm (y), 61.0 μm (z)

Corresponding bead : Not found

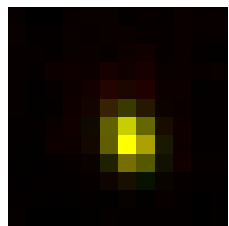
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	533 nm	555 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.775		
Theta	-65.4°		

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 = 728.452 (brightness)

B = 122.898 (background)

a = 0.733 px

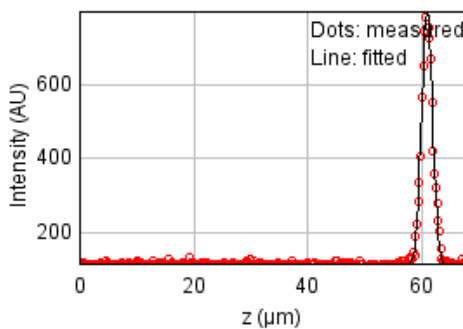
b = -0.119 px

c = 0.527 px

xc = 6.142 px

yc = 6.733 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24923.0246

Standard deviation: 9.01013

R^2 : 0.99275

Parameters:

a = 113.16933

b = 799.17278

c = 60.96329

d = 0.94738

Bead 3728

Date : Mon Oct 17 13:54:36 PDT 2022

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

Frame size : 12 pixels

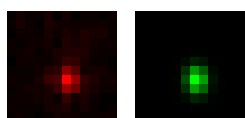
Coordinates : 131 μm (x), -93.8 μm (y), 60.6 μm (z)

Corresponding bead : Not found

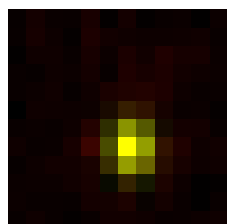
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	415 nm	270 nm
max	510 nm	531 nm	270 nm
z	2.35 μm	2.36 μm	1.3 μm
Asymmetry	0.783		
Theta	-86.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 323.280 (brightness)

B = 118.230 (background)

a = 0.843 px

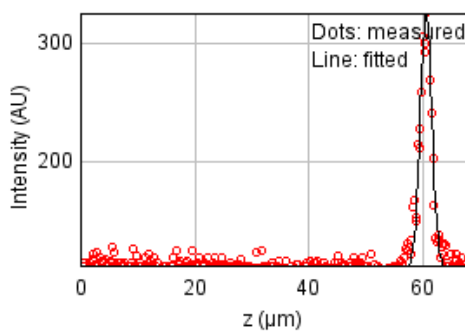
b = -0.017 px

c = 0.518 px

xc = 6.217 px

yc = 7.037 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22662.9996

Standard deviation: 8.59191

R^2 : 0.93934

Parameters:

a = 111.59530

b = 326.06318

c = 60.60426

d = 0.99920

Bead 3729 (Rejected)

Date : Mon Oct 17 13:54:36 PDT 2022

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

Frame size : 12 pixels

Coordinates : -3.01 μm (x), -96.2 μm (y), 60.9 μm (z)

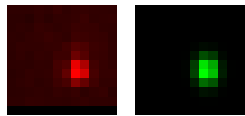
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

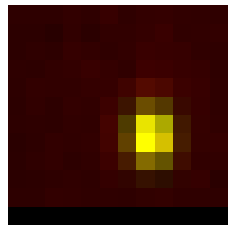
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	419 nm	270 nm
max	523 nm	545 nm	270 nm
z	2.1 μm	2.1 μm	1.3 μm
Asymmetry	0.769		
Theta	-88.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.815$



Parameters:

A = 608.566 (brightness)

B = 111.384 (background)

a = 0.827 px

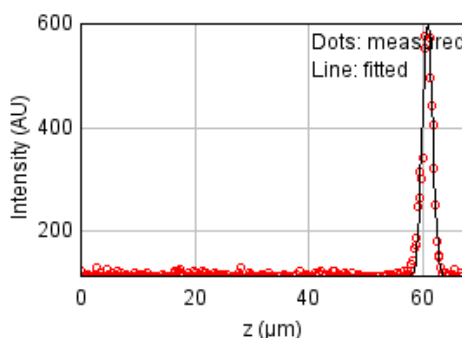
b = -0.009 px

c = 0.490 px

xc = 7.324 px

yc = 6.622 px

Z profile & fitting parameters:



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

Sum of residuals squared: 39756.7088

Standard deviation: 11.37984

R^2 : 0.97633

Parameters:

a = 113.90059

b = 603.70629

c = 60.85618

d = 0.88978

Bead 3730

Date : Mon Oct 17 13:54:36 PDT 2022

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

Frame size : 12 pixels

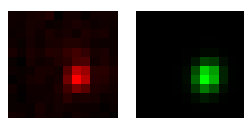
Coordinates : -162 μm (x), 2.82 μm (y), 60.2 μm (z)

Corresponding bead : Not found

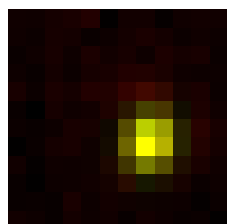
FWHM	Non corrected	Corrected	Theoretical
min	451 nm	470 nm	270 nm
max	538 nm	561 nm	270 nm
z	2.16 μm	2.16 μm	1.3 μm
Asymmetry	0.838		
Theta	76.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 239.574 (brightness)

B = 115.360 (background)

a = 0.649 px

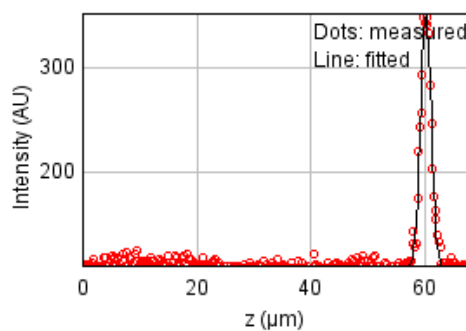
b = 0.044 px

c = 0.474 px

$x_c = 7.237$ px

$y_c = 6.700$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 11547.1553

Standard deviation: 6.13293

R^2 : 0.97261

Parameters:

a = 110.57295

b = 352.25071

c = 60.21659

d = 0.91535

Bead 3731

Date : Mon Oct 17 13:54:36 PDT 2022

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

Frame size : 12 pixels

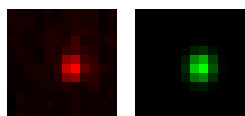
Coordinates : -161 μm (x), -9.32 μm (y), 60.6 μm (z)

Corresponding bead : Not found

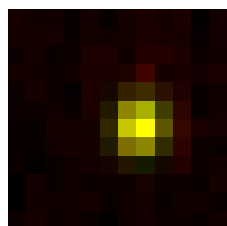
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	465 nm	270 nm
max	516 nm	537 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.866		
Theta	83.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 256.324 (brightness)

B = 113.896 (background)

a = 0.670 px

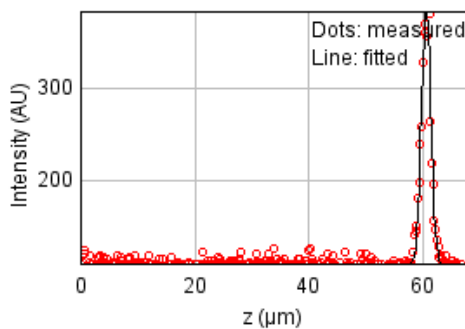
b = 0.019 px

c = 0.507 px

xc = 6.684 px

yc = 5.878 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17189.8922

Standard deviation: 7.48286

R^2 : 0.96447

Parameters:

a = 110.83841

b = 383.20177

c = 60.62663

d = 0.81552

Bead 3732

Date : Mon Oct 17 13:54:36 PDT 2022

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

Frame size : 12 pixels

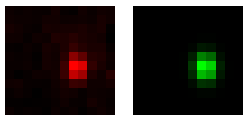
Coordinates : -159 μm (x), -27.7 μm (y), 60.7 μm (z)

Corresponding bead : Not found

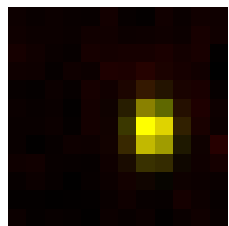
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	518 nm	540 nm	270 nm
z	2.47 μm	2.48 μm	1.3 μm
Asymmetry	0.766		
Theta	-88.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 389.236 (brightness)

B = 117.934 (background)

a = 0.851 px

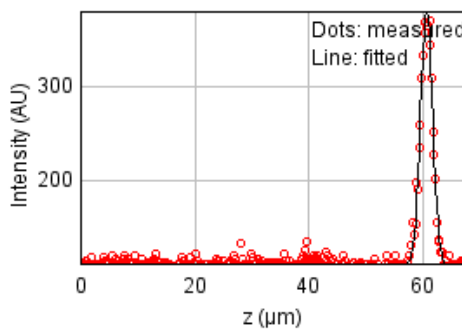
b = -0.011 px

c = 0.500 px

xc = 7.390 px

yc = 6.189 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13841.4655

Standard deviation: 6.71463

R^2 : 0.97682

Parameters:

a = 110.55794

b = 380.81541

c = 60.69300

d = 1.04868

Bead 3733 (Rejected)

Date : Mon Oct 17 13:54:36 PDT 2022

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

Frame size : 12 pixels

Coordinates : -142 μm (x), -30.1 μm (y), 27.9 μm (z)

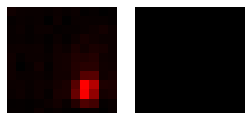
Corresponding bead : Not found

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

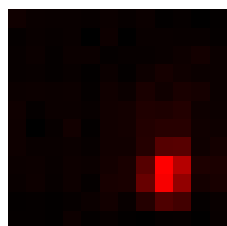
FWHM	Non corrected	Corrected	Theoretical
min	2.51 μm	2.61 μm	270 nm
max	3.66 μm	3.81 μm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.685		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.167$



Parameters:

A = -64.238 (brightness)

B = 180.387 (background)

a = 0.009 px

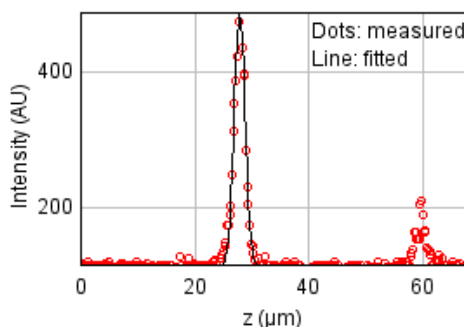
b = 0.015 px

c = 0.002 px

xc = 1.989 px

yc = 3.361 px

Z profile & fitting parameters:



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

Sum of residuals squared: 62938.0967

Standard deviation: 14.31817

R^2 : 0.94065

Parameters:

a = 114.53097

b = 485.86681

c = 27.93045

d = 0.94459

Bead 3734

Date : Mon Oct 17 13:54:36 PDT 2022

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

Frame size : 12 pixels

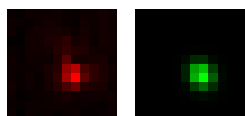
Coordinates : -120 μm (x), -39.2 μm (y), 60.8 μm (z)

Corresponding bead : Not found

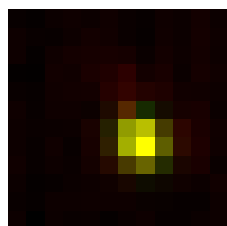
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	442 nm	270 nm
max	490 nm	510 nm	270 nm
z	1.88 μm	1.89 μm	1.3 μm
Asymmetry	0.867		
Theta	-56.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 455.988$ (brightness)

$B = 120.138$ (background)

$a = 0.687$ px

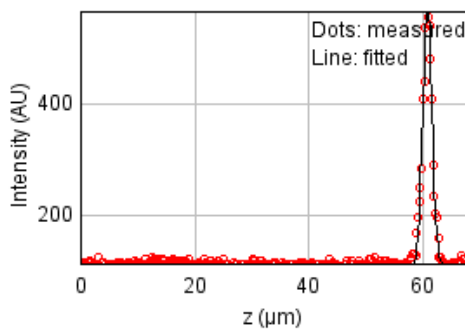
$b = -0.085$ px

$c = 0.616$ px

$x_c = 6.736$ px

$y_c = 6.699$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20914.1934

Standard deviation: 8.25375

$R^2: 0.98413$

Parameters:

$a = 112.65672$

$b = 571.08266$

$c = 60.83118$

$d = 0.79965$

Bead 3735

Date : Mon Oct 17 13:54:36 PDT 2022

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

Frame size : 12 pixels

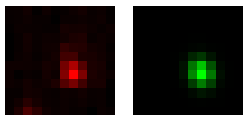
Coordinates : -147 μm (x), -41.6 μm (y), 61.0 μm (z)

Corresponding bead : Not found

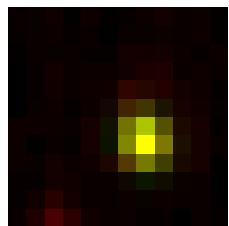
FWHM	Non corrected	Corrected	Theoretical
min	433 nm	451 nm	270 nm
max	522 nm	544 nm	270 nm
z	2.35 μm	2.36 μm	1.3 μm
Asymmetry	0.829		
Theta	-75.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.909$



Parameters:

A = 488.658 (brightness)

B = 131.363 (background)

a = 0.702 px

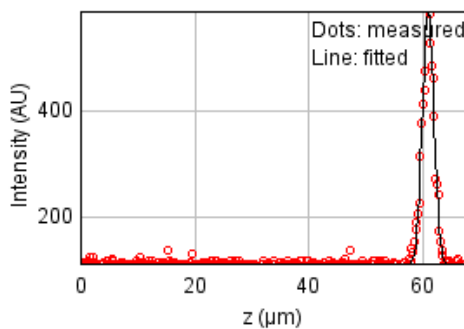
b = -0.053 px

c = 0.505 px

xc = 6.938 px

yc = 6.758 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28886.2421

Standard deviation: 9.70010

R^2 : 0.98358

Parameters:

a = 111.36180

b = 587.87917

c = 60.97577

d = 0.99802

Bead 3736

Date : Mon Oct 17 13:54:37 PDT 2022

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

Frame size : 12 pixels

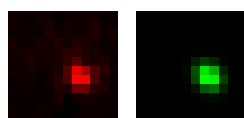
Coordinates : -144 μm (x), -42.3 μm (y), 60.9 μm (z)

Corresponding bead : Not found

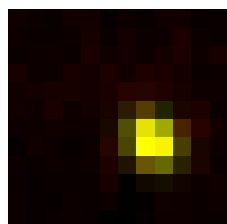
FWHM	Non corrected	Corrected	Theoretical
min	421 nm	438 nm	270 nm
max	512 nm	533 nm	270 nm
z	2.37 μm	2.38 μm	1.3 μm
Asymmetry	0.821		
Theta	-51.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 487.876 (brightness)

B = 121.955 (background)

a = 0.664 px

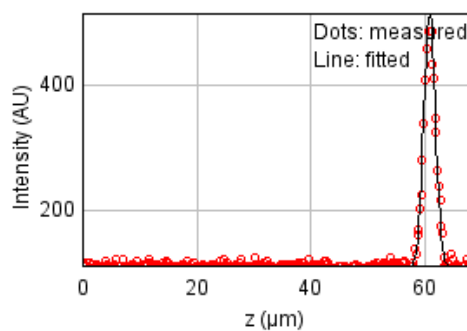
b = -0.120 px

c = 0.606 px

$x_c = 7.405$ px

$y_c = 6.674$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18622.8621

Standard deviation: 7.78850

R^2 : 0.98532

Parameters:

a = 111.86151

b = 515.28780

c = 60.86888

d = 1.00590

Bead 3737

Date : Mon Oct 17 13:54:37 PDT 2022

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

Frame size : 12 pixels

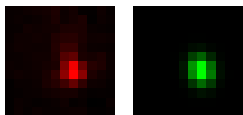
Coordinates : -130 μm (x), -44.9 μm (y), 60.8 μm (z)

Corresponding bead : Not found

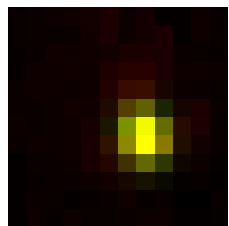
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	545 nm	568 nm	270 nm
z	2.24 μm	2.24 μm	1.3 μm
Asymmetry	0.801		
Theta	-77.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 443.854 (brightness)

B = 122.921 (background)

a = 0.691 px

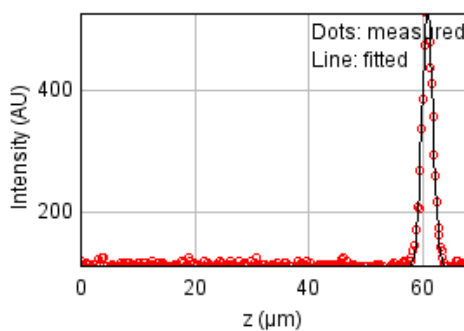
b = -0.051 px

c = 0.462 px

xc = 6.922 px

yc = 6.517 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19284.0028

Standard deviation: 7.92555

R^2 : 0.98500

Parameters:

a = 110.85427

b = 528.25477

c = 60.84906

d = 0.94914

Bead 3738

Date : Mon Oct 17 13:54:37 PDT 2022

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

Frame size : 12 pixels

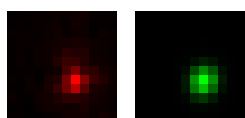
Coordinates : -123 μm (x), -45.7 μm (y), 61.1 μm (z)

Corresponding bead : Not found

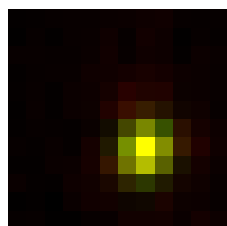
FWHM	Non corrected	Corrected	Theoretical
min	474 nm	494 nm	270 nm
max	542 nm	565 nm	270 nm
z	1.82 μm	1.83 μm	1.3 μm
Asymmetry	0.875		
Theta	73.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 380.474$ (brightness)

$B = 120.393$ (background)

$a = 0.586$ px

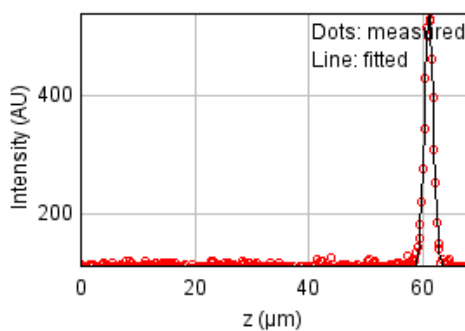
$b = 0.038$ px

$c = 0.468$ px

$x_c = 6.980$ px

$y_c = 7.179$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 13912.2107

Standard deviation: 6.73176

$R^2: 0.98742$

Parameters:

$a = 112.36910$

$b = 539.31105$

$c = 61.10464$

$d = 0.77487$

Bead 3739 (Rejected)

Date : Mon Oct 17 13:54:38 PDT 2022

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

Frame size : 12 pixels

Coordinates : -122 μm (x), -48.1 μm (y), 60.4 μm (z)

Corresponding bead : Not found

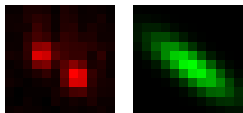
Reason of rejection : R or C parameter off limits.



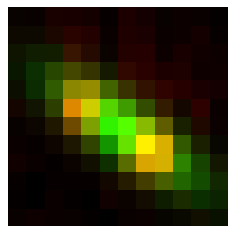
FWHM	Non corrected	Corrected	Theoretical
min	550 nm	573 nm	270 nm
max	1.64 μm	1.71 μm	270 nm
z	3.26 μm	3.27 μm	1.3 μm
Asymmetry	0.335		
Theta	-35.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.610$



Parameters:

A = 228.432 (brightness)

B = 122.853 (background)

a = 0.183 px

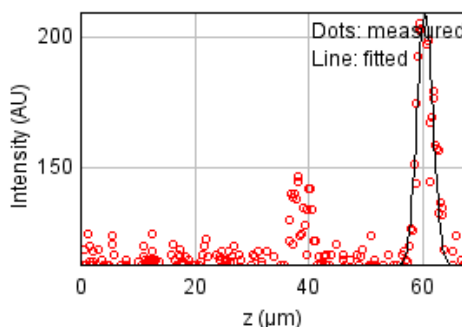
b = -0.186 px

c = 0.311 px

xc = 5.859 px

yc = 6.224 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25871.4948

Standard deviation: 9.17998

R^2 : 0.79165

Parameters:

a = 112.42089

b = 209.90651

c = 60.40839

d = 1.38411

Bead 3740

Date : Mon Oct 17 13:54:38 PDT 2022

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

Frame size : 12 pixels

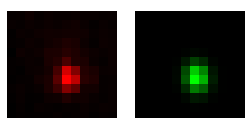
Coordinates : -150 μm (x), -54.6 μm (y), 61.3 μm (z)

Corresponding bead : Not found

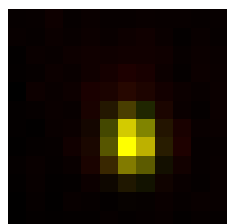
FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	531 nm	553 nm	270 nm
z	2.34 μm	2.35 μm	1.3 μm
Asymmetry	0.806		
Theta	-83.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 714.430 (brightness)

B = 122.946 (background)

a = 0.728 px

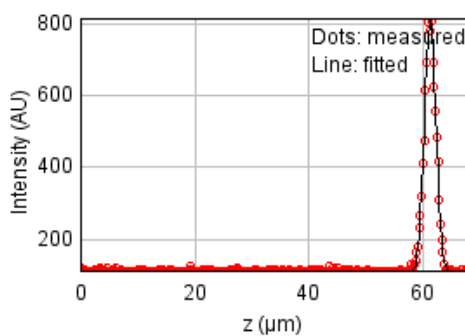
b = -0.030 px

c = 0.479 px

xc = 6.239 px

yc = 6.755 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20002.8801

Standard deviation: 8.07192

R^2 : 0.99471

Parameters:

a = 110.52264

b = 814.15870

c = 61.32834

d = 0.99438

Bead 3741

Date : Mon Oct 17 13:54:38 PDT 2022

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

Frame size : 12 pixels

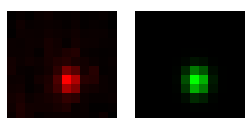
Coordinates : -109 μm (x), -62.4 μm (y), 61.0 μm (z)

Corresponding bead : Not found

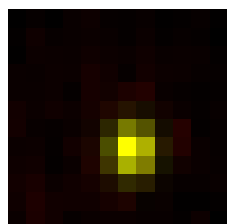
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	493 nm	514 nm	270 nm
z	2.26 μm	2.27 μm	1.3 μm
Asymmetry	0.84		
Theta	-88.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 506.648 (brightness)

B = 127.255 (background)

a = 0.782 px

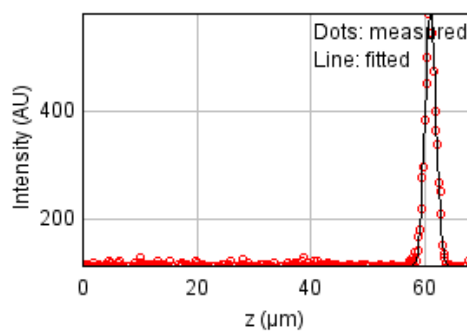
b = -0.006 px

c = 0.551 px

xc = 6.263 px

yc = 7.172 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19837.3464

Standard deviation: 8.03846

R^2 : 0.98800

Parameters:

a = 112.09825

b = 583.94677

c = 61.03444

d = 0.95863

Bead 3742 (Rejected)

Date : Mon Oct 17 13:54:38 PDT 2022

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

Frame size : 12 pixels

Coordinates : -54.0 um (x), -69.2 um (y), 2.3 um (z)

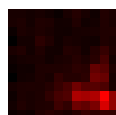
Corresponding bead : Not found

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	3.72 um	3.73 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

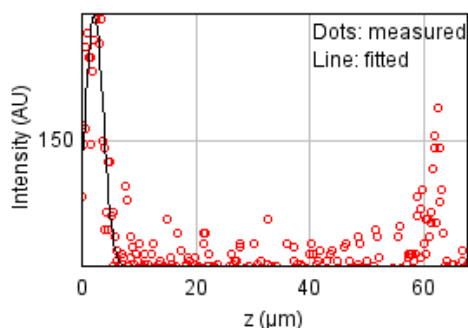
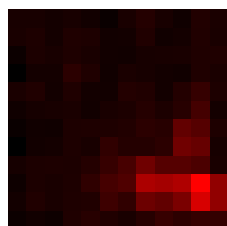
XY profile & fitting parameters :

(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: 25914.9162

Standard deviation: 9.18768

R²: 0.71360

Parameters:

a = 112.98719

b = 187.57761

c = 2.29835

d = 1.57924

Bead 3743

Date : Mon Oct 17 13:54:38 PDT 2022

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

Frame size : 12 pixels

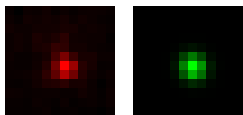
Coordinates : -110 μm (x), -72.1 μm (y), 61.3 μm (z)

Corresponding bead : Not found

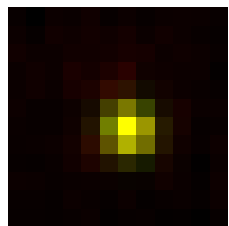
FWHM	Non corrected	Corrected	Theoretical
min	463 nm	482 nm	270 nm
max	493 nm	513 nm	270 nm
z	2.03 μm	2.04 μm	1.3 μm
Asymmetry	0.939		
Theta	-66.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 503.133$ (brightness)

$B = 121.109$ (background)

$a = 0.615$ px

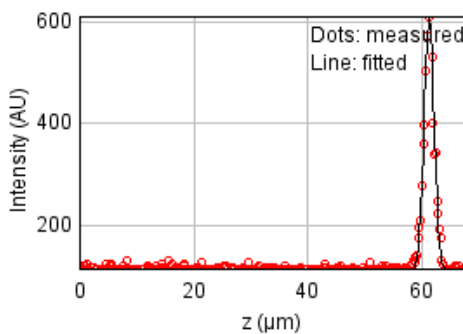
$b = -0.027$ px

$c = 0.564$ px

$x_c = 6.077$ px

$y_c = 6.176$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24644.1335

Standard deviation: 8.95958

$R^2: 0.98530$

Parameters:

$a = 112.77670$

$b = 612.10738$

$c = 61.31297$

$d = 0.86123$

Bead 3744 (Rejected)

Date : Mon Oct 17 13:54:38 PDT 2022

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

Frame size : 12 pixels

Coordinates : -120 μm (x), -77.1 μm (y), 62.0 μm (z)

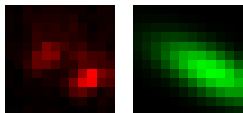
Corresponding bead : Not found

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

FWHM	Non corrected	Corrected	Theoretical
min	793 nm	826 nm	270 nm
max	2.05 μm	2.13 μm	270 nm
z	4.13 μm	4.15 μm	1.3 μm
Asymmetry	0.387		
Theta	-25.6°		

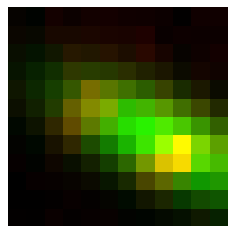
XY profile & fitting parameters :

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



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

$R^2 = 0.609$



Parameters:

$A = 204.148$ (brightness)

$B = 120.823$ (background)

$a = 0.066$ px

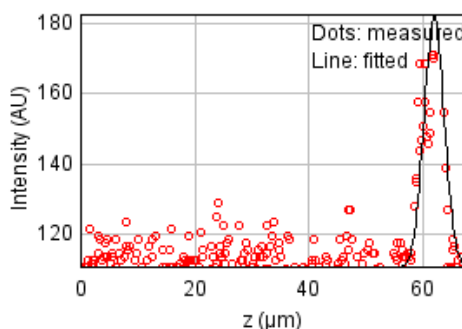
$b = -0.071$ px

$c = 0.180$ px

$xc = 8.057$ px

$yc = 6.755$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20123.0969

Standard deviation: 8.09614

$R^2: 0.76630$

Parameters:

$a = 110.65699$

$b = 182.36259$

$c = 62.01712$

$d = 1.75347$

Bead 3745

Date : Mon Oct 17 13:54:38 PDT 2022

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

Frame size : 12 pixels

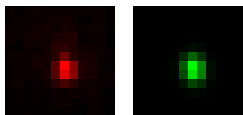
Coordinates : -85.8 μm (x), -78.5 μm (y), 61.2 μm (z)

Corresponding bead : Not found

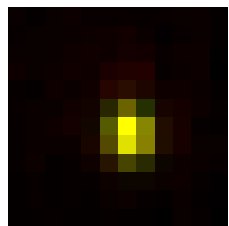
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	413 nm	270 nm
max	502 nm	522 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.79		
Theta	-82.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 679.509 (brightness)

B = 124.306 (background)

a = 0.849 px

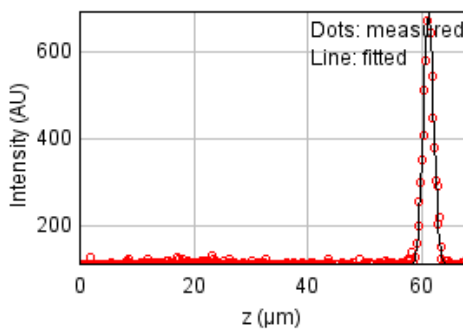
b = -0.042 px

c = 0.539 px

$x_c = 6.137$ px

$y_c = 6.394$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27483.3685

Standard deviation: 9.46163

R^2 : 0.98812

Parameters:

a = 113.87792

b = 693.10777

c = 61.21277

d = 0.88651

Bead 3746

Date : Mon Oct 17 13:54:38 PDT 2022

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

Frame size : 12 pixels

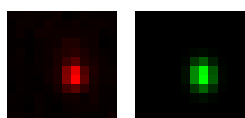
Coordinates : -62.9 μm (x), -86.0 μm (y), 61.2 μm (z)

Corresponding bead : Not found

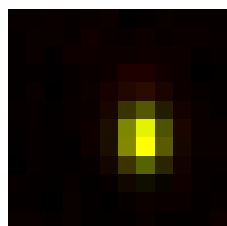
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	522 nm	544 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.769		
Theta	-86.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 636.242 (brightness)

B = 121.932 (background)

a = 0.831 px

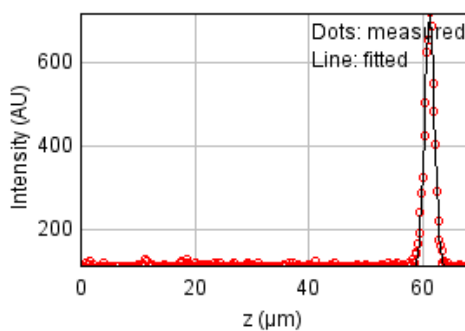
b = -0.021 px

c = 0.494 px

$x_c = 6.865$ px

$y_c = 6.539$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20010.0325

Standard deviation: 8.07337

R^2 : 0.99162

Parameters:

a = 112.09928

b = 716.72263

c = 61.21865

d = 0.84068

Bead 3747

Date : Mon Oct 17 13:54:38 PDT 2022

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

Frame size : 12 pixels

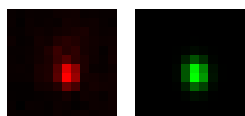
Coordinates : -36.9 μm (x), -89.3 μm (y), 60.9 μm (z)

Corresponding bead : Not found

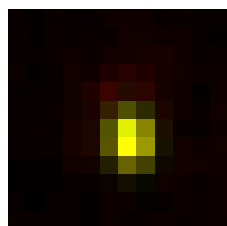
FWHM	Non corrected	Corrected	Theoretical
min	406 nm	423 nm	270 nm
max	517 nm	539 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.785		
Theta	-83.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 520.220 (brightness)

B = 124.922 (background)

a = 0.809 px

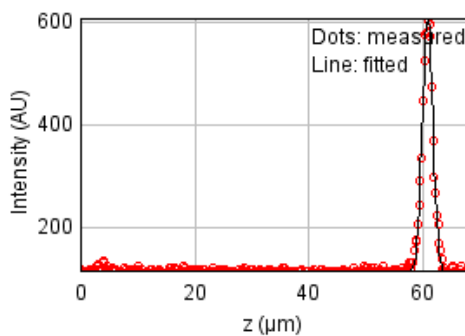
b = -0.035 px

c = 0.506 px

$x_c = 6.164$ px

$y_c = 6.579$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20355.7900

Standard deviation: 8.14282

$R^2 = 0.98827$

Parameters:

a = 113.90701

b = 608.86500

c = 60.87895

d = 0.91208

Bead 3748

Date : Mon Oct 17 13:54:38 PDT 2022

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

Frame size : 12 pixels

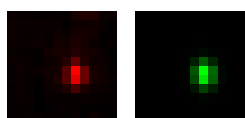
Coordinates : -35.4 μm (x), -92.2 μm (y), 60.8 μm (z)

Corresponding bead : Not found

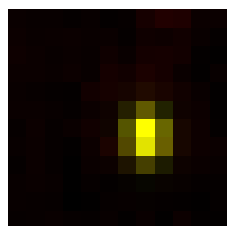
FWHM	Non corrected	Corrected	Theoretical
min	364 nm	379 nm	270 nm
max	478 nm	498 nm	270 nm
z	2.25 μm	2.26 μm	1.3 μm
Asymmetry	0.761		
Theta	-87.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 562.503 (brightness)

B = 123.260 (background)

a = 1.012 px

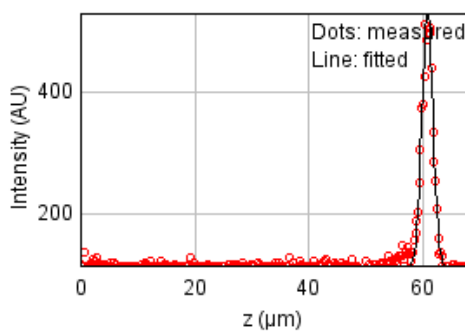
b = -0.021 px

c = 0.588 px

$x_c = 7.055$ px

$y_c = 6.401$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26902.4366

Standard deviation: 9.36109

R^2 : 0.97911

Parameters:

a = 114.43136

b = 529.26986

c = 60.84486

d = 0.95760

Bead 3749 (Rejected)

Date : Mon Oct 17 13:54:38 PDT 2022

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

Frame size : 12 pixels

Coordinates : 99.0 μm (x), 72.9 μm (y), 57.5 μm (z)

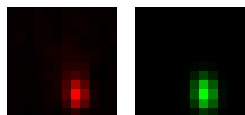
Corresponding bead : Not found

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

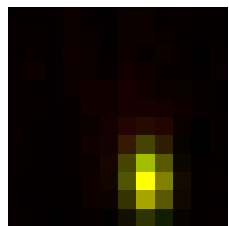
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	604 nm	629 nm	270 nm
z	2.92 μm	2.93 μm	1.3 μm
Asymmetry	0.641		
Theta	-86.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 608.899 (brightness)

B = 123.485 (background)

a = 0.895 px

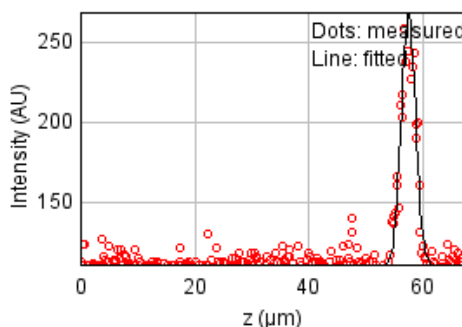
b = -0.034 px

c = 0.370 px

xc = 7.112 px

yc = 8.915 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16376.7933

Standard deviation: 7.30374

R^2 : 0.93312

Parameters:

a = 111.79395

b = 268.24387

c = 57.50914

d = 1.23893

Bead 3750 (Rejected)

Date : Mon Oct 17 13:54:39 PDT 2022

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

Frame size : 12 pixels

Coordinates : 145 um (x), 22.3 um (y), 58.2 um (z)

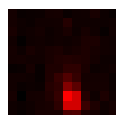
Corresponding bead : Not found

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	3.62 um	3.64 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

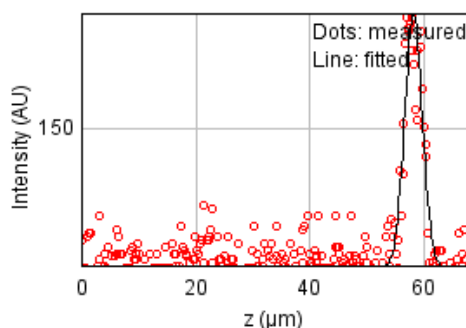
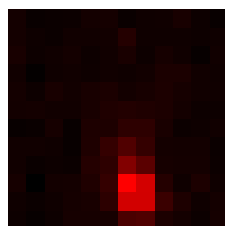
XY profile & fitting parameters :

(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: 15980.7816

Standard deviation: 7.21489

R²: 0.79497

Parameters:

a = 109.94699

b = 183.68780

c = 58.22491

d = 1.53815

Bead 3751

Date : Mon Oct 17 13:54:39 PDT 2022

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

Frame size : 12 pixels

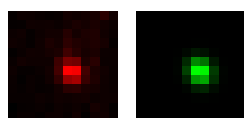
Coordinates : -157 μm (x), -23.2 μm (y), 60.6 μm (z)

Corresponding bead : Not found

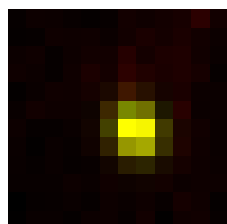
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	444 nm	270 nm
max	496 nm	516 nm	270 nm
z	2.03 μm	2.04 μm	1.3 μm
Asymmetry	0.86		
Theta	-64.6°		

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:

$A = 343.167$ (brightness)

$B = 115.885$ (background)

$a = 0.702$ px

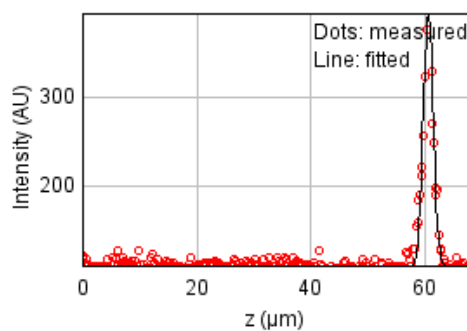
$b = -0.074$ px

$c = 0.581$ px

$x_c = 6.484$ px

$y_c = 6.107$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24634.7196

Standard deviation: 8.95787

$R^2: 0.95602$

Parameters:

$a = 111.19437$

$b = 395.25547$

$c = 60.63460$

$d = 0.86269$

Bead 3752

Date : Mon Oct 17 13:54:39 PDT 2022

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

Frame size : 12 pixels

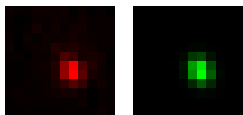
Coordinates : -156 μm (x), -35.4 μm (y), 60.9 μm (z)

Corresponding bead : Not found

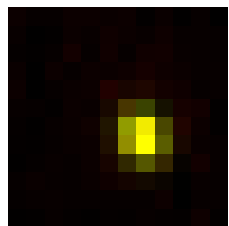
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	495 nm	515 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.81		
Theta	-69.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 492.806$ (brightness)

$B = 117.643$ (background)

$a = 0.801$ px

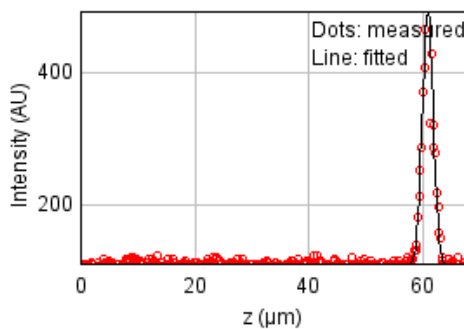
$b = -0.093$ px

$c = 0.582$ px

$x_c = 6.815$ px

$y_c = 6.545$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38184.6784

Standard deviation: 11.15258

$R^2: 0.96524$

Parameters:

$a = 110.79510$

$b = 493.34527$

$c = 60.90694$

$d = 0.94618$

Bead 3753 (Rejected)

Date : Mon Oct 17 13:54:39 PDT 2022

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

Frame size : 12 pixels

Coordinates : -140 μm (x), -48.7 μm (y), 61.2 μm (z)

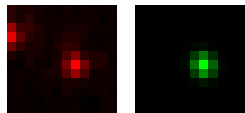
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

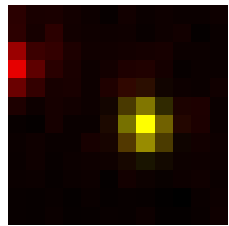
FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	446 nm	465 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.865		
Theta	-77.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.542$



Parameters:

A = 415.519 (brightness)

B = 132.944 (background)

a = 0.890 px

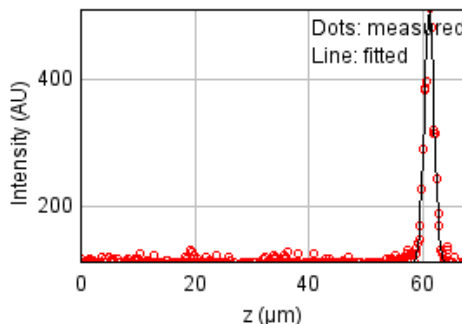
b = -0.048 px

c = 0.685 px

xc = 6.961 px

yc = 6.059 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32610.1168

Standard deviation: 10.30640

R^2 : 0.96937

Parameters:

a = 111.25448

b = 509.40370

c = 61.15304

d = 0.84552

Bead 3754

Date : Mon Oct 17 13:54:39 PDT 2022

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

Frame size : 12 pixels

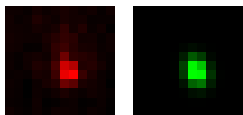
Coordinates : -110 μm (x), -51.5 μm (y), 60.6 μm (z)

Corresponding bead : Not found

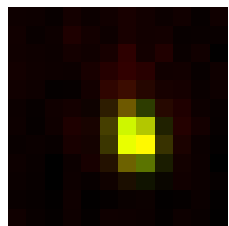
FWHM	Non corrected	Corrected	Theoretical
min	406 nm	422 nm	270 nm
max	537 nm	559 nm	270 nm
z	2.55 μm	2.56 μm	1.3 μm
Asymmetry	0.756		
Theta	-73.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 359.215$ (brightness)

$B = 117.744$ (background)

$a = 0.789$ px

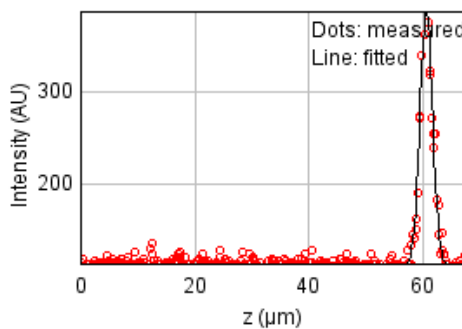
$b = -0.094$ px

$c = 0.494$ px

$x_c = 6.438$ px

$y_c = 6.615$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25517.3530

Standard deviation: 9.11693

$R^2: 0.96113$

Parameters:

$a = 112.40656$

$b = 389.21040$

$c = 60.64419$

$d = 1.08369$

Bead 3755

Date : Mon Oct 17 13:54:39 PDT 2022

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

Frame size : 12 pixels

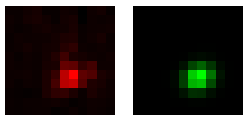
Coordinates : -117 μm (x), -60.5 μm (y), 61.4 μm (z)

Corresponding bead : Not found

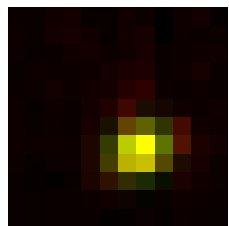
FWHM	Non corrected	Corrected	Theoretical
min	452 nm	470 nm	270 nm
max	535 nm	557 nm	270 nm
z	1.86 μm	1.87 μm	1.3 μm
Asymmetry	0.844		
Theta	26.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 423.455$ (brightness)

$B = 122.140$ (background)

$a = 0.506$ px

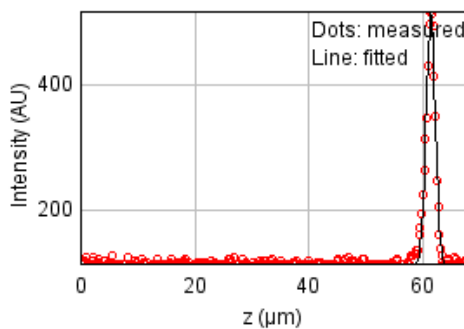
$b = 0.075$ px

$c = 0.621$ px

$x_c = 6.671$ px

$y_c = 7.308$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19552.1853

Standard deviation: 7.98047

$R^2: 0.98112$

Parameters:

$a = 111.48617$

$b = 519.77100$

$c = 61.41708$

$d = 0.78920$

Bead 3756

Date : Mon Oct 17 13:54:39 PDT 2022

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

Frame size : 12 pixels

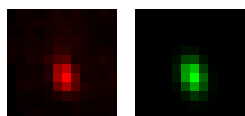
Coordinates : -86.3 μm (x), -69.6 μm (y), 60.1 μm (z)

Corresponding bead : Not found

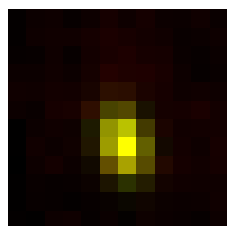
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	435 nm	270 nm
max	632 nm	659 nm	270 nm
z	3.64 μm	3.65 μm	1.3 μm
Asymmetry	0.66		
Theta	-75.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 391.916 (brightness)

B = 120.900 (background)

a = 0.742 px

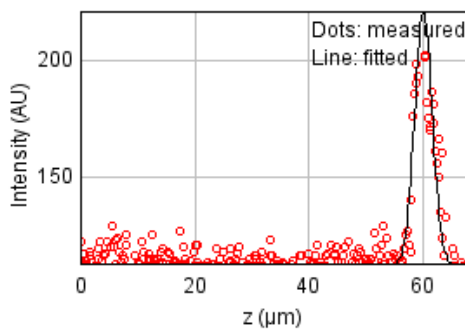
b = -0.109 px

c = 0.365 px

xc = 5.806 px

yc = 6.818 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21736.5503

Standard deviation: 8.41446

R^2 : 0.85927

Parameters:

a = 113.25581

b = 220.98948

c = 60.13539

d = 1.54397

Bead 3757

Date : Mon Oct 17 13:54:39 PDT 2022

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

Frame size : 12 pixels

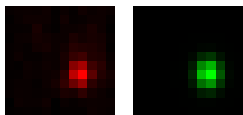
Coordinates : -71.8 μm (x), -86.5 μm (y), 61.3 μm (z)

Corresponding bead : Not found

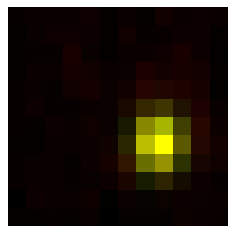
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	464 nm	270 nm
max	547 nm	569 nm	270 nm
z	2.42 μm	2.43 μm	1.3 μm
Asymmetry	0.814		
Theta	88.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 469.353 (brightness)

B = 121.476 (background)

a = 0.677 px

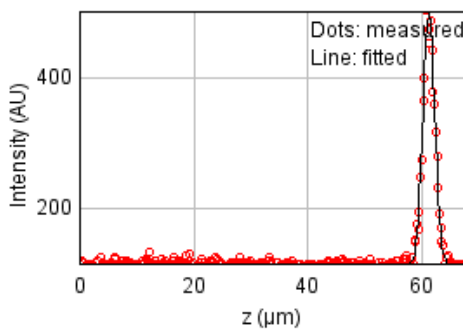
b = 0.004 px

c = 0.449 px

xc = 7.713 px

yc = 6.884 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23940.9336

Standard deviation: 8.83083

R^2 : 0.98043

Parameters:

a = 113.03208

b = 504.58828

c = 61.27075

d = 1.02619

Bead 3758

Date : Mon Oct 17 13:54:39 PDT 2022

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

Frame size : 12 pixels

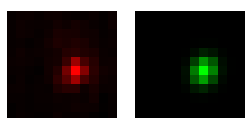
Coordinates : -89.3 μm (x), -89.9 μm (y), 61.6 μm (z)

Corresponding bead : Not found

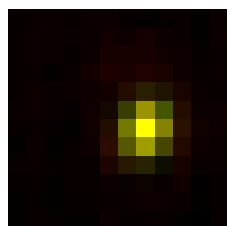
FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	522 nm	544 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.82		
Theta	72.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 636.038 (brightness)

B = 124.476 (background)

a = 0.709 px

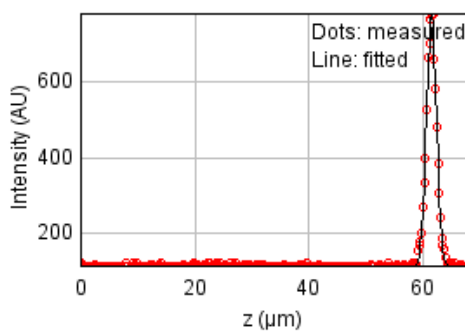
b = 0.070 px

c = 0.515 px

$x_c = 7.020$ px

$y_c = 6.032$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17611.6106

Standard deviation: 7.57409

R^2 : 0.99417

Parameters:

a = 112.54621

b = 783.23518

c = 61.55179

d = 0.86758

Bead 3759

Date : Mon Oct 17 13:54:39 PDT 2022

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

Frame size : 12 pixels

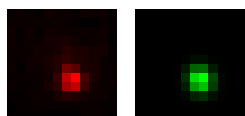
Coordinates : -52.2 μm (x), -94.8 μm (y), 61.5 μm (z)

Corresponding bead : Not found

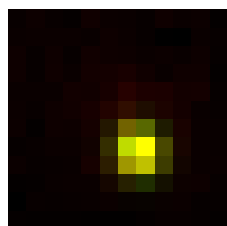
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	484 nm	504 nm	270 nm
z	1.78 μm	1.79 μm	1.3 μm
Asymmetry	0.887		
Theta	-70.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 605.222$ (brightness)

$B = 128.417$ (background)

$a = 0.712$ px

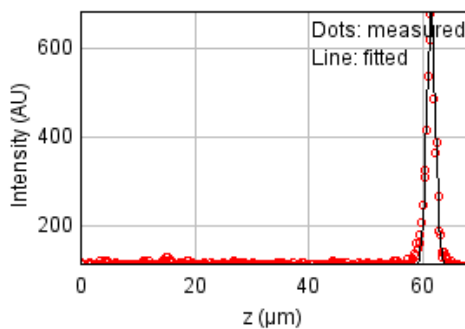
$b = -0.048$ px

$c = 0.590$ px

$x_c = 6.622$ px

$y_c = 7.231$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 50173.2459

Standard deviation: 12.78400

$R^2: 0.97437$

Parameters:

$a = 115.50166$

$b = 686.42125$

$c = 61.47877$

$d = 0.75612$

Bead 3760

Date : Mon Oct 17 13:54:39 PDT 2022

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

Frame size : 12 pixels

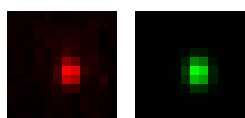
Coordinates : -159 μm (x), -27.7 μm (y), 60.7 μm (z)

Corresponding bead : Not found

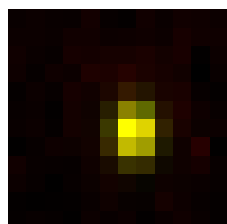
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	520 nm	541 nm	270 nm
z	2.47 μm	2.48 μm	1.3 μm
Asymmetry	0.766		
Theta	-88.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 389.018$ (brightness)

$B = 117.494$ (background)

$a = 0.846$ px

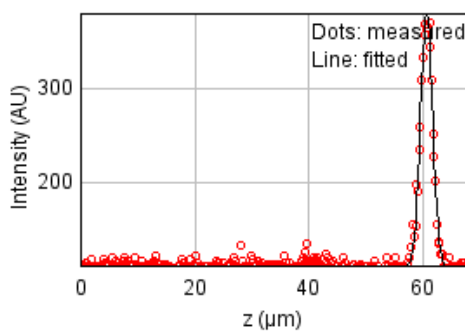
$b = -0.011$ px

$c = 0.498$ px

$x_c = 6.390$ px

$y_c = 6.189$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 13841.4655

Standard deviation: 6.71463

$R^2: 0.97682$

Parameters:

$a = 110.55794$

$b = 380.81541$

$c = 60.69300$

$d = 1.04868$

Bead 3761

Date : Mon Oct 17 13:54:40 PDT 2022

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

Frame size : 12 pixels

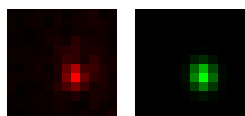
Coordinates : -142 μm (x), -48.0 μm (y), 61.2 μm (z)

Corresponding bead : Not found

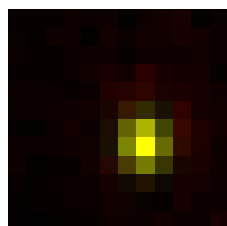
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	433 nm	270 nm
max	498 nm	518 nm	270 nm
z	2.2 μm	2.21 μm	1.3 μm
Asymmetry	0.835		
Theta	-82.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 368.876$ (brightness)

$B = 121.177$ (background)

$a = 0.774$ px

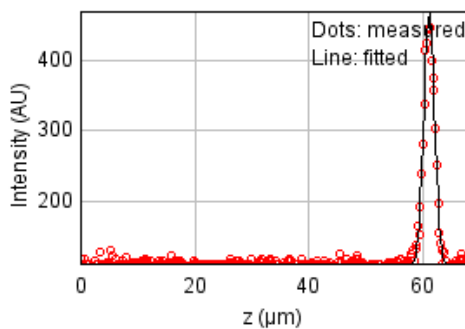
$b = -0.032$ px

$c = 0.546$ px

$x_c = 6.920$ px

$y_c = 6.814$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 15592.4927

Standard deviation: 7.12670

$R^2: 0.98327$

Parameters:

$a = 110.57439$

$b = 468.40492$

$c = 61.15588$

$d = 0.93428$

Bead 3762

Date : Mon Oct 17 13:54:40 PDT 2022

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

Frame size : 12 pixels

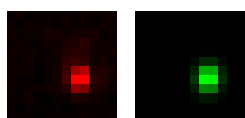
Coordinates : -95.4 μm (x), -68.5 μm (y), 60.9 μm (z)

Corresponding bead : Not found

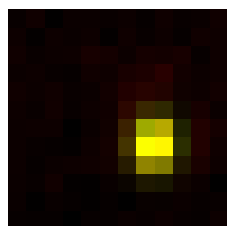
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	502 nm	523 nm	270 nm
z	2.26 μm	2.27 μm	1.3 μm
Asymmetry	0.807		
Theta	86.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 418.145 (brightness)

B = 117.645 (background)

a = 0.815 px

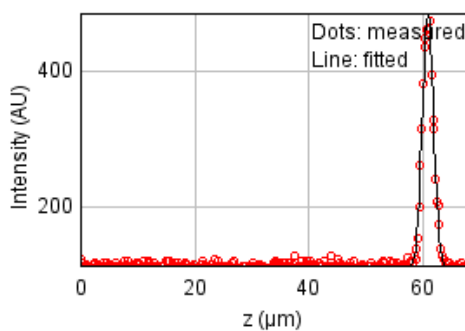
b = 0.018 px

c = 0.533 px

$x_c = 7.480$ px

$y_c = 6.866$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 16289.8615

Standard deviation: 7.28433

R^2 : 0.98431

Parameters:

a = 112.72123

b = 485.79834

c = 60.92722

d = 0.95956

Bead 3763

Date : Mon Oct 17 13:54:40 PDT 2022

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

Frame size : 12 pixels

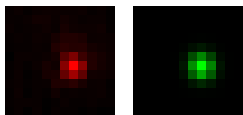
Coordinates : -127 μm (x), -74.1 μm (y), 61.4 μm (z)

Corresponding bead : Not found

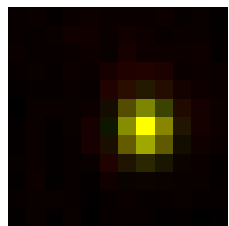
FWHM	Non corrected	Corrected	Theoretical
min	462 nm	481 nm	270 nm
max	502 nm	523 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.921		
Theta	-81.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 500.415$ (brightness)

$B = 121.143$ (background)

$a = 0.627$ px

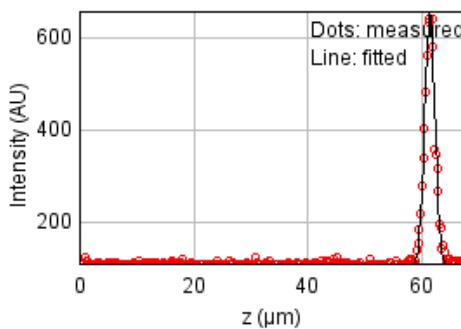
$b = -0.014$ px

$c = 0.535$ px

$x_c = 6.979$ px

$y_c = 6.106$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31357.8877

Standard deviation: 10.10658

$R^2: 0.98472$

Parameters:

$a = 111.51881$

$b = 658.05760$

$c = 61.43864$

$d = 0.88053$

Bead 3764

Date : Mon Oct 17 13:54:40 PDT 2022

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

Frame size : 12 pixels

Coordinates : -60.4 μm (x), -88.0 μm (y), 61.3 μm (z)

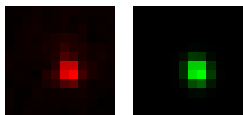
Corresponding bead : Not found



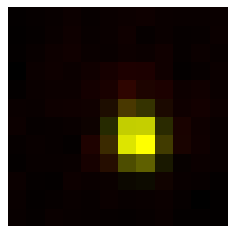
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	480 nm	500 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.85		
Theta	-75.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 594.710$ (brightness)

$B = 120.771$ (background)

$a = 0.792$ px

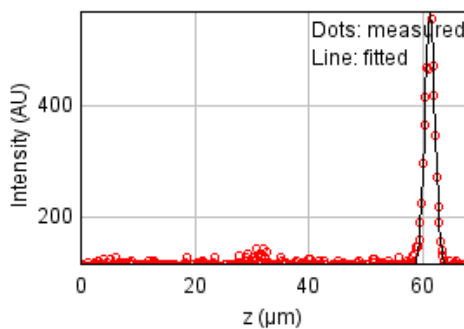
$b = -0.053$ px

$c = 0.595$ px

$x_c = 6.546$ px

$y_c = 6.638$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25771.3239

Standard deviation: 9.16219

$R^2: 0.98174$

Parameters:

$a = 114.18916$

$b = 571.81960$

$c = 61.27540$

$d = 0.85992$

Bead 3765

Date : Mon Oct 17 13:54:40 PDT 2022

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

Frame size : 12 pixels

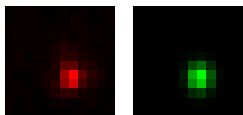
Coordinates : -93.3 μm (x), -89.9 μm (y), 61.6 μm (z)

Corresponding bead : Not found

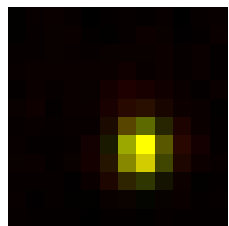
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	443 nm	270 nm
max	494 nm	514 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.862		
Theta	88.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 623.922 (brightness)

B = 123.912 (background)

a = 0.741 px

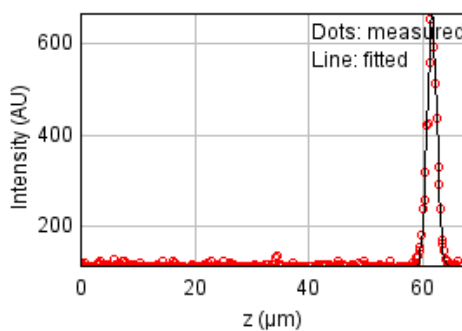
b = 0.005 px

c = 0.550 px

$x_c = 6.780$ px

$y_c = 7.297$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27051.7807

Standard deviation: 9.38704

R^2 : 0.98647

Parameters:

a = 112.43528

b = 667.60571

c = 61.64447

d = 0.83012

Bead 3766

Date : Mon Oct 17 13:54:40 PDT 2022

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

Frame size : 12 pixels

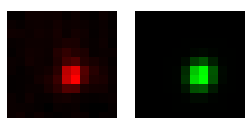
Coordinates : -101 μm (x), -90.9 μm (y), 61.9 μm (z)

Corresponding bead : Not found

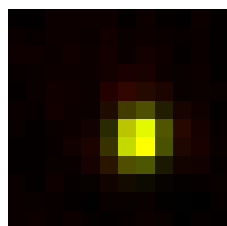
FWHM	Non corrected	Corrected	Theoretical
min	448 nm	466 nm	270 nm
max	497 nm	517 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.901		
Theta	72.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 578.457$ (brightness)

$B = 124.489$ (background)

$a = 0.658$ px

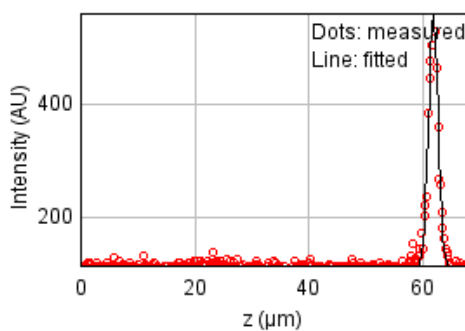
$b = 0.036$ px

$c = 0.555$ px

$x_c = 6.649$ px

$y_c = 6.545$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27239.1900

Standard deviation: 9.41950

$R^2: 0.97926$

Parameters:

$a = 113.17306$

$b = 559.96534$

$c = 61.86321$

$d = 0.83618$

Bead 3767 (Rejected)

Date : Mon Oct 17 13:54:41 PDT 2022

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

Frame size : 12 pixels

Coordinates : 116 um (x), 37.0 um (y), 58.2 um (z)

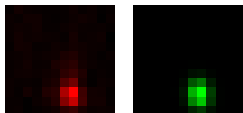
Corresponding bead : Not found

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

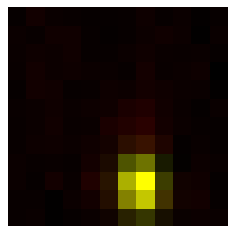
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	507 nm	528 nm	270 nm
z	3.5 um	3.52 um	1.3 um
Asymmetry	0.759		
Theta	-85.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 463.176 (brightness)

B = 125.010 (background)

a = 0.904 px

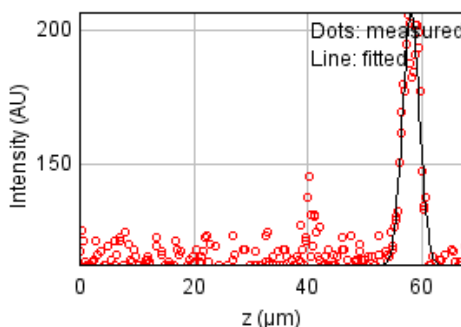
b = -0.031 px

c = 0.525 px

xc = 6.714 px

yc = 9.244 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17059.7307

Standard deviation: 7.45447

R^2 : 0.85132

Parameters:

a = 112.63729

b = 206.63796

c = 58.15162

d = 1.48803

Bead 3768

Date : Mon Oct 17 13:54:41 PDT 2022

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

Frame size : 12 pixels

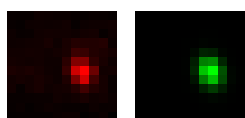
Coordinates : -129 μm (x), 22.5 μm (y), 57.0 μm (z)

Corresponding bead : Not found

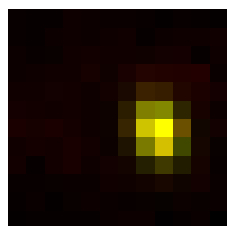
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	443 nm	270 nm
max	562 nm	585 nm	270 nm
z	2.98 μm	2.99 μm	1.3 μm
Asymmetry	0.757		
Theta	-71.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 441.007$ (brightness)

$B = 125.371$ (background)

$a = 0.710$ px

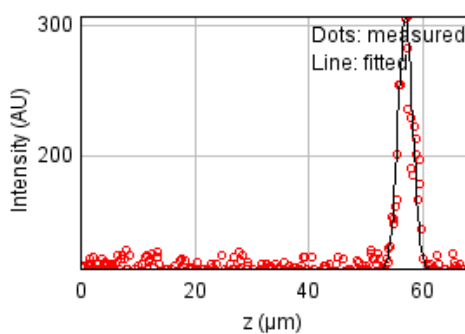
$b = -0.095$ px

$c = 0.456$ px

$x_c = 7.700$ px

$y_c = 6.121$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 42758.8209

Standard deviation: 11.80168

$R^2: 0.89467$

Parameters:

$a = 111.81686$

$b = 307.24953$

$c = 56.97670$

$d = 1.26393$

Bead 3769 (Rejected)

Date : Mon Oct 17 13:54:41 PDT 2022

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

Frame size : 12 pixels

Coordinates : -164 μm (x), -36.2 μm (y), 61.3 μm (z)

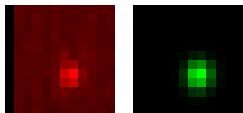
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

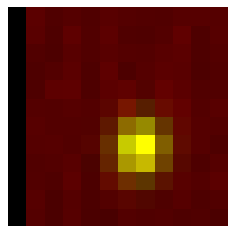
FWHM	Non corrected	Corrected	Theoretical
min	468 nm	487 nm	270 nm
max	538 nm	561 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.869		
Theta	84.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.503$



Parameters:

A = 241.720 (brightness)

B = 104.667 (background)

a = 0.612 px

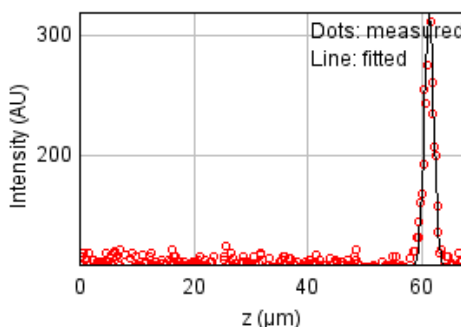
b = 0.015 px

c = 0.464 px

xc = 6.683 px

yc = 7.170 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15952.1379

Standard deviation: 7.20842

R^2 : 0.94552

Parameters:

a = 109.76035

b = 319.61027

c = 61.30763

d = 0.81507

Bead 3770

Date : Mon Oct 17 13:54:41 PDT 2022

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

Frame size : 12 pixels

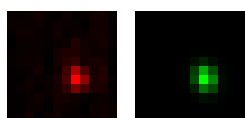
Coordinates : -145 μm (x), -61.0 μm (y), 61.5 μm (z)

Corresponding bead : Not found

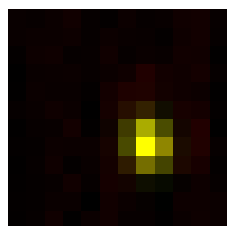
FWHM	Non corrected	Corrected	Theoretical
min	374 nm	389 nm	270 nm
max	473 nm	492 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.79		
Theta	-76.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 406.578$ (brightness)

$B = 116.326$ (background)

$a = 0.941$ px

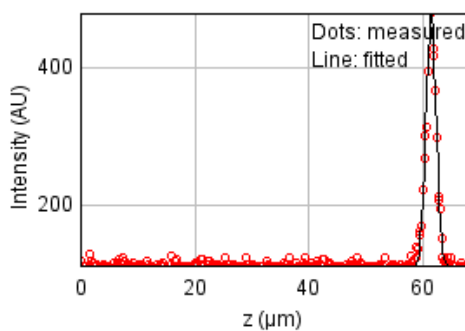
$b = -0.083$ px

$c = 0.621$ px

$x_c = 7.141$ px

$y_c = 6.839$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20455.7344

Standard deviation: 8.16278

$R^2: 0.97830$

Parameters:

$a = 110.31085$

$b = 480.54642$

$c = 61.47867$

$d = 0.87528$

Bead 3771 (Rejected)

Date : Mon Oct 17 13:54:41 PDT 2022

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

Frame size : 12 pixels

Coordinates : -110 μm (x), -65.0 μm (y), 61.1 μm (z)

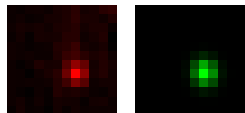
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

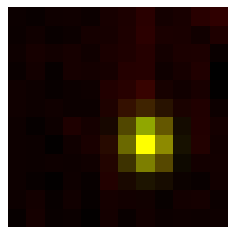
FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	489 nm	509 nm	270 nm
z	1.85 μm	1.86 μm	1.3 μm
Asymmetry	0.865		
Theta	-84.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.895$



Parameters:

A = 292.050 (brightness)

B = 120.046 (background)

a = 0.748 px

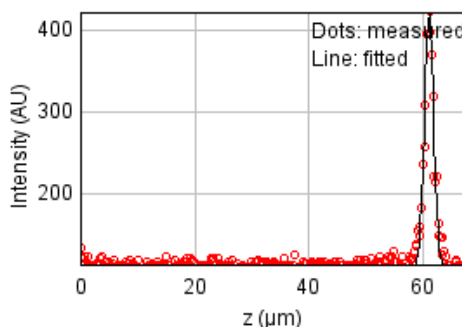
b = -0.019 px

c = 0.564 px

xc = 7.089 px

yc = 6.883 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23264.9472

Standard deviation: 8.70526

R^2 : 0.96123

Parameters:

a = 113.34470

b = 421.70880

c = 61.13091

d = 0.78523

Bead 3772 (Rejected)

Date : Mon Oct 17 13:54:41 PDT 2022

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

Frame size : 12 pixels

Coordinates : -140 μm (x), -72.9 μm (y), 61.4 μm (z)

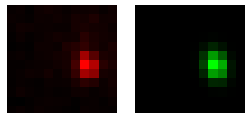
Corresponding bead : Not found

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

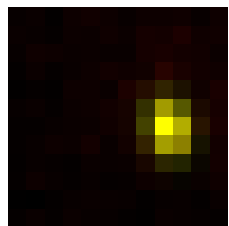
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	535 nm	558 nm	270 nm
z	4.24 μm	4.26 μm	1.3 μm
Asymmetry	0.726		
Theta	-77.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 433.012 (brightness)

B = 116.597 (background)

a = 0.869 px

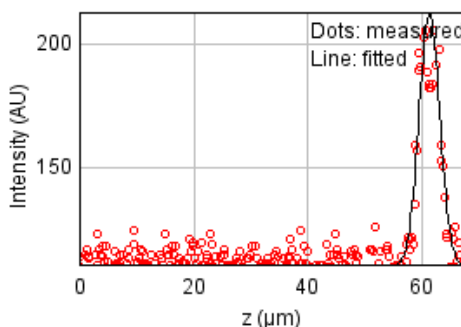
b = -0.088 px

c = 0.488 px

xc = 8.284 px

yc = 6.060 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22342.4474

Standard deviation: 8.53093

R^2 : 0.86103

Parameters:

a = 110.16230

b = 212.76618

c = 61.36253

d = 1.80191

Bead 3773

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

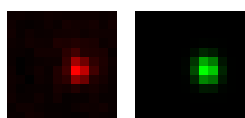
Coordinates : -139 μm (x), -77.3 μm (y), 61.6 μm (z)

Corresponding bead : Not found

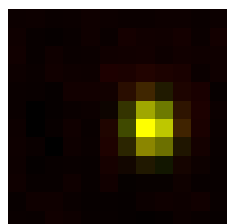
FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	504 nm	524 nm	270 nm
z	2.87 μm	2.89 μm	1.3 μm
Asymmetry	0.84		
Theta	-81.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 395.616 (brightness)

B = 116.262 (background)

a = 0.745 px

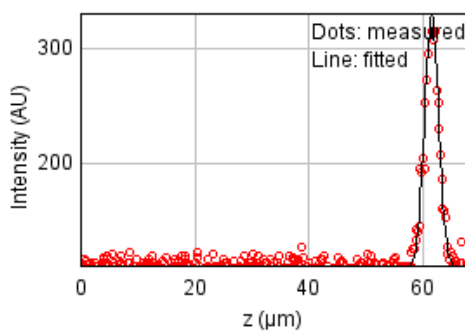
b = -0.033 px

c = 0.534 px

xc = 7.330 px

yc = 5.915 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15606.9789

Standard deviation: 7.13001

R^2 : 0.96592

Parameters:

a = 110.88027

b = 330.10028

c = 61.58578

d = 1.22025

Bead 3774

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

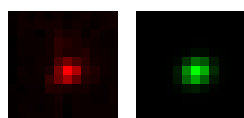
Coordinates : -115 μm (x), -78.5 μm (y), 61.5 μm (z)

Corresponding bead : Not found

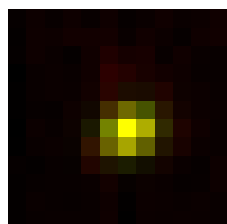
FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	521 nm	542 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.844		
Theta	23.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 489.967$ (brightness)

$B = 120.950$ (background)

$a = 0.528$ px

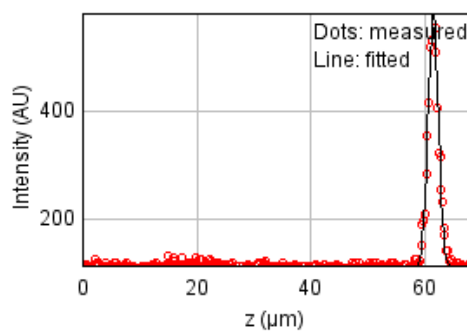
$b = 0.074$ px

$c = 0.662$ px

$x_c = 6.109$ px

$y_c = 6.157$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22773.7391

Standard deviation: 8.61287

$R^2: 0.98532$

Parameters:

$a = 112.49084$

$b = 584.41484$

$c = 61.50772$

$d = 0.89377$

Bead 3775

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

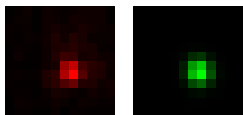
Coordinates : -115 μm (x), -81.4 μm (y), 61.5 μm (z)

Corresponding bead : Not found

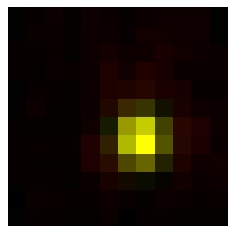
FWHM	Non corrected	Corrected	Theoretical
min	431 nm	449 nm	270 nm
max	485 nm	505 nm	270 nm
z	2.22 μm	2.22 μm	1.3 μm
Asymmetry	0.889		
Theta	-84.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 527.438$ (brightness)

$B = 122.028$ (background)

$a = 0.721$ px

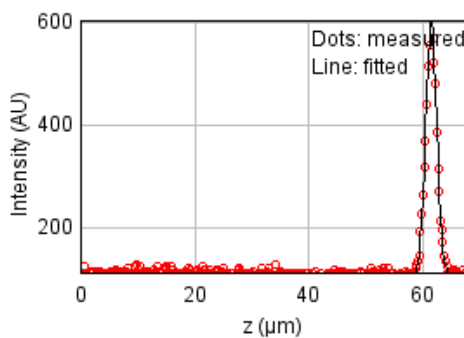
$b = -0.016$ px

$c = 0.572$ px

$x_c = 6.714$ px

$y_c = 6.683$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17682.7764

Standard deviation: 7.58938

$R^2: 0.98991$

Parameters:

$a = 113.26235$

$b = 604.01830$

$c = 61.51206$

$d = 0.94074$

Bead 3776 (Rejected)

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

Coordinates : -153 μm (x), -82.3 μm (y), 61.9 μm (z)

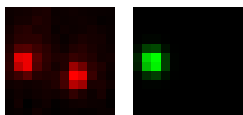
Corresponding bead : Not found

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

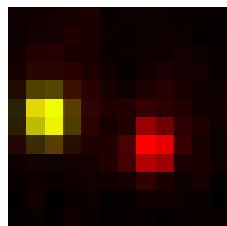
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	450 nm	469 nm	270 nm
z	2.5 μm	2.51 μm	1.3 μm
Asymmetry	0.898		
Theta	-75.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.464$



Parameters:

A = 485.284 (brightness)

B = 144.819 (background)

a = 0.811 px

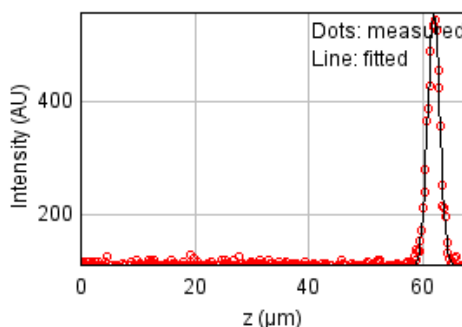
b = -0.038 px

c = 0.672 px

xc = 1.627 px

yc = 5.437 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19356.4946

Standard deviation: 7.94043

R^2 : 0.98812

Parameters:

a = 110.32927

b = 556.78574

c = 61.93994

d = 1.06168

Bead 3777

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

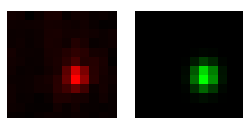
Coordinates : -110 μm (x), -82.8 μm (y), 61.4 μm (z)

Corresponding bead : Not found

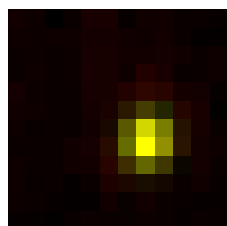
FWHM	Non corrected	Corrected	Theoretical
min	435 nm	453 nm	270 nm
max	496 nm	516 nm	270 nm
z	2.3 μm	2.31 μm	1.3 μm
Asymmetry	0.877		
Theta	83.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 391.849 (brightness)

B = 120.517 (background)

a = 0.708 px

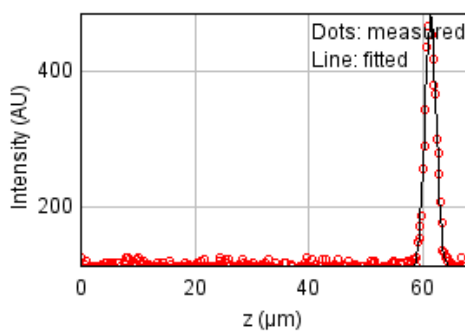
b = 0.018 px

c = 0.548 px

xc = 7.106 px

yc = 6.656 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18437.5985

Standard deviation: 7.74967

R^2 : 0.98235

Parameters:

a = 112.67783

b = 483.37465

c = 61.39235

d = 0.97694

Bead 3778

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

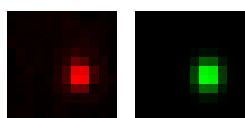
Coordinates : -148 μm (x), -83.8 μm (y), 61.8 μm (z)

Corresponding bead : Not found

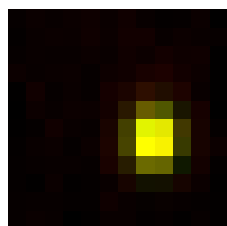
FWHM	Non corrected	Corrected	Theoretical
min	442 nm	460 nm	270 nm
max	539 nm	561 nm	270 nm
z	2.79 μm	2.8 μm	1.3 μm
Asymmetry	0.821		
Theta	89.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 520.432 (brightness)

B = 119.690 (background)

a = 0.687 px

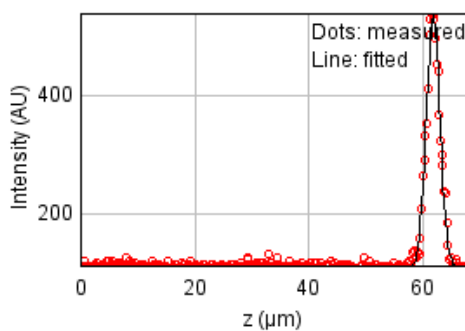
b = 0.001 px

c = 0.463 px

xc = 7.463 px

yc = 6.552 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21515.3344

Standard deviation: 8.37153

R^2 : 0.98703

Parameters:

a = 111.47754

b = 538.98500

c = 61.84546

d = 1.18600

Bead 3779 (Rejected)

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

Coordinates : -121 μm (x), -84.6 μm (y), 61.5 μm (z)

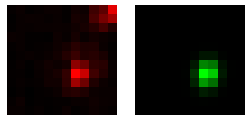
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

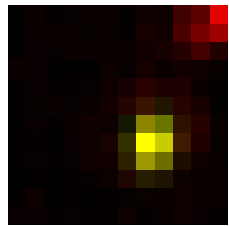
FWHM	Non corrected	Corrected	Theoretical
min	379 nm	395 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.24 μm	2.25 μm	1.3 μm
Asymmetry	0.788		
Theta	81.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.577$



Parameters:

A = 493.797 (brightness)

B = 133.097 (background)

a = 0.927 px

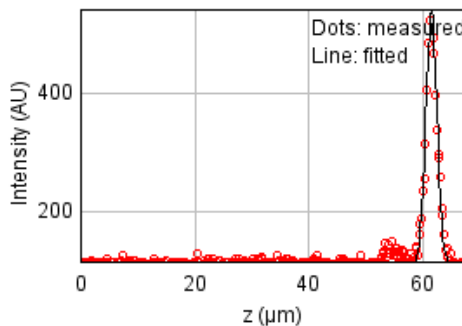
b = 0.051 px

c = 0.588 px

xc = 7.376 px

yc = 7.027 px

Z profile & fitting parameters:



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

Sum of residuals squared: 35846.0271

Standard deviation: 10.80566

R^2 : 0.97372

Parameters:

a = 113.59862

b = 540.51773

c = 61.53992

d = 0.95177

Bead 3780

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

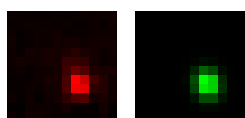
Coordinates : -106 μm (x), -84.9 μm (y), 61.4 μm (z)

Corresponding bead : Not found

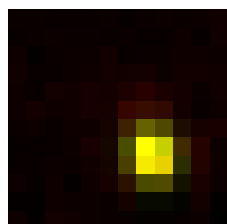
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	449 nm	270 nm
max	514 nm	535 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.84		
Theta	-75.2°		

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 = 459.839 (brightness)

B = 122.261 (background)

a = 0.707 px

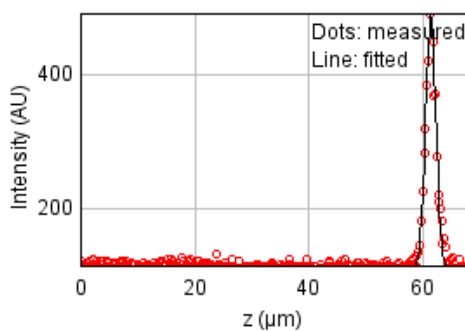
b = -0.052 px

c = 0.522 px

xc = 7.385 px

yc = 7.452 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19826.5401

Standard deviation: 8.03627

R^2 : 0.97991

Parameters:

a = 113.19303

b = 490.52434

c = 61.42775

d = 0.88377

Bead 3781

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

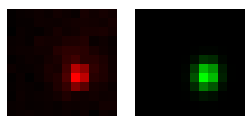
Coordinates : -107 μm (x), -87.4 μm (y), 61.5 μm (z)

Corresponding bead : Not found

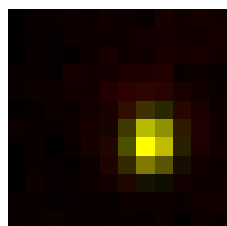
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	506 nm	527 nm	270 nm
z	2.47 μm	2.48 μm	1.3 μm
Asymmetry	0.847		
Theta	82.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 372.968$ (brightness)

$B = 119.731$ (background)

$a = 0.726$ px

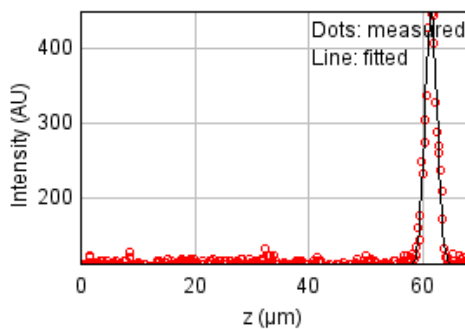
$b = 0.027$ px

$c = 0.527$ px

$x_c = 7.297$ px

$y_c = 6.775$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22764.1360

Standard deviation: 8.61106

$R^2: 0.97574$

Parameters:

$a = 112.28361$

$b = 450.62124$

$c = 61.47832$

$d = 1.05051$

Bead 3782

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

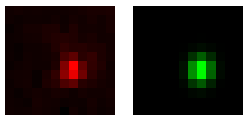
Coordinates : -105 μm (x), -91.7 μm (y), 61.6 μm (z)

Corresponding bead : Not found

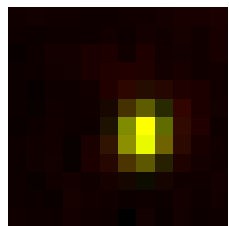
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	443 nm	270 nm
max	511 nm	533 nm	270 nm
z	2.2 μm	2.21 μm	1.3 μm
Asymmetry	0.832		
Theta	83.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 465.578$ (brightness)

$B = 123.635$ (background)

$a = 0.739$ px

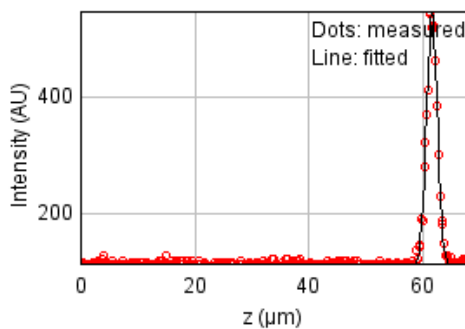
$b = 0.027$ px

$c = 0.516$ px

$x_c = 6.892$ px

$y_c = 6.481$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17406.2818

Standard deviation: 7.52981

$R^2: 0.98720$

Parameters:

$a = 112.50799$

$b = 545.76025$

$c = 61.62544$

$d = 0.93298$

Bead 3783

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

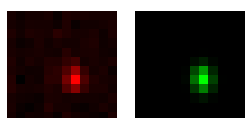
Coordinates : 155 μm (x), -95.6 μm (y), 60.4 μm (z)

Corresponding bead : Not found

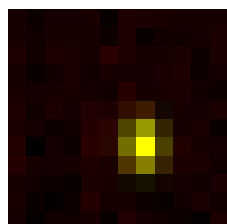
FWHM	Non corrected	Corrected	Theoretical
min	348 nm	362 nm	270 nm
max	472 nm	491 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.737		
Theta	-87.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 188.720 (brightness)

B = 111.680 (background)

a = 1.108 px

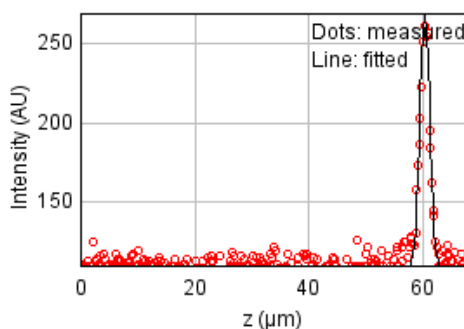
b = -0.024 px

c = 0.604 px

$x_c = 6.871$ px

$y_c = 6.916$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 13498.4990

Standard deviation: 6.63092

R^2 : 0.92455

Parameters:

a = 109.91644

b = 269.75491

c = 60.38757

d = 0.84053

Bead 3784

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

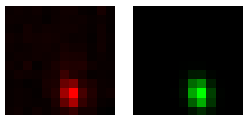
Coordinates : -25.1 μm (x), 69.2 μm (y), 58.3 μm (z)

Corresponding bead : Not found

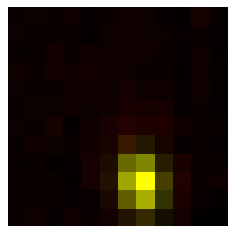
FWHM	Non corrected	Corrected	Theoretical
min	379 nm	395 nm	270 nm
max	522 nm	544 nm	270 nm
z	1.88 μm	1.88 μm	1.3 μm
Asymmetry	0.726		
Theta	-77.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 376.238 (brightness)

B = 121.120 (background)

a = 0.914 px

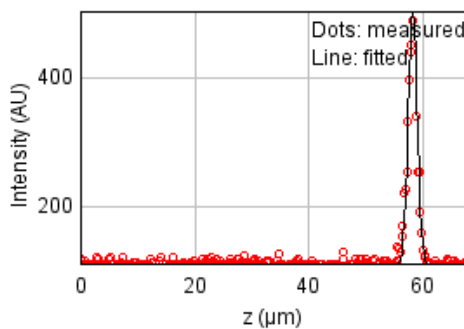
b = -0.092 px

c = 0.512 px

xc = 6.742 px

yc = 9.076 px

Z profile & fitting parameters:



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

Sum of residuals squared: 29127.7152

Standard deviation: 9.74056

R^2 : 0.96951

Parameters:

a = 112.71791

b = 500.84119

c = 58.25769

d = 0.79641

Bead 3785 (Rejected)

Date : Mon Oct 17 13:54:42 PDT 2022

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

Frame size : 12 pixels

Coordinates : 91.9 μm (x), 48.7 μm (y), 57.7 μm (z)

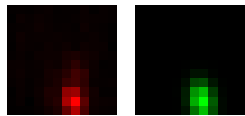
Corresponding bead : Not found

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

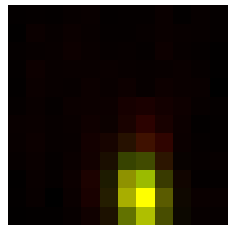
FWHM	Non corrected	Corrected	Theoretical
min	431 nm	449 nm	270 nm
max	677 nm	705 nm	270 nm
z	3.0 μm	3.02 μm	1.3 μm
Asymmetry	0.637		
Theta	-81.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 685.473 (brightness)

B = 131.489 (background)

a = 0.711 px

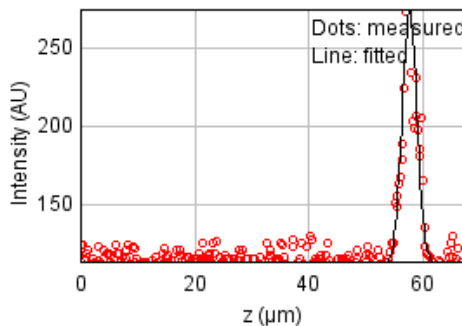
b = -0.066 px

c = 0.303 px

xc = 6.767 px

yc = 9.963 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28796.8446

Standard deviation: 9.68508

R^2 : 0.89662

Parameters:

a = 113.68526

b = 275.08263

c = 57.70786

d = 1.27517

Bead 3786 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

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

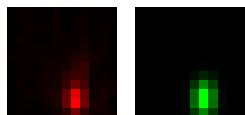
Corresponding bead : Not found

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

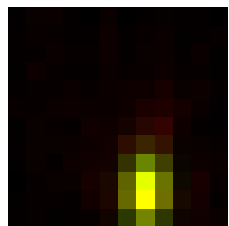
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	640 nm	667 nm	270 nm
z	3.33 μm	3.34 μm	1.3 μm
Asymmetry	0.614		
Theta	87.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 682.180 (brightness)

B = 133.209 (background)

a = 0.868 px

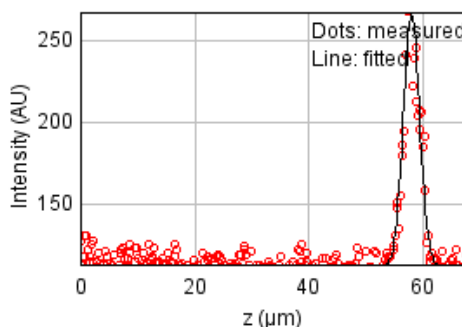
b = 0.020 px

c = 0.328 px

xc = 7.031 px

yc = 9.491 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20582.8698

Standard deviation: 8.18811

R^2 : 0.92463

Parameters:

a = 112.17503

b = 266.96229

c = 58.04429

d = 1.41250

Bead 3787 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : 135 μm (x), 35.0 μm (y), 58.0 μm (z)

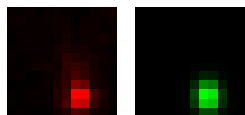
Corresponding bead : Not found

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

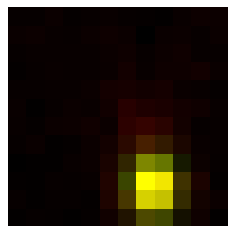
FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	565 nm	589 nm	270 nm
z	3.23 μm	3.24 μm	1.3 μm
Asymmetry	0.769		
Theta	-87.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 673.522 (brightness)

B = 129.410 (background)

a = 0.711 px

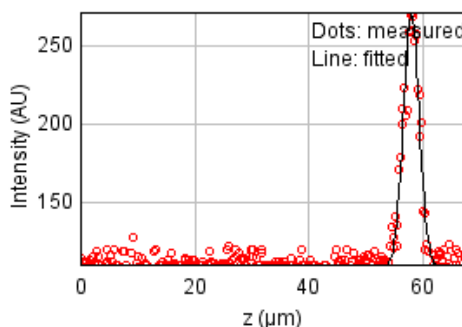
b = -0.014 px

c = 0.421 px

xc = 7.431 px

yc = 9.273 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16253.9544

Standard deviation: 7.27630

R^2 : 0.94228

Parameters:

a = 109.94605

b = 270.76761

c = 58.02077

d = 1.37179

Bead 3788 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

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

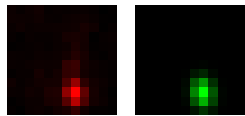
Corresponding bead : Not found

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

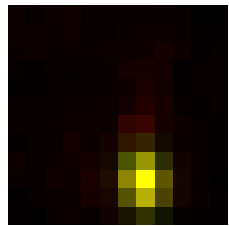
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	548 nm	571 nm	270 nm
z	3.74 μm	3.76 μm	1.3 μm
Asymmetry	0.711		
Theta	-83.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 444.400 (brightness)

B = 119.710 (background)

a = 0.879 px

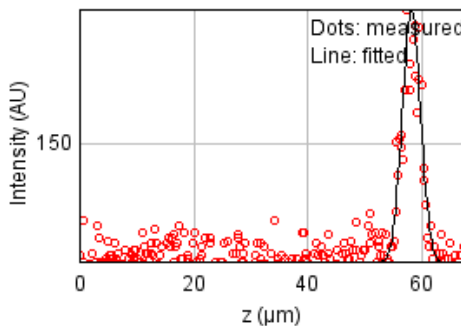
b = -0.051 px

c = 0.453 px

xc = 6.883 px

yc = 9.074 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16085.5289

Standard deviation: 7.23850

R^2 : 0.83790

Parameters:

a = 110.61924

b = 194.76242

c = 58.21286

d = 1.58993

Bead 3789

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

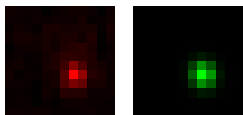
Coordinates : -161 μm (x), -46.5 μm (y), 61.4 μm (z)

Corresponding bead : Not found

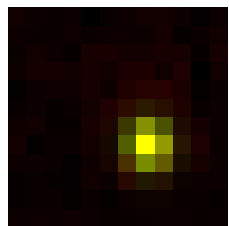
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	485 nm	505 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.871		
Theta	-78.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 275.810$ (brightness)

$B = 115.133$ (background)

$a = 0.747$ px

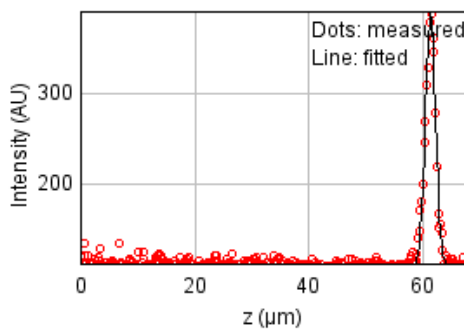
$b = -0.036$ px

$c = 0.579$ px

$x_c = 7.163$ px

$y_c = 6.998$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 15436.0741

Standard deviation: 7.09087

$R^2: 0.97167$

Parameters:

$a = 110.73449$

$b = 391.29202$

$c = 61.37542$

$d = 0.87492$

Bead 3790

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

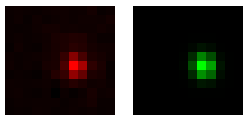
Coordinates : -151 μm (x), -66.8 μm (y), 61.6 μm (z)

Corresponding bead : Not found

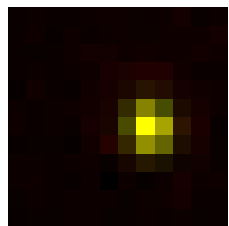
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	416 nm	270 nm
max	466 nm	485 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.857		
Theta	-78.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 528.417$ (brightness)

$B = 119.370$ (background)

$a = 0.832$ px

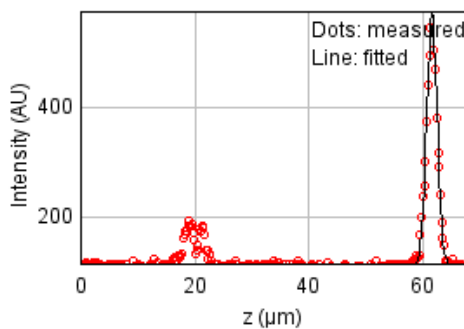
$b = -0.043$ px

$c = 0.626$ px

$x_c = 7.234$ px

$y_c = 6.050$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 93045.4376

Standard deviation: 17.40918

$R^2: 0.93962$

Parameters:

$a = 115.39624$

$b = 573.72167$

$c = 61.63094$

$d = 0.89772$

Bead 3791

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

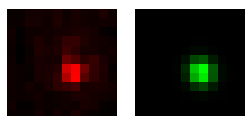
Coordinates : -122 μm (x), -69.7 μm (y), 61.4 μm (z)

Corresponding bead : Not found

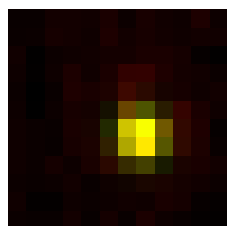
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	463 nm	270 nm
max	479 nm	499 nm	270 nm
z	2.19 μm	2.19 μm	1.3 μm
Asymmetry	0.928		
Theta	-64.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 301.091$ (brightness)

$B = 117.294$ (background)

$a = 0.661$ px

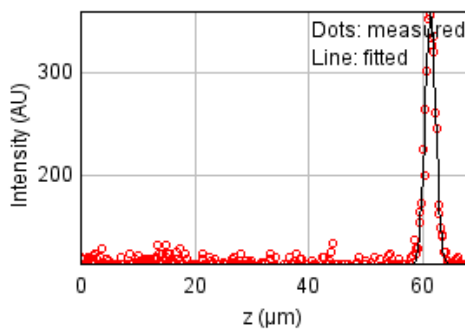
$b = -0.037$ px

$c = 0.601$ px

$x_c = 6.719$ px

$y_c = 6.406$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19090.4978

Standard deviation: 7.88569

$R^2: 0.95769$

Parameters:

$a = 112.67868$

$b = 359.17250$

$c = 61.36598$

$d = 0.92789$

Bead 3792

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

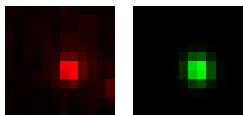
Coordinates : -153 μm (x), -82.3 μm (y), 62.0 μm (z)

Corresponding bead : Not found

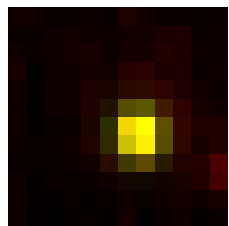
FWHM	Non corrected	Corrected	Theoretical
min	446 nm	465 nm	270 nm
max	490 nm	510 nm	270 nm
z	2.32 μm	2.33 μm	1.3 μm
Asymmetry	0.911		
Theta	-79.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 477.514$ (brightness)

$B = 126.244$ (background)

$a = 0.670$ px

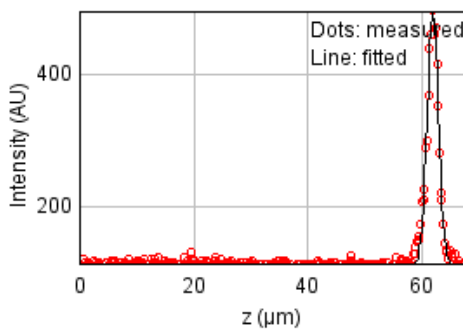
$b = -0.020$ px

$c = 0.563$ px

$x_c = 6.643$ px

$y_c = 6.431$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20650.0233

Standard deviation: 8.20146

$R^2: 0.98196$

Parameters:

$a = 111.16677$

$b = 497.85620$

$c = 61.95589$

$d = 0.98361$

Bead 3793

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

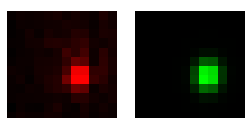
Coordinates : -127 μm (x), -83.6 μm (y), 61.6 μm (z)

Corresponding bead : Not found

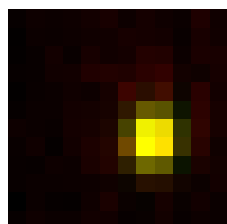
FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	532 nm	554 nm	270 nm
z	2.75 μm	2.76 μm	1.3 μm
Asymmetry	0.827		
Theta	86.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 345.234$ (brightness)

$B = 114.490$ (background)

$a = 0.693$ px

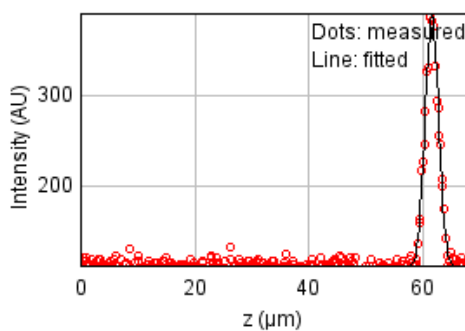
$b = 0.015$ px

$c = 0.476$ px

$x_c = 7.418$ px

$y_c = 6.544$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 15169.5453

Standard deviation: 7.02938

$R^2: 0.97849$

Parameters:

$a = 110.93315$

$b = 390.35987$

$c = 61.61978$

$d = 1.16831$

Bead 3794

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

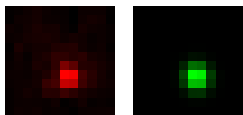
Coordinates : -108 μm (x), -93.7 μm (y), 61.9 μm (z)

Corresponding bead : Not found

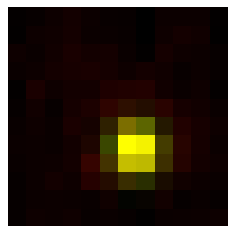
FWHM	Non corrected	Corrected	Theoretical
min	448 nm	466 nm	270 nm
max	486 nm	506 nm	270 nm
z	2.24 μm	2.25 μm	1.3 μm
Asymmetry	0.921		
Theta	-81.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 414.338$ (brightness)

$B = 119.123$ (background)

$a = 0.668$ px

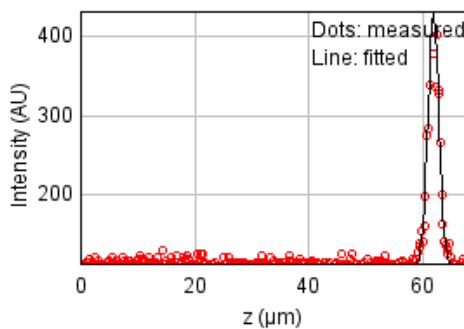
$b = -0.015$ px

$c = 0.571$ px

$x_c = 6.464$ px

$y_c = 7.252$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29586.8858

Standard deviation: 9.81704

$R^2: 0.96198$

Parameters:

$a = 111.71438$

$b = 432.54682$

$c = 61.89114$

$d = 0.94980$

Bead 3795 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : 151 um (x), -94.4 um (y), 60.2 um (z)

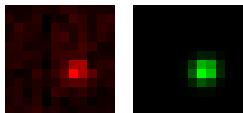
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	466 nm	485 nm	270 nm
z	2.31 um	2.32 um	1.3 um
Asymmetry	0.909		
Theta	30.4°		

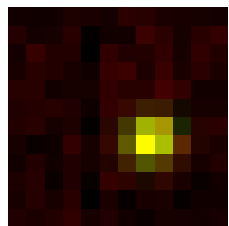
XY profile & fitting parameters :

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



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

$R^2 = 0.814$



Parameters:

A = 101.260 (brightness)

B = 112.030 (background)

a = 0.652 px

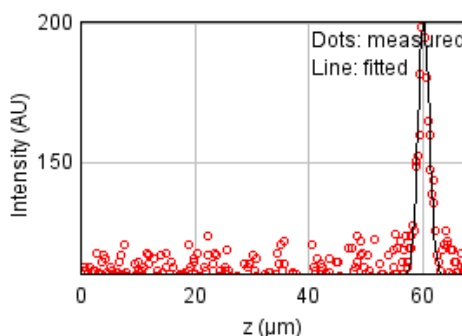
b = 0.057 px

c = 0.715 px

xc = 7.317 px

yc = 6.722 px

Z profile & fitting parameters:



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

Sum of residuals squared: 11933.2280

Standard deviation: 6.23462

R^2 : 0.83786

Parameters:

a = 110.14615

b = 200.88897

c = 60.18663

d = 0.97977

Bead 3796 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : 93.9 μm (x), -94.9 μm (y), 59.1 μm (z)

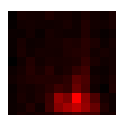
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.23 μm	3.24 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

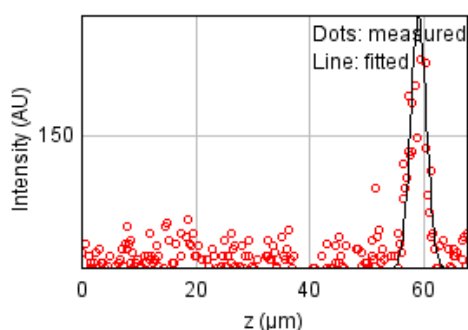
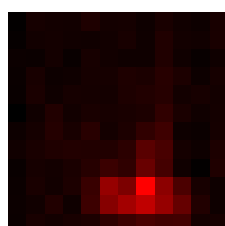
XY profile & fitting parameters :

(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: 14404.8781

Standard deviation: 6.84992

R²: 0.79630

Parameters:

a = 111.35820

b = 185.46320

c = 59.10075

d = 1.37111

Bead 3797 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : -153 μm (x), -95.1 μm (y), 62.2 μm (z)

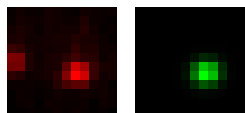
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

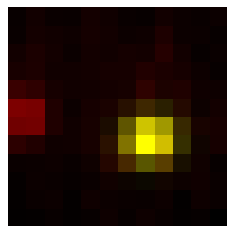
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	463 nm	270 nm
max	496 nm	517 nm	270 nm
z	2.72 μm	2.73 μm	1.3 μm
Asymmetry	0.896		
Theta	8.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.763$



Parameters:

A = 518.503 (brightness)

B = 134.985 (background)

a = 0.548 px

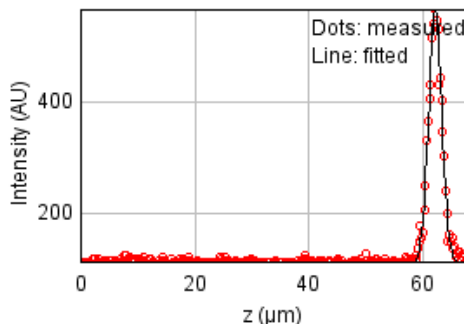
b = 0.019 px

c = 0.675 px

xc = 7.241 px

yc = 6.688 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22519.4434

Standard deviation: 8.56465

R^2 : 0.98783

Parameters:

a = 111.29578

b = 568.67899

c = 62.21559

d = 1.15420

Bead 3798 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : 93.9 μm (x), -95.5 μm (y), 59.2 μm (z)

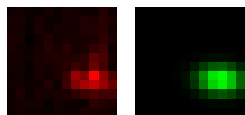
Corresponding bead : Not found

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

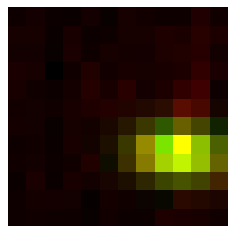
FWHM	Non corrected	Corrected	Theoretical
min	511 nm	532 nm	270 nm
max	825 nm	859 nm	270 nm
z	1.75 μm	1.76 μm	1.3 μm
Asymmetry	0.62		
Theta	-3.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.867$



Parameters:

$A = 210.747$ (brightness)

$B = 117.806$ (background)

$a = 0.199$ px

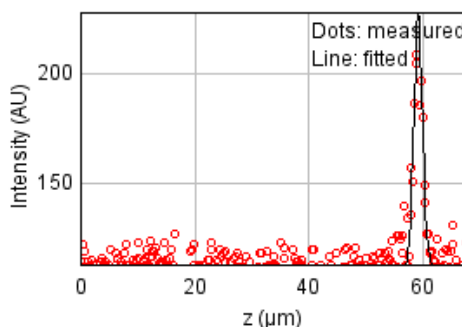
$b = -0.019$ px

$c = 0.512$ px

$xc = 8.818$ px

$yc = 7.447$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 12299.0580

Standard deviation: 6.32946

$R^2: 0.86170$

Parameters:

$a = 112.33714$

$b = 227.73073$

$c = 59.22220$

$d = 0.74322$

Bead 3799

Date : Mon Oct 17 13:54:44 PDT 2022

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

Frame size : 12 pixels

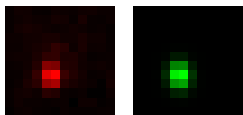
Coordinates : -120 μm (x), 82.8 μm (y), 58.5 μm (z)

Corresponding bead : Not found

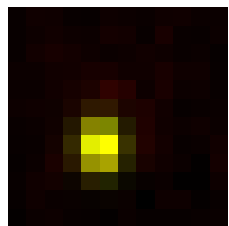
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	496 nm	517 nm	270 nm
z	2.17 μm	2.18 μm	1.3 μm
Asymmetry	0.8		
Theta	-86.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 551.122$ (brightness)

$B = 123.308$ (background)

$a = 0.851$ px

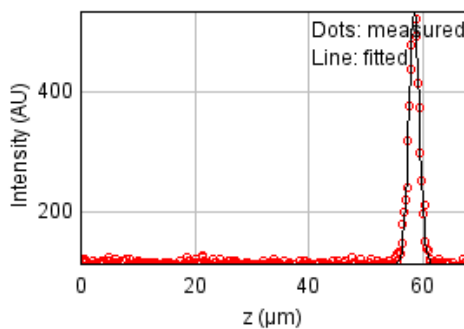
$b = -0.019$ px

$c = 0.546$ px

$x_c = 4.543$ px

$y_c = 7.073$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17554.6825

Standard deviation: 7.56184

$R^2: 0.98624$

Parameters:

$a = 111.97346$

$b = 533.91630$

$c = 58.50351$

$d = 0.92172$

Bead 3800 (Rejected)

Date : Mon Oct 17 13:54:44 PDT 2022

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

Frame size : 12 pixels

Coordinates : 95.3 μm (x), 31.3 μm (y), 58.1 μm (z)

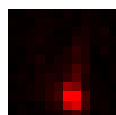
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.87 μm	3.89 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

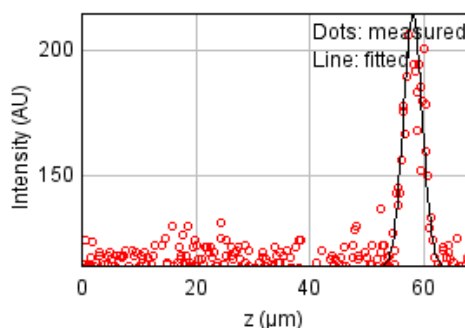
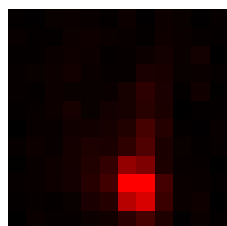
XY profile & fitting parameters :

(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: 20364.0296

Standard deviation: 8.14447

R²: 0.86019

Parameters:

a = 113.17866

b = 214.89524

c = 58.10912

d = 1.64459