

Bead 701

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

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

Frame size : 12 pixels

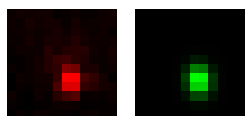
Coordinates : 97.6 μm (x), -27.5 μm (y), 14.1 μm (z)

Corresponding bead : Not found

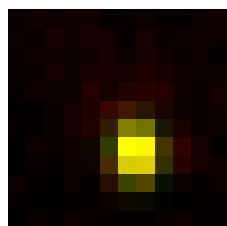
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	541 nm	563 nm	270 nm
z	2.35 μm	2.36 μm	1.3 μm
Asymmetry	0.78		
Theta	-85.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 367.181 (brightness)

B = 122.294 (background)

a = 0.753 px

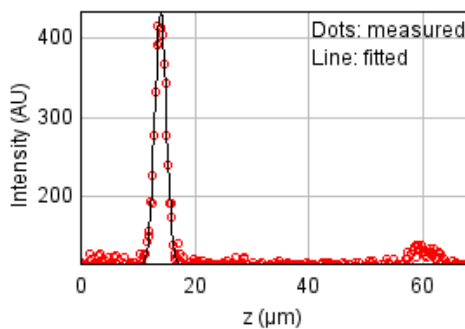
b = -0.024 px

c = 0.461 px

xc = 6.484 px

yc = 7.295 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24663.3470

Standard deviation: 8.96307

R^2 : 0.96894

Parameters:

a = 114.74875

b = 432.74769

c = 14.08641

d = 0.99646

Bead 702 (Rejected)

Date : Mon Oct 17 13:51:18 PDT 2022

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

Frame size : 12 pixels

Coordinates : 92.8 μm (x), -36.3 μm (y), 11.1 μm (z)

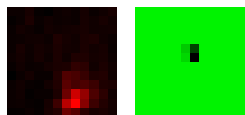
Corresponding bead : Not found

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

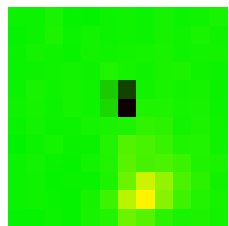
FWHM	Non corrected	Corrected	Theoretical
min	141 nm	147 nm	270 nm
max	151 nm	157 nm	270 nm
z	3.93 μm	3.95 μm	1.3 μm
Asymmetry	0.935		
Theta	-63.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.033$



Parameters:

A = -175.215 (brightness)

B = 136.314 (background)

a = 6.589 px

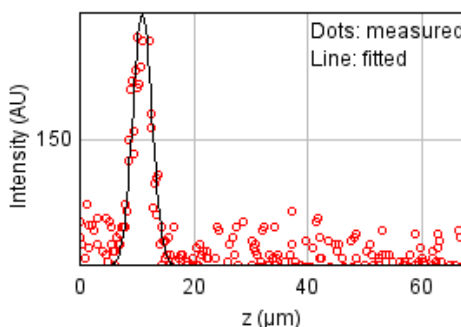
b = -0.339 px

c = 6.086 px

xc = 5.632 px

yc = 4.506 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14105.8615

Standard deviation: 6.77845

R^2 : 0.83168

Parameters:

a = 112.58180

b = 187.91077

c = 11.08363

d = 1.67055

Bead 703 (Rejected)

Date : Mon Oct 17 13:51:18 PDT 2022

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

Frame size : 12 pixels

Coordinates : -21.3 μm (x), -50.9 μm (y), 60.2 μm (z)

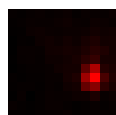
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

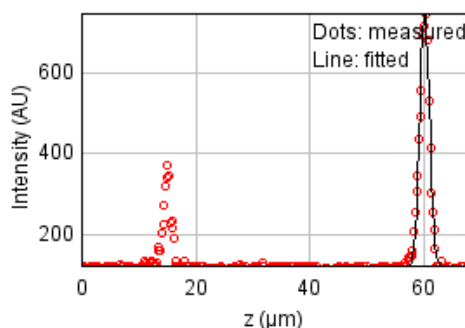
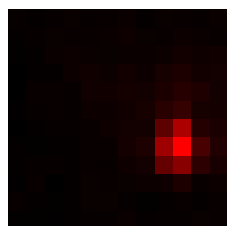
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 336770.237

Standard deviation: 33.12056

R²: 0.88320

Parameters:

a = 122.18770

b = 750.44104

c = 60.18134

d = 0.83753

Bead 704

Date : Mon Oct 17 13:51:18 PDT 2022

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

Frame size : 12 pixels

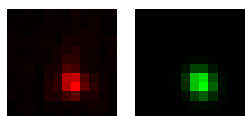
Coordinates : -12.8 μm (x), -68.9 μm (y), 14.0 μm (z)

Corresponding bead : Not found

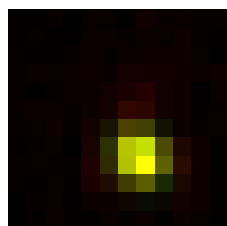
FWHM	Non corrected	Corrected	Theoretical
min	446 nm	465 nm	270 nm
max	509 nm	530 nm	270 nm
z	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.876		
Theta	-56.2°		

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:

$A = 523.002$ (brightness)

$B = 123.479$ (background)

$a = 0.626$ px

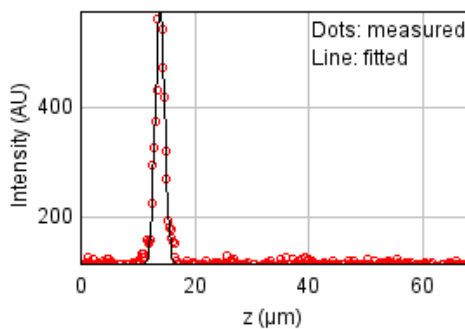
$b = -0.072$ px

$c = 0.566$ px

$x_c = 6.675$ px

$y_c = 7.573$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25698.1908

Standard deviation: 9.14918

$R^2: 0.98160$

Parameters:

$a = 114.38729$

$b = 579.90169$

$c = 13.98434$

$d = 0.82065$

Bead 705

Date : Mon Oct 17 13:51:18 PDT 2022

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

Frame size : 12 pixels

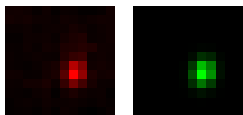
Coordinates : -122 μm (x), -71.1 μm (y), 13.8 μm (z)

Corresponding bead : Not found

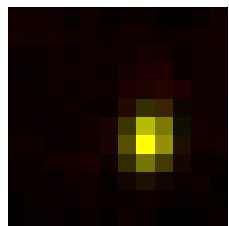
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	503 nm	524 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.783		
Theta	78.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 418.941$ (brightness)

$B = 120.647$ (background)

$a = 0.850$ px

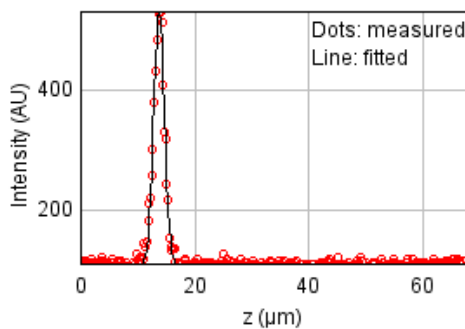
$b = 0.068$ px

$c = 0.544$ px

$x_c = 7.189$ px

$y_c = 6.753$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21722.0521

Standard deviation: 8.41165

$R^2: 0.98285$

Parameters:

$a = 111.91440$

$b = 530.87912$

$c = 13.81746$

$d = 0.92496$

Bead 706

Date : Mon Oct 17 13:51:18 PDT 2022

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

Frame size : 12 pixels

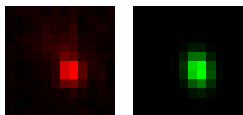
Coordinates : 102 μm (x), -73.5 μm (y), 13.7 μm (z)

Corresponding bead : Not found

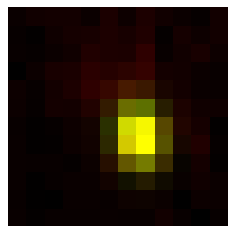
FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	602 nm	627 nm	270 nm
z	2.44 μm	2.45 μm	1.3 μm
Asymmetry	0.73		
Theta	-80.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.928$



Parameters:

$A = 332.742$ (brightness)

$B = 122.714$ (background)

$a = 0.685$ px

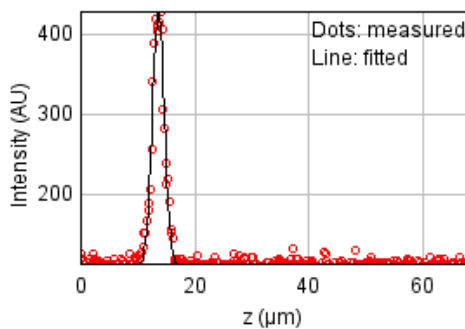
$b = -0.053$ px

$c = 0.379$ px

$x_c = 6.632$ px

$y_c = 6.490$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22043.0130

Standard deviation: 8.47357

$R^2: 0.97265$

Parameters:

$a = 112.73831$

$b = 428.14404$

$c = 13.69082$

$d = 1.03421$

Bead 707

Date : Mon Oct 17 13:51:18 PDT 2022

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

Frame size : 12 pixels

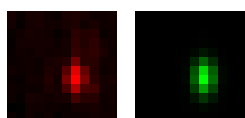
Coordinates : -119 μm (x), -74.6 μm (y), 13.3 μm (z)

Corresponding bead : Not found

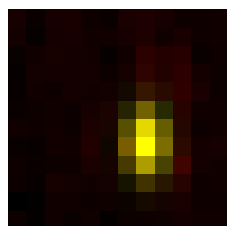
FWHM	Non corrected	Corrected	Theoretical
min	381 nm	397 nm	270 nm
max	644 nm	670 nm	270 nm
z	1.84 μm	1.85 μm	1.3 μm
Asymmetry	0.592		
Theta	89.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 301.353 (brightness)

B = 118.339 (background)

a = 0.925 px

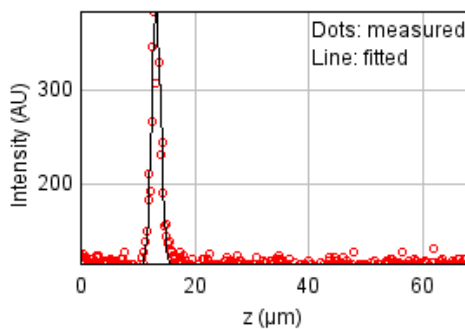
b = 0.002 px

c = 0.324 px

xc = 7.039 px

yc = 6.749 px

Z profile & fitting parameters:



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

Sum of residuals squared: 27936.7900

Standard deviation: 9.53936

R^2 : 0.94217

Parameters:

a = 112.75556

b = 387.21287

c = 13.32085

d = 0.78197

Bead 708 (Rejected)

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

Coordinates : 34.0 μm (x), -81.5 μm (y), 15.8 μm (z)

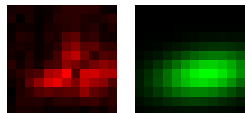
Corresponding bead : Not found

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

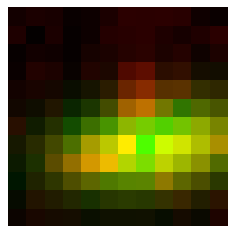
FWHM	Non corrected	Corrected	Theoretical
min	852 nm	887 nm	270 nm
max	1.8 μm	1.87 μm	270 nm
z	1.9 μm	1.91 μm	1.3 μm
Asymmetry	0.474		
Theta	7.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.729$



Parameters:

A = 117.740 (brightness)

B = 117.167 (background)

a = 0.044 px

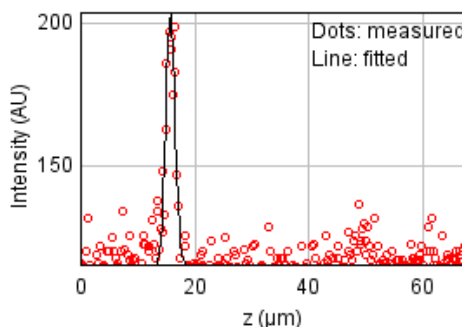
b = 0.019 px

c = 0.182 px

xc = 7.326 px

yc = 7.081 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15605.5685

Standard deviation: 7.12969

R^2 : 0.75713

Parameters:

a = 115.13068

b = 203.41659

c = 15.81338

d = 0.80897

Bead 709

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

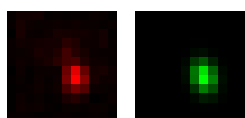
Coordinates : 112 μm (x), -95.3 μm (y), 14.0 μm (z)

Corresponding bead : Not found

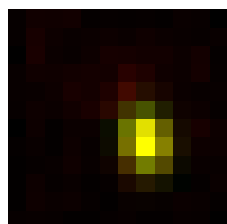
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	572 nm	596 nm	270 nm
z	2.41 μm	2.42 μm	1.3 μm
Asymmetry	0.726		
Theta	-76.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 398.651 (brightness)

B = 121.637 (background)

a = 0.757 px

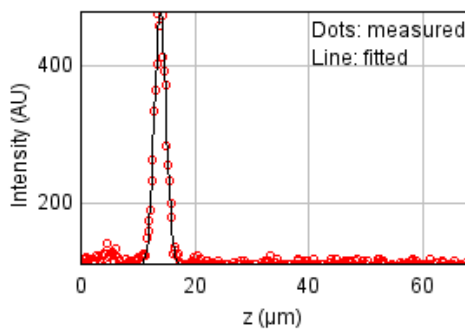
b = -0.082 px

c = 0.429 px

xc = 7.005 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: 21303.3026

Standard deviation: 8.33018

R^2 : 0.97986

Parameters:

a = 112.77405

b = 477.40861

c = 14.03849

d = 1.02239

Bead 710

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

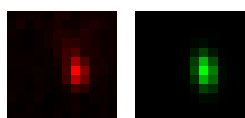
Coordinates : 37.7 μm (x), 90.5 μm (y), 14.2 μm (z)

Corresponding bead : Not found

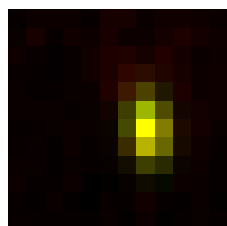
FWHM	Non corrected	Corrected	Theoretical
min	369 nm	384 nm	270 nm
max	631 nm	657 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.584		
Theta	-83.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 387.820 (brightness)

B = 121.252 (background)

a = 0.978 px

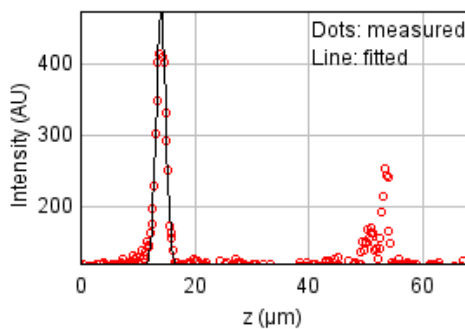
b = -0.079 px

c = 0.347 px

xc = 7.138 px

yc = 6.018 px

Z profile & fitting parameters:



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

Sum of residuals squared: 123287.022

Standard deviation: 20.03962

R^2 : 0.86796

Parameters:

a = 119.53217

b = 476.54395

c = 14.17024

d = 0.82481

Bead 711

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

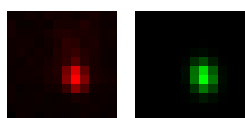
Coordinates : -72.4 μm (x), 70.6 μm (y), 14.6 μm (z)

Corresponding bead : Not found

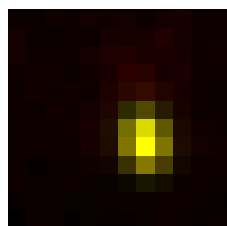
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	541 nm	564 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.757		
Theta	-80.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 638.819 (brightness)

B = 127.469 (background)

a = 0.790 px

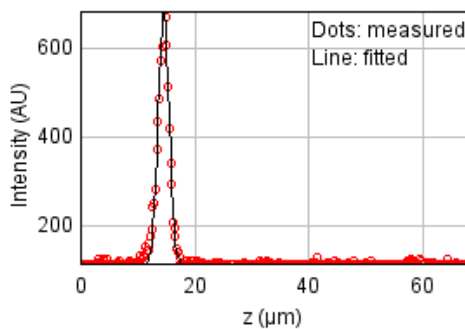
b = -0.056 px

c = 0.468 px

$x_c = 6.976$ px

$y_c = 6.673$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31261.7169

Standard deviation: 10.09107

R^2 : 0.98694

Parameters:

a = 114.72522

b = 685.23990

c = 14.62542

d = 0.94774

Bead 712

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

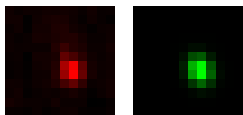
Coordinates : -4.45 μm (x), 17.6 μm (y), 14.2 μm (z)

Corresponding bead : Not found

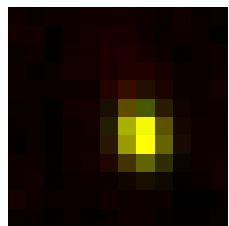
FWHM	Non corrected	Corrected	Theoretical
min	424 nm	442 nm	270 nm
max	537 nm	559 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.791		
Theta	-72.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 428.804$ (brightness)

$B = 120.375$ (background)

$a = 0.720$ px

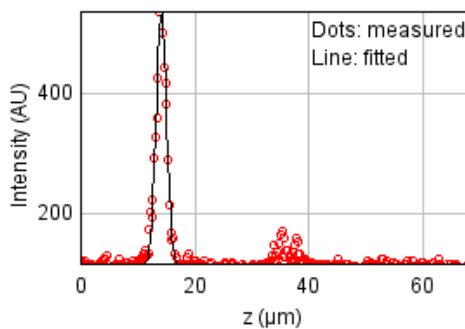
$b = -0.080$ px

$c = 0.491$ px

$x_c = 6.788$ px

$y_c = 6.494$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 45212.5807

Standard deviation: 12.13558

$R^2: 0.96451$

Parameters:

$a = 116.98179$

$b = 539.30140$

$c = 14.22009$

$d = 0.89729$

Bead 713

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

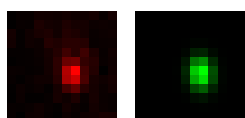
Coordinates : 71.6 μm (x), 12.8 μm (y), 14.1 μm (z)

Corresponding bead : Not found

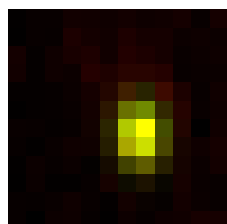
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	600 nm	625 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.716		
Theta	-85.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 325.083$ (brightness)

$B = 123.136$ (background)

$a = 0.726$ px

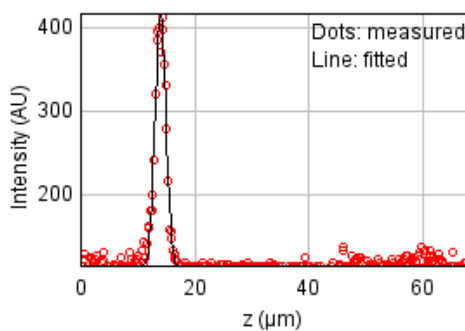
$b = -0.025$ px

$c = 0.375$ px

$x_c = 6.678$ px

$y_c = 6.302$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26836.0782

Standard deviation: 9.34954

$R^2: 0.96061$

Parameters:

$a = 115.07491$

$b = 416.04619$

$c = 14.07586$

$d = 0.94335$

Bead 714

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

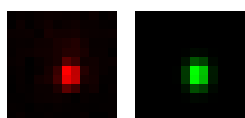
Coordinates : -18.8 μm (x), 10.1 μm (y), 17.3 μm (z)

Corresponding bead : Not found

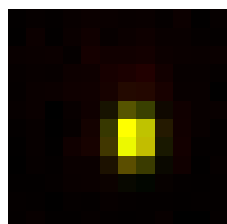
FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	487 nm	507 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.797		
Theta	89.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 690.451$ (brightness)

$B = 126.979$ (background)

$a = 0.893$ px

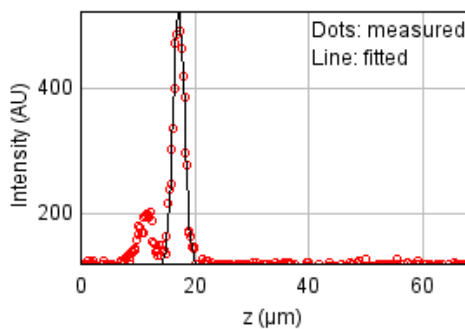
$b = 0.001$ px

$c = 0.567$ px

$x_c = 6.346$ px

$y_c = 6.476$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 92225.5033

Standard deviation: 17.33231

$R^2: 0.93115$

Parameters:

$a = 118.16493$

$b = 525.86064$

$c = 17.27625$

$d = 0.98192$

Bead 715 (Rejected)

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

Coordinates : 74.0 μm (x), -5.36 μm (y), 10.5 μm (z)

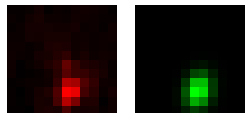
Corresponding bead : Not found

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

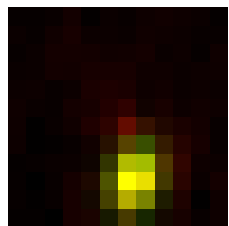
FWHM	Non corrected	Corrected	Theoretical
min	457 nm	476 nm	270 nm
max	634 nm	660 nm	270 nm
z	4.1 μm	4.12 μm	1.3 μm
Asymmetry	0.721		
Theta	76.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 337.921 (brightness)

B = 123.104 (background)

a = 0.625 px

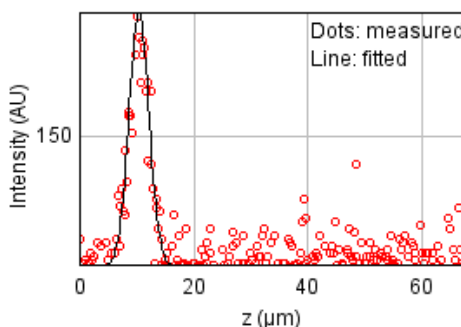
b = 0.072 px

c = 0.352 px

xc = 6.411 px

yc = 8.861 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15932.4887

Standard deviation: 7.20398

R^2 : 0.81272

Parameters:

a = 112.25342

b = 185.89035

c = 10.48207

d = 1.74129

Bead 716

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

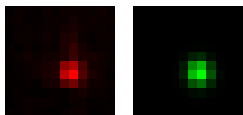
Coordinates : -51.3 μm (x), -12.2 μm (y), 14.4 μm (z)

Corresponding bead : Not found

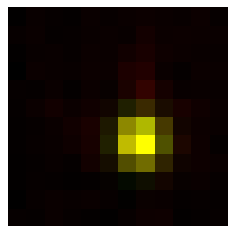
FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	476 nm	496 nm	270 nm
z	2.1 μm	2.1 μm	1.3 μm
Asymmetry	0.899		
Theta	-87.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 544.979$ (brightness)

$B = 119.959$ (background)

$a = 0.731$ px

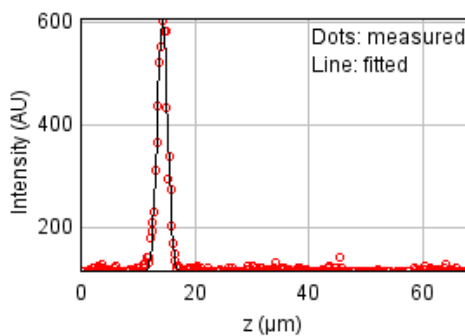
$b = -0.006$ px

$c = 0.592$ px

$x_c = 6.712$ px

$y_c = 6.772$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29867.7788

Standard deviation: 9.86353

$R^2: 0.98249$

Parameters:

$a = 114.82644$

$b = 609.94937$

$c = 14.42041$

$d = 0.89012$

Bead 717 (Rejected)

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

Coordinates : -26.9 μm (x), -18.2 μm (y), 11.0 μm (z)

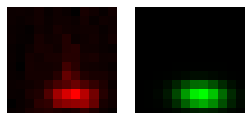
Corresponding bead : Not found

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

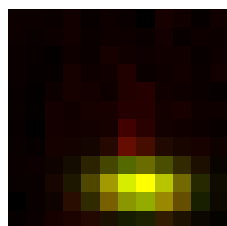
FWHM	Non corrected	Corrected	Theoretical
min	461 nm	480 nm	270 nm
max	883 nm	919 nm	270 nm
z	3.96 μm	3.97 μm	1.3 μm
Asymmetry	0.523		
Theta	-2.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 314.551 (brightness)

B = 123.371 (background)

a = 0.173 px

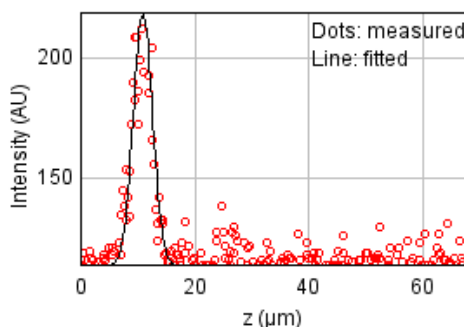
b = -0.022 px

c = 0.630 px

xc = 6.750 px

yc = 9.174 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22240.9533

Standard deviation: 8.51153

R^2 : 0.86071

Parameters:

a = 113.53852

b = 219.02326

c = 10.99321

d = 1.68083

Bead 718

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

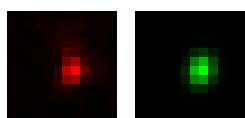
Coordinates : 86.2 μm (x), -26.9 μm (y), 14.5 μm (z)

Corresponding bead : Not found

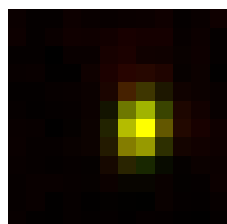
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	565 nm	589 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.773		
Theta	79.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 461.223 (brightness)

B = 122.484 (background)

a = 0.692 px

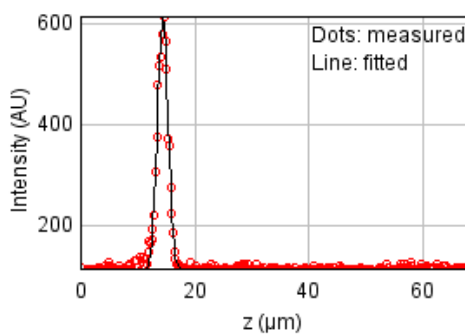
b = 0.051 px

c = 0.430 px

xc = 6.726 px

yc = 5.939 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24125.8084

Standard deviation: 8.86486

R^2 : 0.98661

Parameters:

a = 114.16955

b = 614.44951

c = 14.47140

d = 0.92627

Bead 719

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

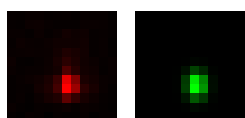
Coordinates : -32.5 μm (x), -31.9 μm (y), 14.8 μm (z)

Corresponding bead : Not found

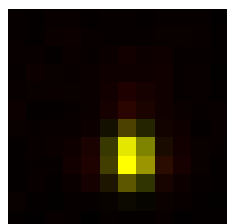
FWHM	Non corrected	Corrected	Theoretical
min	370 nm	385 nm	270 nm
max	478 nm	498 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.773		
Theta	-88.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 862.642 (brightness)

B = 131.223 (background)

a = 0.982 px

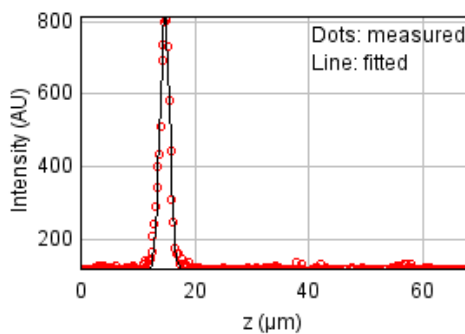
b = -0.009 px

c = 0.587 px

xc = 6.221 px

yc = 7.590 px

Z profile & fitting parameters:



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

Sum of residuals squared: 55388.5858

Standard deviation: 13.43201

R^2 : 0.98322

Parameters:

a = 115.77306

b = 818.23762

c = 14.83263

d = 0.85434

Bead 720 (Rejected)

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

Coordinates : 128 μm (x), -33.0 μm (y), 14.4 μm (z)

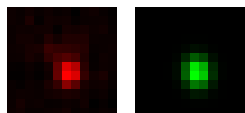
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

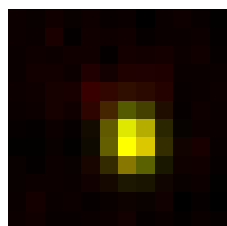
FWHM	Non corrected	Corrected	Theoretical
min	465 nm	485 nm	270 nm
max	560 nm	584 nm	270 nm
z	2.59 μm	2.6 μm	1.3 μm
Asymmetry	0.83		
Theta	-83.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 418.839 (brightness)

B = 123.104 (background)

a = 0.618 px

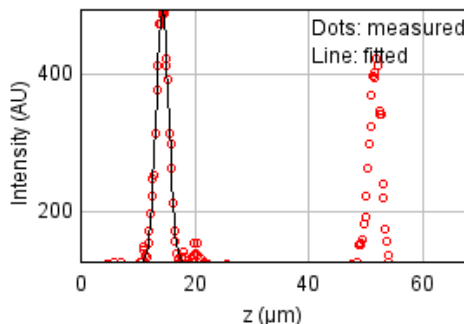
b = -0.021 px

c = 0.430 px

xc = 6.288 px

yc = 6.625 px

Z profile & fitting parameters:



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

Sum of residuals squared: 812408.407

Standard deviation: 51.44202

R^2 : 0.58493

Parameters:

a = 126.53390

b = 496.80956

c = 14.41497

d = 1.09973

Bead 721

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

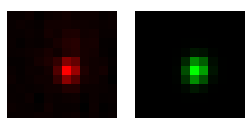
Coordinates : -119 μm (x), -40.8 μm (y), 14.2 μm (z)

Corresponding bead : Not found

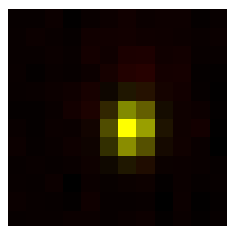
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	474 nm	493 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.841		
Theta	79.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 416.024$ (brightness)

$B = 117.295$ (background)

$a = 0.837$ px

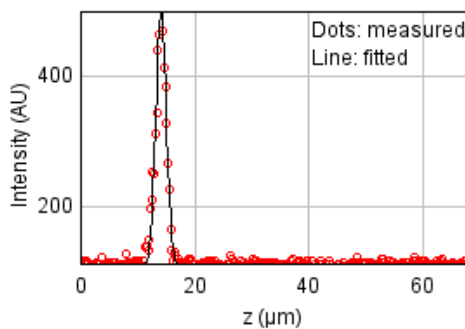
$b = 0.045$ px

$c = 0.607$ px

$x_c = 6.216$ px

$y_c = 5.993$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18382.2662

Standard deviation: 7.73803

$R^2: 0.98284$

Parameters:

$a = 112.03054$

$b = 501.34542$

$c = 14.17596$

$d = 0.90528$

Bead 722 (Rejected)

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

Coordinates : -139 μm (x), -88.4 μm (y), 11.7 μm (z)

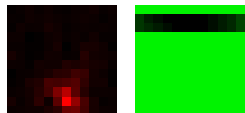
Corresponding bead : Not found

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

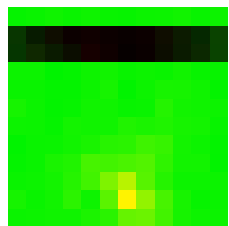
FWHM	Non corrected	Corrected	Theoretical
min	140 nm	146 nm	270 nm
max	3.79 μm	3.94 μm	270 nm
z	3.43 μm	3.44 μm	1.3 μm
Asymmetry	0.037		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.041$



Parameters:

A = -100.340 (brightness)

B = 138.058 (background)

a = -0.009 px

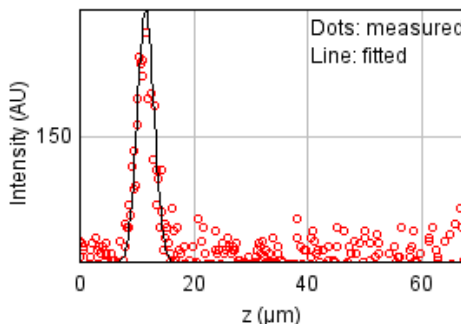
b = -0.002 px

c = 6.801 px

xc = 5.293 px

yc = 1.498 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14612.2826

Standard deviation: 6.89906

R^2 : 0.82063

Parameters:

a = 110.95642

b = 189.52471

c = 11.67315

d = 1.45491

Bead 723 (Rejected)

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

Coordinates : 30.2 μm (x), 78.0 μm (y), 11.7 μm (z)

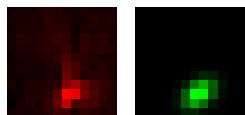
Corresponding bead : Not found

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

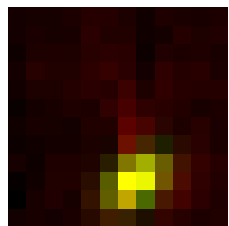
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	627 nm	653 nm	270 nm
z	3.71 μm	3.73 μm	1.3 μm
Asymmetry	0.663		
Theta	39.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.835$



Parameters:

A = 224.798 (brightness)

B = 121.420 (background)

a = 0.517 px

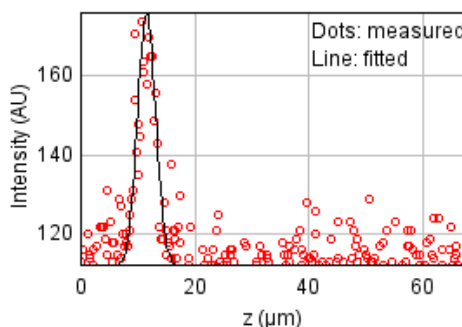
b = 0.214 px

c = 0.600 px

xc = 6.480 px

yc = 8.974 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16158.7664

Standard deviation: 7.25496

R^2 : 0.74757

Parameters:

a = 111.95000

b = 176.01286

c = 11.65487

d = 1.57744

Bead 724

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

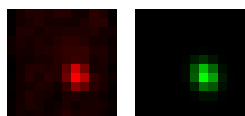
Coordinates : -134 μm (x), 75.0 μm (y), 13.7 μm (z)

Corresponding bead : Not found

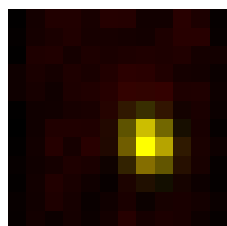
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	505 nm	526 nm	270 nm
z	2.45 μm	2.46 μm	1.3 μm
Asymmetry	0.83		
Theta	-66.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.907$



Parameters:

$A = 237.572$ (brightness)

$B = 115.948$ (background)

$a = 0.724$ px

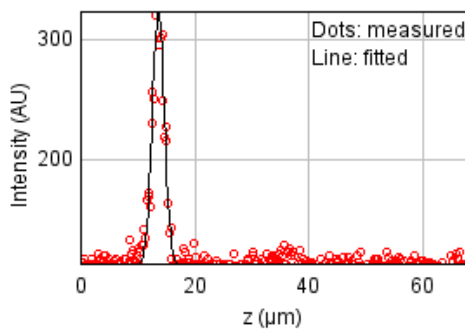
$b = -0.088$ px

$c = 0.565$ px

$xc = 7.172$ px

$yc = 6.783$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19132.1339

Standard deviation: 7.89428

$R^2: 0.94893$

Parameters:

$a = 112.56852$

$b = 324.25625$

$c = 13.69028$

$d = 1.04145$

Bead 725

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

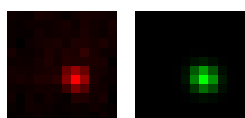
Coordinates : -143 μm (x), 70.5 μm (y), 14.2 μm (z)

Corresponding bead : Not found

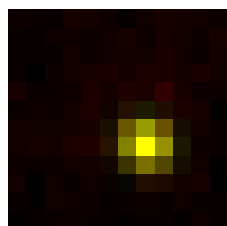
FWHM	Non corrected	Corrected	Theoretical
min	442 nm	460 nm	270 nm
max	478 nm	498 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.923		
Theta	-35.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 266.964 (brightness)

B = 118.946 (background)

a = 0.621 px

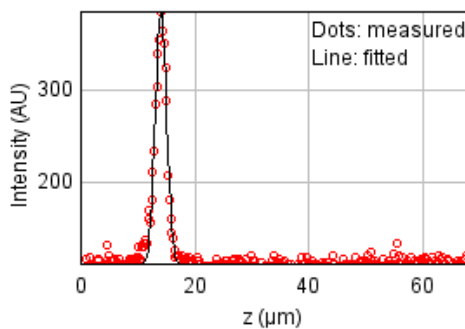
b = -0.048 px

c = 0.653 px

xc = 7.038 px

yc = 6.871 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18066.7035

Standard deviation: 7.67132

R^2 : 0.96872

Parameters:

a = 112.18582

b = 385.13500

c = 14.16073

d = 0.98259

Bead 726

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

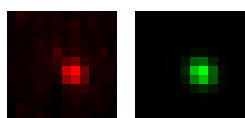
Coordinates : 160 μm (x), 49.8 μm (y), 14.1 μm (z)

Corresponding bead : Not found

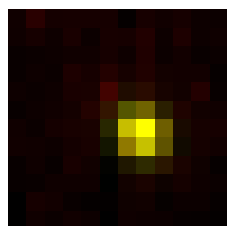
FWHM	Non corrected	Corrected	Theoretical
min	433 nm	451 nm	270 nm
max	493 nm	514 nm	270 nm
z	2.46 μm	2.47 μm	1.3 μm
Asymmetry	0.877		
Theta	-50.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 249.224$ (brightness)

$B = 115.484$ (background)

$a = 0.650$ px

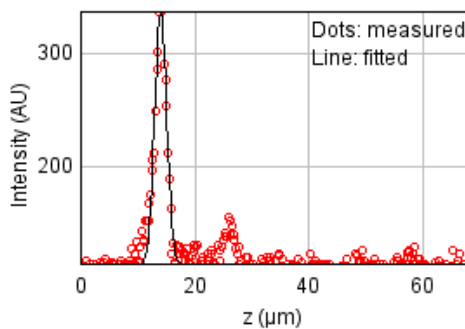
$b = -0.081$ px

$c = 0.618$ px

$x_c = 6.761$ px

$y_c = 6.240$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 34319.5901

Standard deviation: 10.57309

$R^2: 0.91998$

Parameters:

$a = 114.50738$

$b = 337.20161$

$c = 14.10853$

$d = 1.04469$

Bead 727 (Rejected)

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

Coordinates : -68.2 μm (x), 21.3 μm (y), 11.6 μm (z)

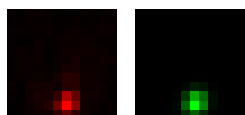
Corresponding bead : Not found

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

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	449 nm	468 nm	270 nm
z	4.27 μm	4.28 μm	1.3 μm
Asymmetry	0.869		
Theta	62.4°		

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 = 670.415 (brightness)

B = 124.928 (background)

a = 0.833 px

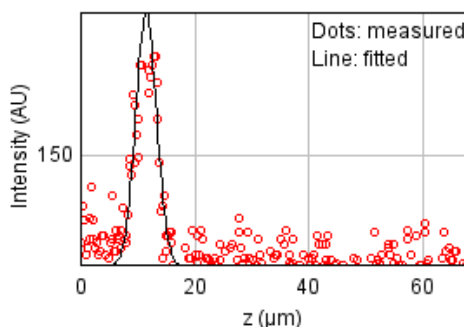
b = 0.088 px

c = 0.710 px

xc = 6.116 px

yc = 9.781 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18412.7195

Standard deviation: 7.74444

R^2 : 0.83067

Parameters:

a = 114.15362

b = 196.83592

c = 11.57086

d = 1.81165

Bead 728 (Rejected)

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

Coordinates : -52.6 μm (x), 12.6 μm (y), 11.5 μm (z)

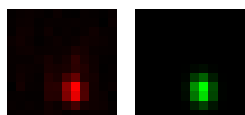
Corresponding bead : Not found

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

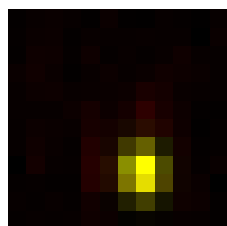
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	490 nm	510 nm	270 nm
z	4.47 μm	4.49 μm	1.3 μm
Asymmetry	0.785		
Theta	-85.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 531.772 (brightness)

B = 126.613 (background)

a = 0.904 px

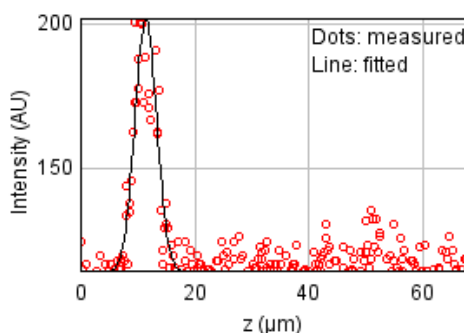
b = -0.027 px

c = 0.561 px

xc = 6.830 px

yc = 8.363 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19609.9365

Standard deviation: 7.99225

R^2 : 0.84272

Parameters:

a = 114.37588

b = 201.70468

c = 11.50222

d = 1.89871

Bead 729 (Rejected)

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

Coordinates : -55.7 μm (x), -24.0 μm (y), 15.1 μm (z)

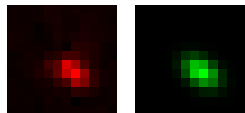
Corresponding bead : Not found

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

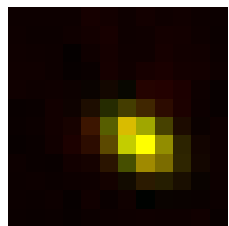
FWHM	Non corrected	Corrected	Theoretical
min	457 nm	476 nm	270 nm
max	688 nm	717 nm	270 nm
z	4.51 μm	4.53 μm	1.3 μm
Asymmetry	0.663		
Theta	-35.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 498.741 (brightness)

B = 119.757 (background)

a = 0.406 px

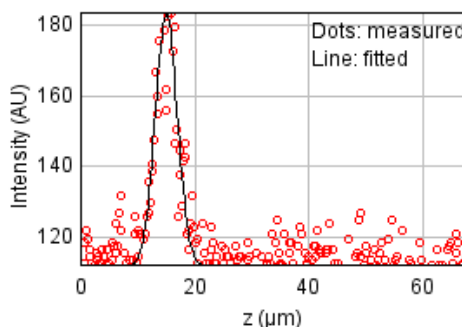
b = -0.171 px

c = 0.521 px

xc = 6.690 px

yc = 6.809 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14976.1819

Standard deviation: 6.98444

R^2 : 0.82565

Parameters:

a = 112.13518

b = 183.61253

c = 15.08648

d = 1.91475

Bead 730

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

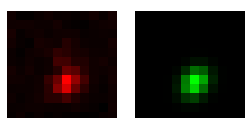
Coordinates : 40.7 μm (x), -48.8 μm (y), 14.4 μm (z)

Corresponding bead : Not found

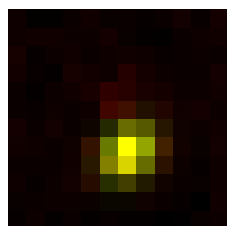
FWHM	Non corrected	Corrected	Theoretical
min	446 nm	464 nm	270 nm
max	558 nm	581 nm	270 nm
z	2.17 μm	2.18 μm	1.3 μm
Asymmetry	0.799		
Theta	52.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.928$



Parameters:

$A = 279.388$ (brightness)

$B = 121.803$ (background)

$a = 0.585$ px

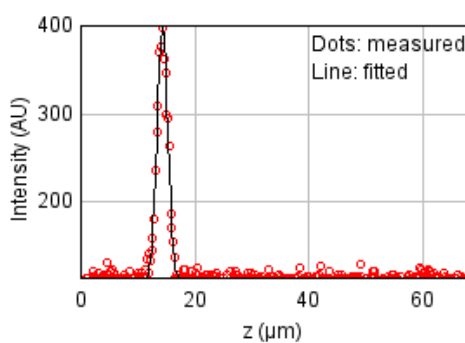
$b = 0.118$ px

$c = 0.521$ px

$xc = 6.068$ px

$yc = 7.306$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 13725.7264

Standard deviation: 6.68649

$R^2: 0.97744$

Parameters:

$a = 112.28207$

$b = 402.31879$

$c = 14.41576$

$d = 0.92208$

Bead 731

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

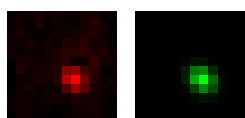
Coordinates : 155 μm (x), -78.6 μm (y), 13.9 μm (z)

Corresponding bead : Not found

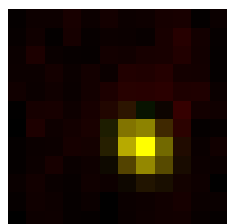
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	517 nm	539 nm	270 nm
z	2.4 μm	2.41 μm	1.3 μm
Asymmetry	0.798		
Theta	-45.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 208.809$ (brightness)

$B = 113.667$ (background)

$a = 0.646$ px

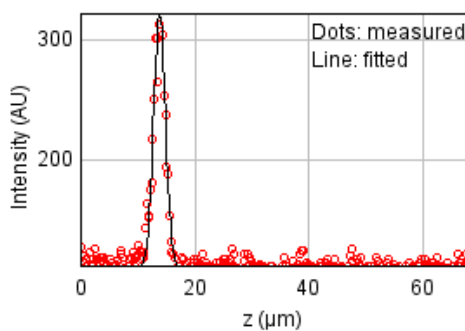
$b = -0.143$ px

$c = 0.644$ px

$x_c = 6.807$ px

$y_c = 6.970$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19356.6635

Standard deviation: 7.94047

$R^2: 0.94730$

Parameters:

$a = 110.73871$

$b = 322.17907$

$c = 13.89822$

$d = 1.02050$

Bead 732

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

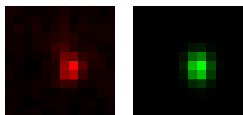
Coordinates : 118 μm (x), -78.9 μm (y), 14.3 μm (z)

Corresponding bead : Not found

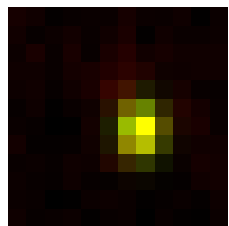
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	528 nm	550 nm	270 nm
z	1.73 μm	1.74 μm	1.3 μm
Asymmetry	0.794		
Theta	-86.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 281.319$ (brightness)

$B = 118.201$ (background)

$a = 0.763$ px

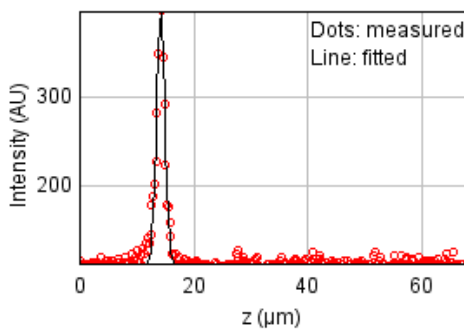
$b = -0.015$ px

$c = 0.482$ px

$x_c = 6.708$ px

$y_c = 6.186$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18590.4193

Standard deviation: 7.78172

$R^2: 0.96093$

Parameters:

$a = 111.68264$

$b = 395.06313$

$c = 14.28275$

$d = 0.73488$

Bead 733

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

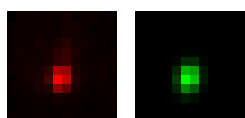
Coordinates : 23.8 μm (x), -81.9 μm (y), 42.1 μm (z)

Corresponding bead : Not found

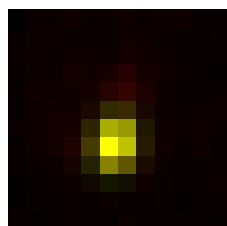
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	511 nm	532 nm	270 nm
z	2.08 μm	2.08 μm	1.3 μm
Asymmetry	0.764		
Theta	79.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 754.653$ (brightness)

$B = 126.626$ (background)

$a = 0.866$ px

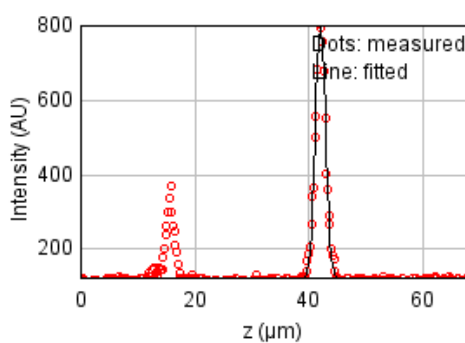
$b = 0.069$ px

$c = 0.527$ px

$x_c = 5.358$ px

$y_c = 6.810$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 321506.427

Standard deviation: 32.36128

$R^2: 0.90743$

Parameters:

$a = 121.69396$

$b = 803.74954$

$c = 42.09065$

$d = 0.88150$

Bead 734 (Rejected)

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

Coordinates : -140 μm (x), -90.0 μm (y), 10.5 μm (z)

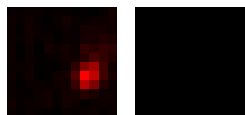
Corresponding bead : Not found

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

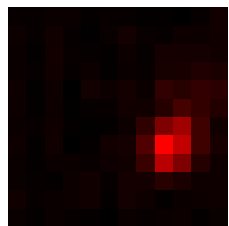
FWHM	Non corrected	Corrected	Theoretical
min	1.97 μm	2.05 μm	270 nm
max	3.43 μm	3.57 μm	270 nm
z	3.92 μm	3.94 μm	1.3 μm
Asymmetry	0.574		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.185$



Parameters:

A = -54.462 (brightness)

B = 171.862 (background)

a = 0.030 px

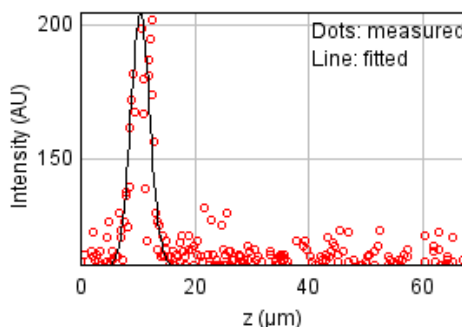
b = 0.014 px

c = -0.006 px

xc = 2.006 px

yc = 5.460 px

Z profile & fitting parameters:



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

Sum of residuals squared: 29334.9340

Standard deviation: 9.77515

R^2 : 0.78575

Parameters:

a = 110.56130

b = 204.24825

c = 10.53918

d = 1.66671

Bead 735

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

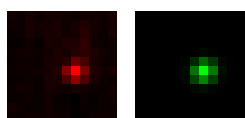
Coordinates : 137 μm (x), 75.8 μm (y), 14.8 μm (z)

Corresponding bead : Not found

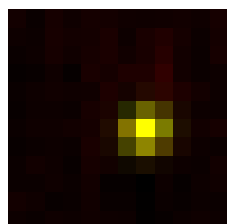
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	429 nm	447 nm	270 nm
z	2.21 μm	2.22 μm	1.3 μm
Asymmetry	0.935		
Theta	32.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 341.881 (brightness)

B = 119.528 (background)

a = 0.758 px

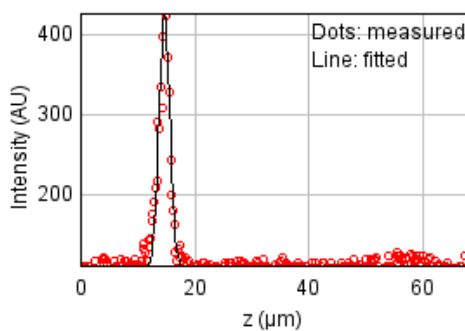
b = 0.048 px

c = 0.802 px

xc = 7.016 px

yc = 6.094 px

Z profile & fitting parameters:



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

Sum of residuals squared: 35910.3960

Standard deviation: 10.81536

R^2 : 0.95180

Parameters:

a = 112.13562

b = 425.86680

c = 14.76526

d = 0.94059

Bead 736

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

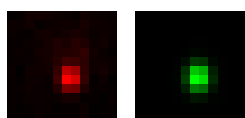
Coordinates : 116 μm (x), 73.6 μm (y), 14.9 μm (z)

Corresponding bead : Not found

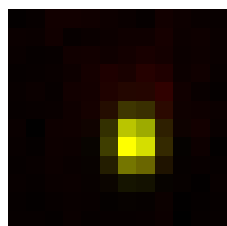
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	433 nm	270 nm
max	510 nm	531 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.815		
Theta	-89.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 591.967$ (brightness)

$B = 124.341$ (background)

$a = 0.778$ px

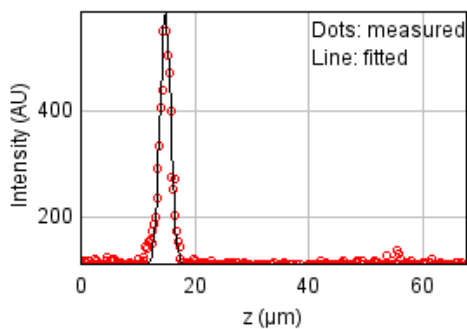
$b = -0.001$ px

$c = 0.516$ px

$x_c = 6.408$ px

$y_c = 6.752$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 36943.0707

Standard deviation: 10.96976

$R^2: 0.97755$

Parameters:

$a = 113.25027$

$b = 588.12851$

$c = 14.92334$

$d = 0.93093$

Bead 737

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

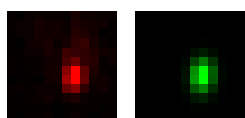
Coordinates : 1.73 μm (x), 68.0 μm (y), 15.0 μm (z)

Corresponding bead : Not found

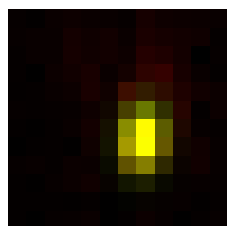
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	613 nm	638 nm	270 nm
z	2.21 μm	2.22 μm	1.3 μm
Asymmetry	0.673		
Theta	85.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 539.977 (brightness)

B = 123.622 (background)

a = 0.787 px

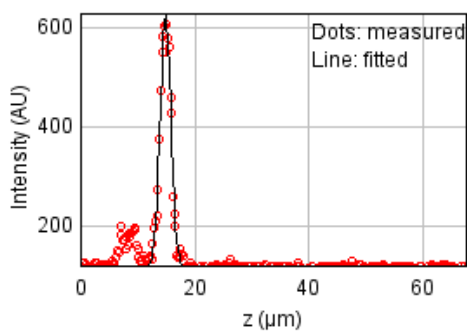
b = 0.035 px

c = 0.360 px

xc = 6.842 px

yc = 6.540 px

Z profile & fitting parameters:



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

Sum of residuals squared: 99521.6605

Standard deviation: 18.00485

R^2 : 0.94968

Parameters:

a = 118.51983

b = 629.38299

c = 14.95429

d = 0.93957

Bead 738

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

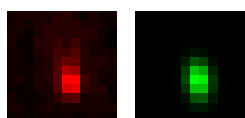
Coordinates : 77.8 μm (x), 38.6 μm (y), 14.3 μm (z)

Corresponding bead : Not found

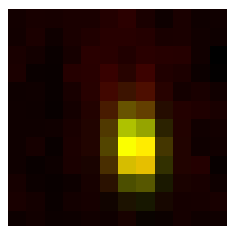
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	689 nm	718 nm	270 nm
z	2.75 μm	2.76 μm	1.3 μm
Asymmetry	0.634		
Theta	-83.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 285.990 (brightness)

B = 120.977 (background)

a = 0.697 px

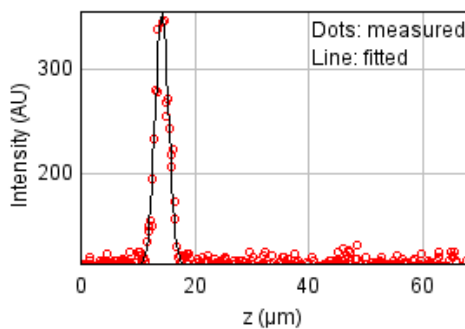
b = -0.045 px

c = 0.287 px

xc = 6.447 px

yc = 7.049 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23910.9469

Standard deviation: 8.82529

R^2 : 0.95540

Parameters:

a = 113.31360

b = 354.22233

c = 14.32042

d = 1.16670

Bead 739 (Rejected)

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

Coordinates : -98.2 μm (x), -8.56 μm (y), 10.8 μm (z)

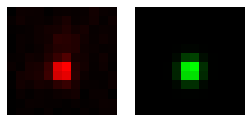
Corresponding bead : Not found

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

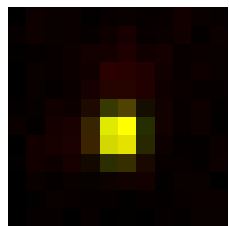
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	427 nm	445 nm	270 nm
z	4.38 μm	4.4 μm	1.3 μm
Asymmetry	0.906		
Theta	82.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 490.757$ (brightness)

$B = 122.142$ (background)

$a = 0.893$ px

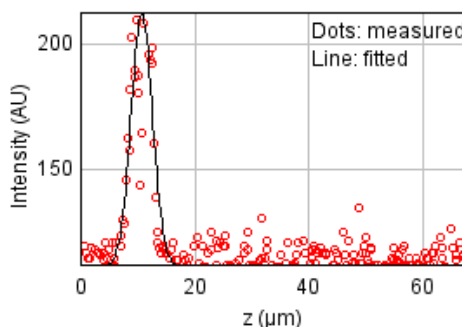
$b = 0.021$ px

$c = 0.737$ px

$x_c = 5.538$ 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: 30093.5130

Standard deviation: 9.90073

$R^2: 0.82051$

Parameters:

$a = 111.71141$

$b = 212.53200$

$c = 10.79970$

$d = 1.86109$

Bead 740

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

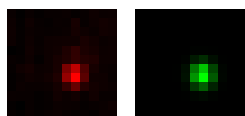
Coordinates : -150 μm (x), -18.7 μm (y), 14.9 μm (z)

Corresponding bead : Not found

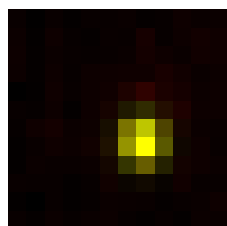
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	459 nm	479 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.893		
Theta	-88.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 475.923$ (brightness)

$B = 119.011$ (background)

$a = 0.797$ px

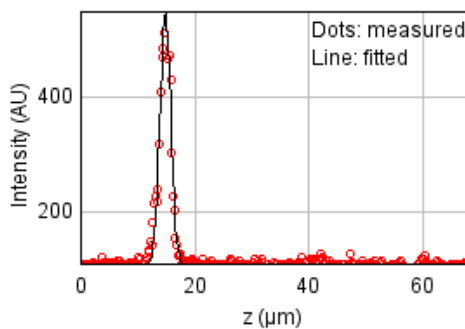
$b = -0.006$ px

$c = 0.636$ px

$x_c = 6.840$ px

$y_c = 6.701$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 33599.0167

Standard deviation: 10.46150

$R^2: 0.97608$

Parameters:

$a = 111.14538$

$b = 547.08389$

$c = 14.93062$

$d = 0.94207$

Bead 741

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

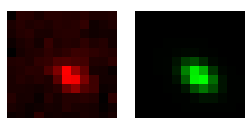
Coordinates : 149 μm (x), -58.3 μm (y), 13.8 μm (z)

Corresponding bead : Not found

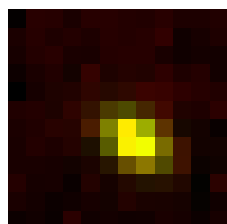
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	642 nm	668 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.681		
Theta	-36.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 177.888$ (brightness)

$B = 117.481$ (background)

$a = 0.459$ px

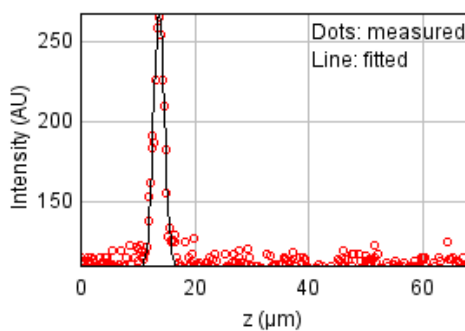
$b = -0.180$ px

$c = 0.569$ px

$x_c = 6.421$ px

$y_c = 6.654$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 12508.5945

Standard deviation: 6.38315

$R^2: 0.93440$

Parameters:

$a = 110.54679$

$b = 267.27948$

$c = 13.81572$

$d = 0.94726$

Bead 742

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

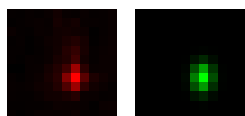
Coordinates : -25.3 μm (x), -63.5 μm (y), 14.8 μm (z)

Corresponding bead : Not found

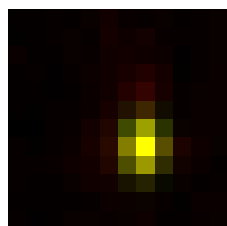
FWHM	Non corrected	Corrected	Theoretical
min	375 nm	390 nm	270 nm
max	524 nm	546 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.715		
Theta	87.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 541.371$ (brightness)

$B = 122.595$ (background)

$a = 0.955$ px

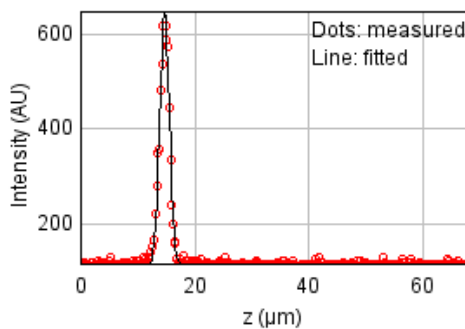
$b = 0.023$ px

$c = 0.489$ px

$x_c = 6.873$ px

$y_c = 6.979$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23206.2731

Standard deviation: 8.69428

$R^2: 0.98749$

Parameters:

$a = 113.54034$

$b = 647.81959$

$c = 14.78497$

$d = 0.83246$

Bead 743

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

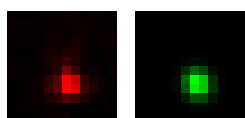
Coordinates : -14.9 μm (x), -77.4 μm (y), 15.0 μm (z)

Corresponding bead : Not found

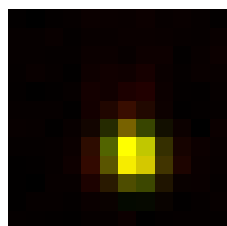
FWHM	Non corrected	Corrected	Theoretical
min	467 nm	487 nm	270 nm
max	518 nm	540 nm	270 nm
z	2.03 μm	2.04 μm	1.3 μm
Asymmetry	0.902		
Theta	-64.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 639.005 (brightness)

B = 124.575 (background)

a = 0.593 px

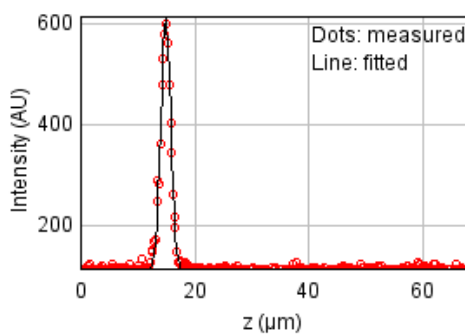
b = -0.045 px

c = 0.521 px

xc = 6.320 px

yc = 7.451 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23424.3969

Standard deviation: 8.73504

R^2 : 0.98605

Parameters:

a = 114.33127

b = 613.88506

c = 14.98718

d = 0.86229

Bead 744

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

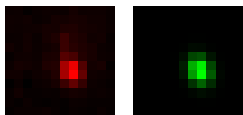
Coordinates : -76.2 μm (x), 71.5 μm (y), 15.2 μm (z)

Corresponding bead : Not found

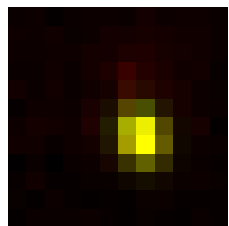
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	429 nm	270 nm
max	524 nm	546 nm	270 nm
z	2.18 μm	2.18 μm	1.3 μm
Asymmetry	0.785		
Theta	-71.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 511.427$ (brightness)

$B = 123.928$ (background)

$a = 0.762$ px

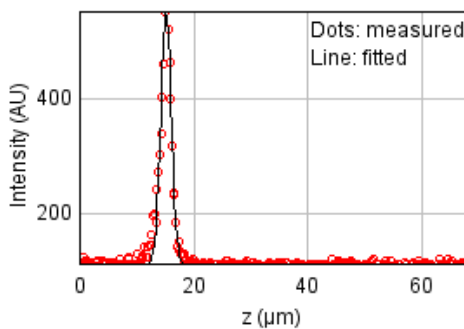
$b = -0.091$ px

$c = 0.518$ px

$x_c = 6.769$ px

$y_c = 6.524$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 33873.8108

Standard deviation: 10.50420

$R^2: 0.97541$

Parameters:

$a = 114.12981$

$b = 549.67917$

$c = 15.21713$

$d = 0.92392$

Bead 745

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

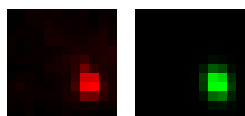
Coordinates : 76.2 μm (x), -37.2 μm (y), 17.5 μm (z)

Corresponding bead : Not found

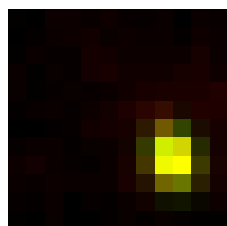
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	542 nm	565 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.771		
Theta	-77.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 547.287$ (brightness)

$B = 131.761$ (background)

$a = 0.752$ px

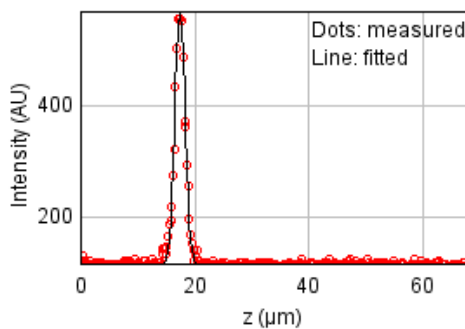
$b = -0.068$ px

$c = 0.472$ px

$x_c = 8.480$ px

$y_c = 7.617$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19035.1831

Standard deviation: 7.87425

$R^2: 0.98678$

Parameters:

$a = 113.84930$

$b = 571.73524$

$c = 17.48640$

$d = 0.88200$

Bead 746 (Rejected)

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

Coordinates : -5.95 μm (x), -46.8 μm (y), 11.6 μm (z)

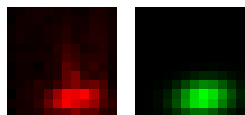
Corresponding bead : Not found

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

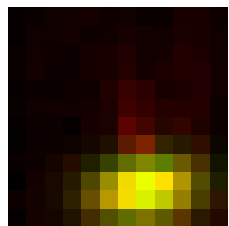
FWHM	Non corrected	Corrected	Theoretical
min	614 nm	640 nm	270 nm
max	1.0 μm	1.04 μm	270 nm
z	3.33 μm	3.34 μm	1.3 μm
Asymmetry	0.614		
Theta	7.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 281.759 (brightness)

B = 124.726 (background)

a = 0.138 px

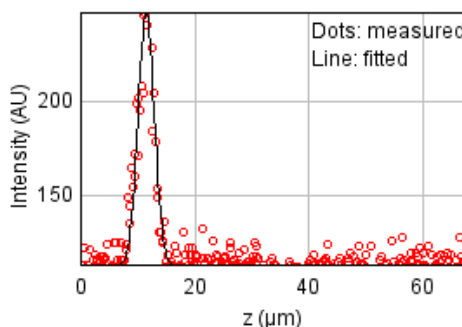
b = 0.029 px

c = 0.352 px

xc = 6.959 px

yc = 9.422 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20661.5796

Standard deviation: 8.20375

R^2 : 0.90362

Parameters:

a = 112.55158

b = 248.11033

c = 11.57928

d = 1.41281

Bead 747 (Rejected)

Date : Mon Oct 17 13:51:24 PDT 2022

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

Frame size : 12 pixels

Coordinates : 163 μm (x), -51.4 μm (y), 14.3 μm (z)

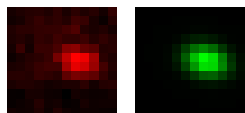
Corresponding bead : Not found

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

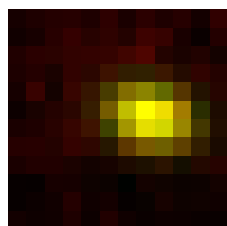
FWHM	Non corrected	Corrected	Theoretical
min	572 nm	596 nm	270 nm
max	811 nm	845 nm	270 nm
z	3.78 μm	3.79 μm	1.3 μm
Asymmetry	0.706		
Theta	-14.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 167.026 (brightness)

B = 119.477 (background)

a = 0.217 px

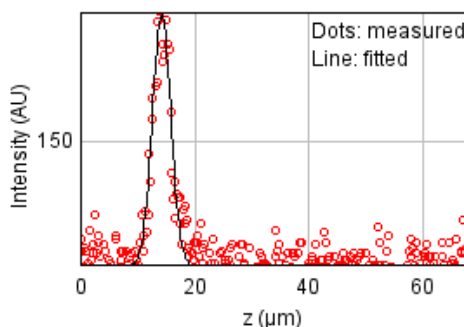
b = -0.051 px

c = 0.396 px

xc = 7.258 px

yc = 5.363 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13626.9894

Standard deviation: 6.66240

R^2 : 0.85960

Parameters:

a = 108.92789

b = 192.87553

c = 14.28709

d = 1.60402

Bead 748

Date : Mon Oct 17 13:51:24 PDT 2022

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

Frame size : 12 pixels

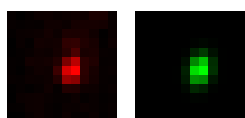
Coordinates : -80.0 μm (x), -63.4 μm (y), 14.6 μm (z)

Corresponding bead : Not found

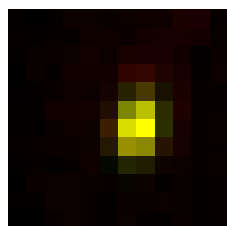
FWHM	Non corrected	Corrected	Theoretical
min	379 nm	395 nm	270 nm
max	555 nm	578 nm	270 nm
z	2.87 μm	2.88 μm	1.3 μm
Asymmetry	0.684		
Theta	77.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 458.325 (brightness)

B = 119.856 (background)

a = 0.909 px

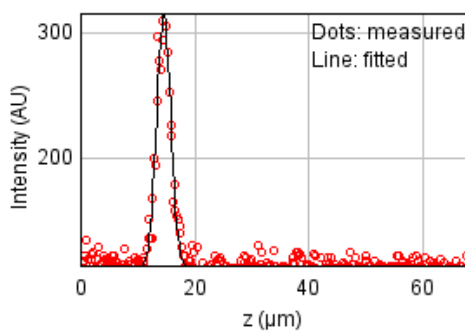
b = 0.105 px

c = 0.460 px

xc = 6.589 px

yc = 5.905 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19247.2175

Standard deviation: 7.91799

R^2 : 0.95098

Parameters:

a = 113.67802

b = 315.37047

c = 14.64104

d = 1.21677

Bead 749 (Rejected)

Date : Mon Oct 17 13:51:24 PDT 2022

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

Frame size : 12 pixels

Coordinates : 107 μm (x), -74.1 μm (y), 12.2 μm (z)

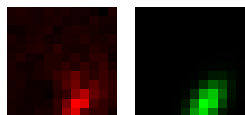
Corresponding bead : Not found

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

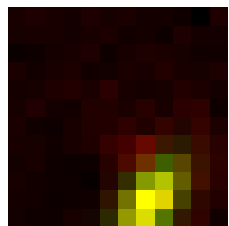
FWHM	Non corrected	Corrected	Theoretical
min	457 nm	476 nm	270 nm
max	865 nm	901 nm	270 nm
z	3.37 μm	3.38 μm	1.3 μm
Asymmetry	0.529		
Theta	55.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.874$



Parameters:

A = 243.649 (brightness)

B = 121.128 (background)

a = 0.493 px

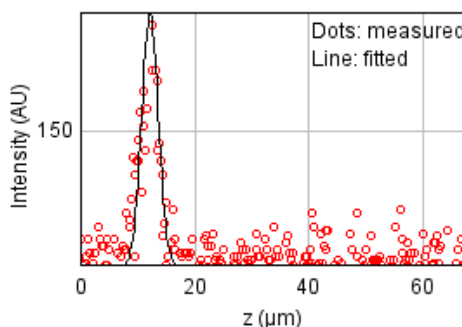
b = 0.216 px

c = 0.328 px

xc = 7.264 px

yc = 10.098 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14462.9751

Standard deviation: 6.86372

R^2 : 0.79680

Parameters:

a = 111.46165

b = 184.38756

c = 12.24265

d = 1.43075

Bead 750

Date : Mon Oct 17 13:51:24 PDT 2022

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

Frame size : 12 pixels

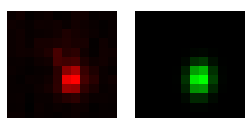
Coordinates : 109 μm (x), -85.9 μm (y), 15.0 μm (z)

Corresponding bead : Not found

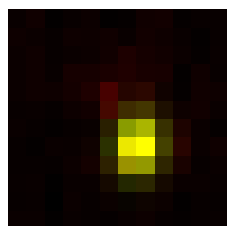
FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	561 nm	584 nm	270 nm
z	2.29 μm	2.3 μm	1.3 μm
Asymmetry	0.763		
Theta	85.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 497.551$ (brightness)

$B = 122.580$ (background)

$a = 0.731$ px

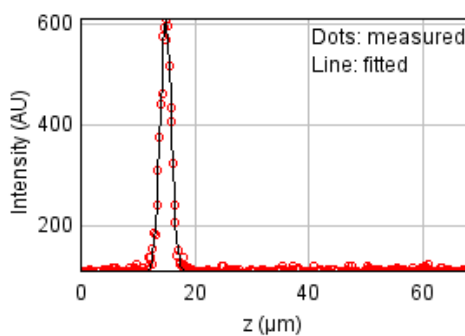
$b = 0.026$ px

$c = 0.429$ px

$x_c = 6.567$ px

$y_c = 6.928$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19582.1403

Standard deviation: 7.98658

$R^2: 0.98946$

Parameters:

$a = 112.52864$

$b = 609.56831$

$c = 14.98908$

$d = 0.97352$

Bead 751

Date : Mon Oct 17 13:51:24 PDT 2022

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

Frame size : 12 pixels

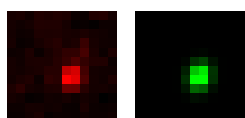
Coordinates : 146 μm (x), 94.8 μm (y), 14.5 μm (z)

Corresponding bead : Not found

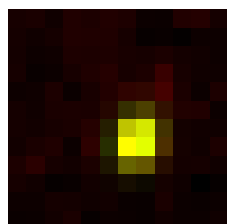
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	409 nm	270 nm
max	487 nm	507 nm	270 nm
z	2.53 μm	2.54 μm	1.3 μm
Asymmetry	0.806		
Theta	73.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 236.131$ (brightness)

$B = 116.988$ (background)

$a = 0.847$ px

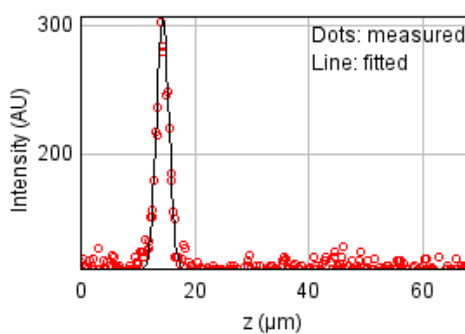
$b = 0.082$ px

$c = 0.591$ px

$xc = 6.537$ px

$yc = 6.641$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17796.0307

Standard deviation: 7.61364

$R^2: 0.94711$

Parameters:

$a = 110.18893$

$b = 307.68402$

$c = 14.46118$

$d = 1.07448$

Bead 752

Date : Mon Oct 17 13:51:25 PDT 2022

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

Frame size : 12 pixels

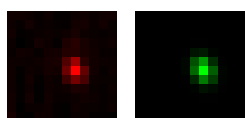
Coordinates : -73.9 μm (x), 80.7 μm (y), 15.0 μm (z)

Corresponding bead : Not found

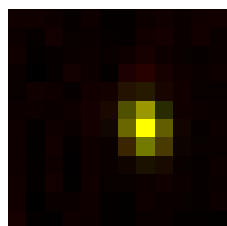
FWHM	Non corrected	Corrected	Theoretical
min	364 nm	379 nm	270 nm
max	482 nm	502 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.756		
Theta	-70.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 354.082 (brightness)

B = 117.875 (background)

a = 0.961 px

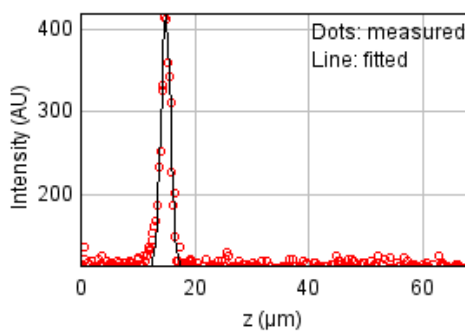
b = -0.139 px

c = 0.629 px

xc = 6.959 px

yc = 5.903 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25461.1516

Standard deviation: 9.10688

R^2 : 0.95942

Parameters:

a = 113.35724

b = 418.40660

c = 14.99674

d = 0.83983

Bead 753 (Rejected)

Date : Mon Oct 17 13:51:25 PDT 2022

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

Frame size : 12 pixels

Coordinates : -48.1 μm (x), 65.3 μm (y), 11.8 μm (z)

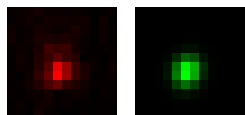
Corresponding bead : Not found

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

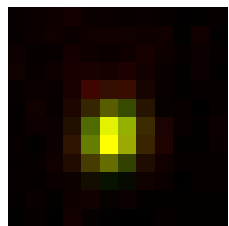
FWHM	Non corrected	Corrected	Theoretical
min	480 nm	500 nm	270 nm
max	557 nm	580 nm	270 nm
z	4.14 μm	4.16 μm	1.3 μm
Asymmetry	0.862		
Theta	68.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 436.311 (brightness)

B = 122.987 (background)

a = 0.562 px

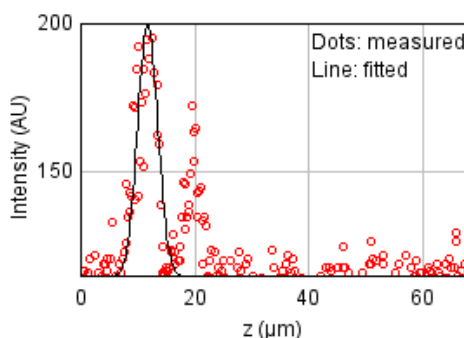
b = 0.051 px

c = 0.452 px

xc = 5.173 px

yc = 6.541 px

Z profile & fitting parameters:



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

Sum of residuals squared: 44337.3319

Standard deviation: 12.01754

R^2 : 0.67984

Parameters:

a = 114.67576

b = 200.23307

c = 11.84260

d = 1.75814

Bead 754

Date : Mon Oct 17 13:51:25 PDT 2022

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

Frame size : 12 pixels

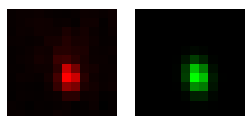
Coordinates : -12.5 μm (x), 47.7 μm (y), 15.1 μm (z)

Corresponding bead : Not found

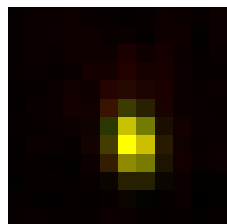
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	559 nm	582 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.7		
Theta	-79.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 584.249 (brightness)

B = 124.318 (background)

a = 0.861 px

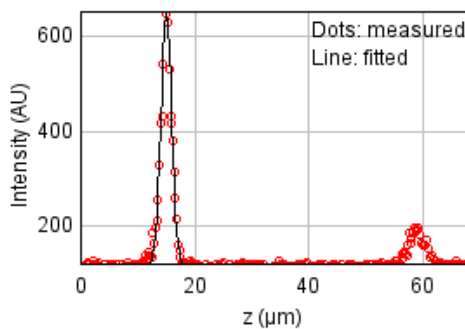
b = -0.082 px

c = 0.445 px

xc = 6.319 px

yc = 6.870 px

Z profile & fitting parameters:



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

Sum of residuals squared: 108410.063

Standard deviation: 18.79168

R^2 : 0.94981

Parameters:

a = 118.08462

b = 655.67810

c = 15.08823

d = 0.92600

Bead 755

Date : Mon Oct 17 13:51:25 PDT 2022

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

Frame size : 12 pixels

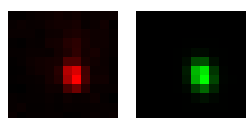
Coordinates : -52.0 μm (x), 43.3 μm (y), 15.2 μm (z)

Corresponding bead : Not found

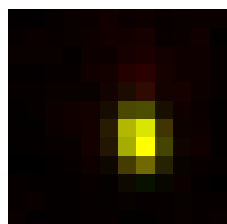
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	529 nm	551 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.744		
Theta	-77.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 587.017$ (brightness)

$B = 125.452$ (background)

$a = 0.849$ px

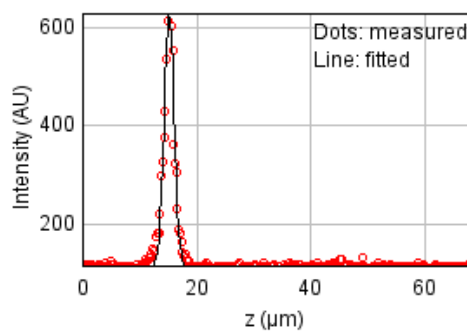
$b = -0.080$ px

$c = 0.496$ px

$x_c = 6.687$ px

$y_c = 6.557$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 36015.5371

Standard deviation: 10.83118

$R^2: 0.98021$

Parameters:

$a = 114.11066$

$b = 629.12327$

$c = 15.23179$

$d = 0.87491$

Bead 756

Date : Mon Oct 17 13:51:25 PDT 2022

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

Frame size : 12 pixels

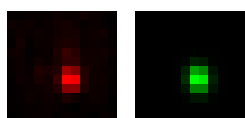
Coordinates : -65.2 μm (x), 28.5 μm (y), 15.5 μm (z)

Corresponding bead : Not found

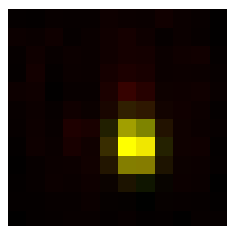
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	480 nm	500 nm	270 nm
z	2.12 μm	2.12 μm	1.3 μm
Asymmetry	0.793		
Theta	-82.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 523.556$ (brightness)

$B = 123.314$ (background)

$a = 0.922$ px

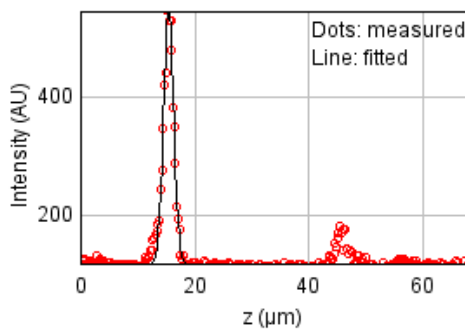
$b = -0.043$ px

$c = 0.589$ px

$x_c = 6.443$ px

$y_c = 6.935$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 53639.6104

Standard deviation: 13.21824

$R^2: 0.95969$

Parameters:

$a = 117.45449$

$b = 547.64402$

$c = 15.49094$

$d = 0.89871$

Bead 757 (Rejected)

Date : Mon Oct 17 13:51:25 PDT 2022

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

Frame size : 12 pixels

Coordinates : -8.22 μm (x), 22.2 μm (y), 12.1 μm (z)

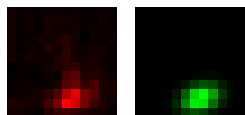
Corresponding bead : Not found

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

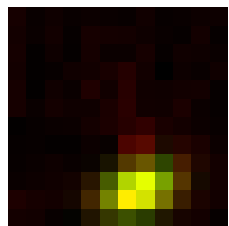
FWHM	Non corrected	Corrected	Theoretical
min	457 nm	476 nm	270 nm
max	692 nm	721 nm	270 nm
z	4.23 μm	4.25 μm	1.3 μm
Asymmetry	0.66		
Theta	20.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 265.056 (brightness)

B = 122.581 (background)

a = 0.322 px

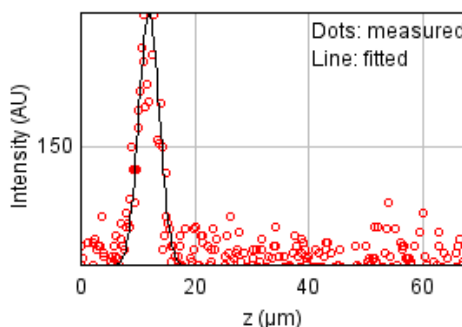
b = 0.117 px

c = 0.600 px

xc = 6.617 px

yc = 9.475 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16440.7973

Standard deviation: 7.31800

R^2 : 0.82374

Parameters:

a = 113.87127

b = 190.42248

c = 12.08217

d = 1.79619

Bead 758 (Rejected)

Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

Coordinates : 48.8 μm (x), 21.8 μm (y), 12.4 μm (z)

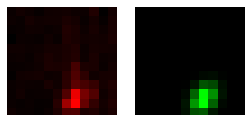
Corresponding bead : Not found

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

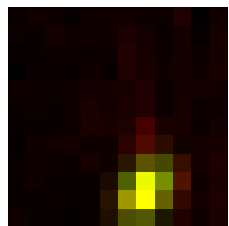
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	567 nm	591 nm	270 nm
z	3.65 μm	3.67 μm	1.3 μm
Asymmetry	0.691		
Theta	57.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 293.028 (brightness)

B = 120.759 (background)

a = 0.745 px

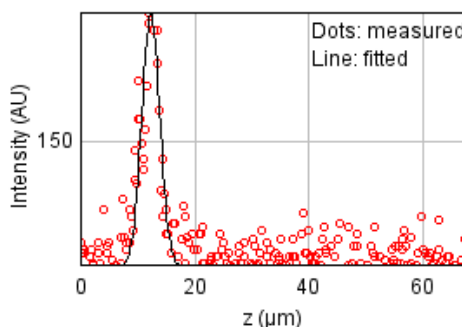
b = 0.206 px

c = 0.546 px

xc = 6.982 px

yc = 9.526 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18014.7145

Standard deviation: 7.66028

R^2 : 0.78512

Parameters:

a = 113.16281

b = 188.88481

c = 12.37866

d = 1.55067

Bead 759

Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

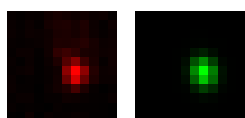
Coordinates : 94.6 μm (x), 15.9 μm (y), 15.2 μm (z)

Corresponding bead : Not found

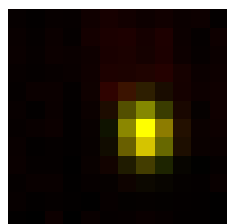
FWHM	Non corrected	Corrected	Theoretical
min	442 nm	460 nm	270 nm
max	552 nm	574 nm	270 nm
z	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.801		
Theta	-79.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 379.055$ (brightness)

$B = 119.408$ (background)

$a = 0.679$ px

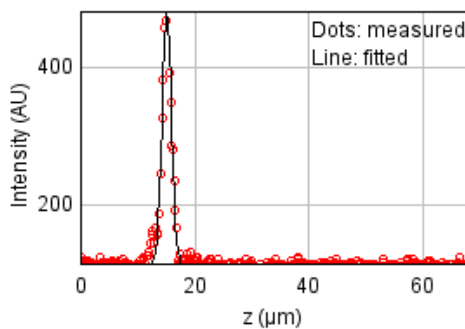
$b = -0.044$ px

$c = 0.449$ px

$x_c = 6.981$ px

$y_c = 6.202$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25211.8396

Standard deviation: 9.06219

$R^2: 0.97158$

Parameters:

$a = 112.93115$

$b = 481.83893$

$c = 15.16555$

$d = 0.82132$

Bead 760

Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

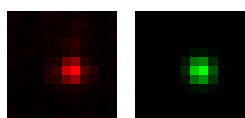
Coordinates : -49.6 μm (x), -24.3 μm (y), 15.8 μm (z)

Corresponding bead : Not found

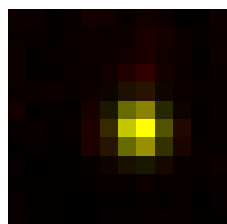
FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	468 nm	487 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.938		
Theta	-69.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 537.167$ (brightness)

$B = 121.700$ (background)

$a = 0.686$ px

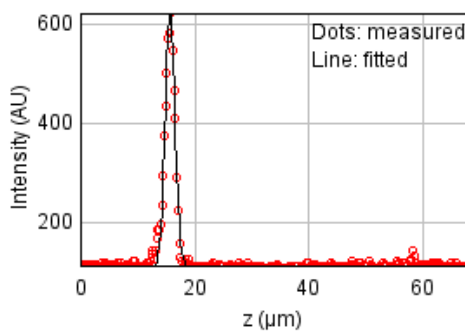
$b = -0.027$ px

$c = 0.623$ px

$x_c = 6.679$ px

$y_c = 6.024$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28881.1150

Standard deviation: 9.69924

$R^2 = 0.98350$

Parameters:

$a = 114.18426$

$b = 624.64336$

$c = 15.75271$

$d = 0.85853$

Bead 761

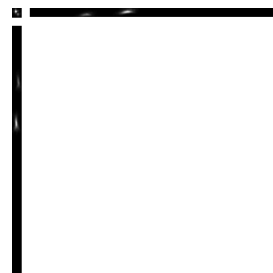
Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

Coordinates : 86.0 μm (x), -31.1 μm (y), 15.2 μm (z)

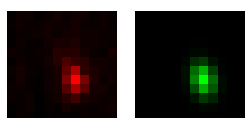
Corresponding bead : Not found



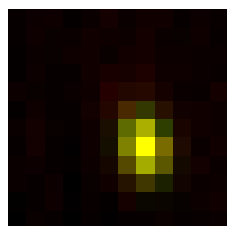
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	607 nm	633 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.675		
Theta	-77.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 376.801$ (brightness)

$B = 121.887$ (background)

$a = 0.777$ px

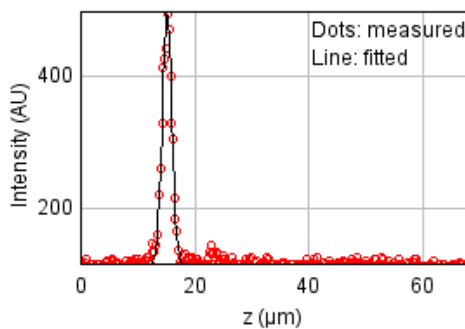
$b = -0.093$ px

$c = 0.385$ px

$x_c = 6.935$ px

$y_c = 6.973$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20039.2256

Standard deviation: 8.07925

$R^2: 0.97957$

Parameters:

$a = 113.72074$

$b = 499.91335$

$c = 15.21448$

$d = 0.83610$

Bead 762 (Rejected)

Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

Coordinates : 62.9 μm (x), 32.0 μm (y), 12.2 μm (z)

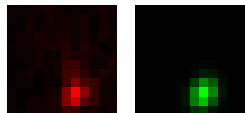
Corresponding bead : Not found

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

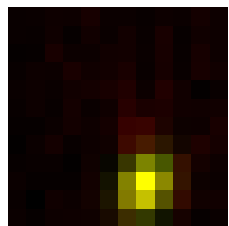
FWHM	Non corrected	Corrected	Theoretical
min	436 nm	454 nm	270 nm
max	567 nm	590 nm	270 nm
z	3.44 μm	3.45 μm	1.3 μm
Asymmetry	0.769		
Theta	65.1°		

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 = 300.154 (brightness)

B = 122.402 (background)

a = 0.655 px

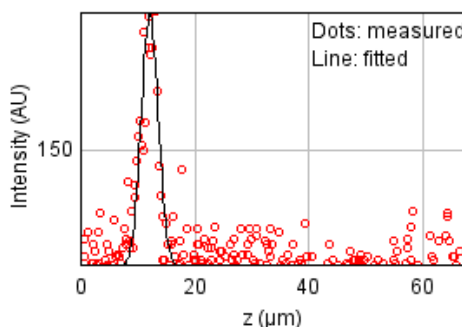
b = 0.110 px

c = 0.469 px

xc = 6.983 px

yc = 9.206 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17493.6690

Standard deviation: 7.54868

R^2 : 0.80321

Parameters:

a = 113.17096

b = 194.25073

c = 12.19938

d = 1.45956

Bead 763

Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

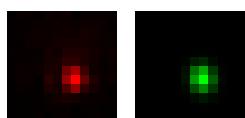
Coordinates : -47.3 μm (x), 21.9 μm (y), 15.8 μm (z)

Corresponding bead : Not found

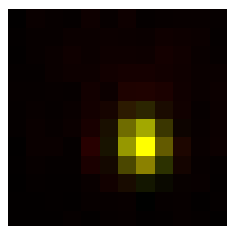
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	497 nm	517 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.831		
Theta	-80.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 650.499 (brightness)

B = 124.858 (background)

a = 0.781 px

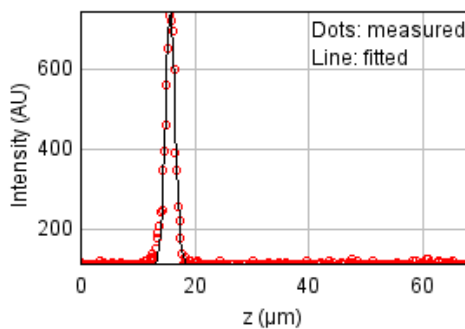
b = -0.040 px

c = 0.551 px

xc = 6.826 px

yc = 6.870 px

Z profile & fitting parameters:



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

Sum of residuals squared: 38316.0914

Standard deviation: 11.17176

R^2 : 0.98541

Parameters:

a = 113.73437

b = 742.36360

c = 15.79399

d = 0.85066

Bead 764 (Rejected)

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

Coordinates : -40.9 μm (x), 13.4 μm (y), 11.9 μm (z)

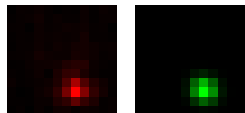
Corresponding bead : Not found

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

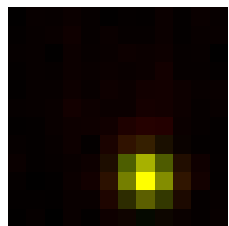
FWHM	Non corrected	Corrected	Theoretical
min	438 nm	456 nm	270 nm
max	464 nm	483 nm	270 nm
z	4.16 μm	4.18 μm	1.3 μm
Asymmetry	0.945		
Theta	-32.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 589.399 (brightness)

B = 125.657 (background)

a = 0.646 px

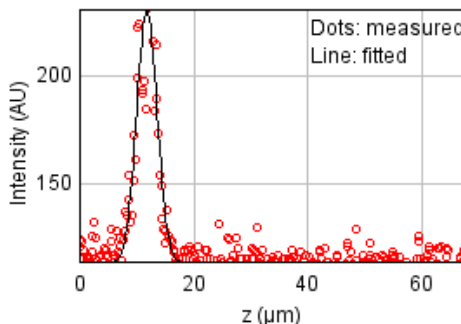
b = -0.034 px

c = 0.677 px

xc = 7.029 px

yc = 8.771 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23058.6207

Standard deviation: 8.66657

R^2 : 0.88634

Parameters:

a = 113.00867

b = 230.93106

c = 11.86838

d = 1.76865

Bead 765

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

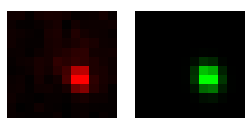
Coordinates : 115 um (x), 12.7 um (y), 15.5 um (z)

Corresponding bead : Not found

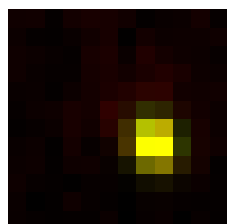
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	487 nm	507 nm	270 nm
z	2.27 um	2.28 um	1.3 um
Asymmetry	0.838		
Theta	-75.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 412.977 (brightness)

B = 121.811 (background)

a = 0.791 px

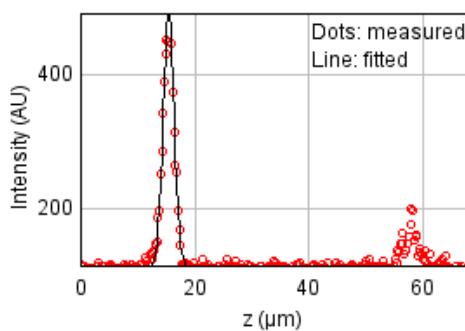
b = -0.059 px

c = 0.581 px

xc = 7.485 px

yc = 6.787 px

Z profile & fitting parameters:



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

Sum of residuals squared: 62245.9469

Standard deviation: 14.23922

R^2 : 0.94460

Parameters:

a = 115.05925

b = 494.13561

c = 15.50216

d = 0.96542

Bead 766 (Rejected)

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

Coordinates : -23.3 μm (x), -2.23 μm (y), 14.5 μm (z)

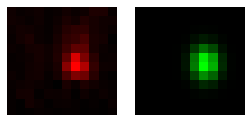
Corresponding bead : Not found

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

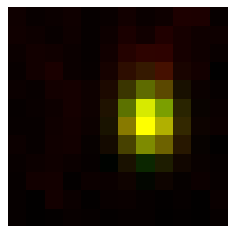
FWHM	Non corrected	Corrected	Theoretical
min	492 nm	513 nm	270 nm
max	622 nm	648 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.791		
Theta	-87.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 295.996 (brightness)

B = 124.039 (background)

a = 0.553 px

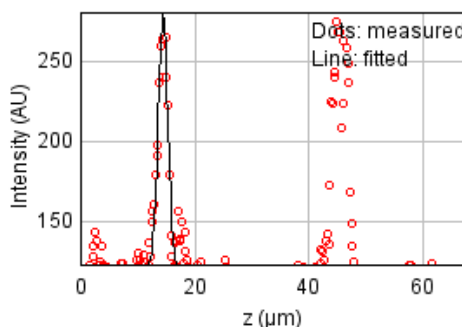
b = -0.011 px

c = 0.347 px

xc = 7.160 px

yc = 5.628 px

Z profile & fitting parameters:



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

Sum of residuals squared: 303369.381

Standard deviation: 31.43523

R^2 : 0.34086

Parameters:

a = 122.88517

b = 280.04069

c = 14.51625

d = 0.82396

Bead 767 (Rejected)

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

Coordinates : -14.6 μm (x), -3.49 μm (y), 12.8 μm (z)

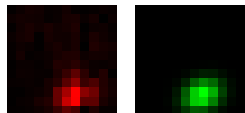
Corresponding bead : Not found

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

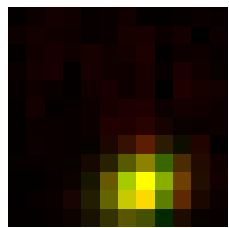
FWHM	Non corrected	Corrected	Theoretical
min	545 nm	567 nm	270 nm
max	707 nm	737 nm	270 nm
z	3.23 μm	3.24 μm	1.3 μm
Asymmetry	0.77		
Theta	26.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.900$



Parameters:

A = 243.015 (brightness)

B = 121.923 (background)

a = 0.304 px

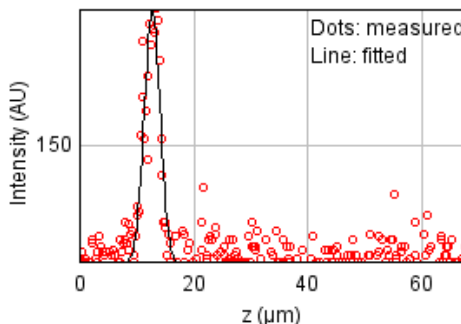
b = 0.073 px

c = 0.416 px

xc = 6.785 px

yc = 9.347 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15359.9161

Standard deviation: 7.07335

R^2 : 0.81641

Parameters:

a = 112.50899

b = 194.11048

c = 12.80009

d = 1.37159

Bead 768 (Rejected)

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

Coordinates : 133 μm (x), -14.4 μm (y), 15.1 μm (z)

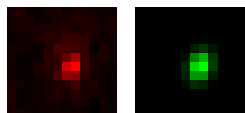
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

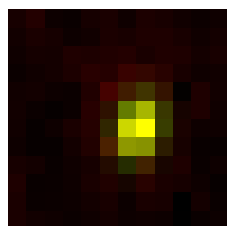
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	421 nm	270 nm
max	568 nm	591 nm	270 nm
z	1.83 μm	1.84 μm	1.3 μm
Asymmetry	0.713		
Theta	73.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.897$



Parameters:

A = 253.554 (brightness)

B = 116.502 (background)

a = 0.789 px

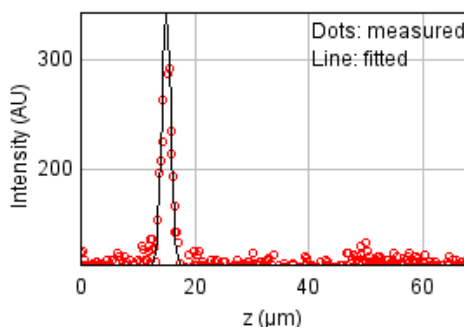
b = 0.108 px

c = 0.447 px

xc = 6.611 px

yc = 5.970 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22085.0353

Standard deviation: 8.48164

R^2 : 0.93611

Parameters:

a = 112.79862

b = 344.60548

c = 15.07184

d = 0.77921

Bead 769

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

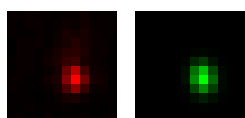
Coordinates : 5.26 μm (x), -21.8 μm (y), 15.5 μm (z)

Corresponding bead : Not found

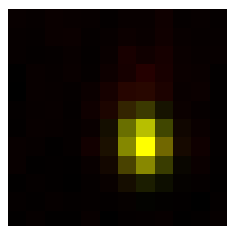
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	543 nm	566 nm	270 nm
z	1.99 μm	1.99 μm	1.3 μm
Asymmetry	0.764		
Theta	-81.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 584.931 (brightness)

B = 124.444 (background)

a = 0.772 px

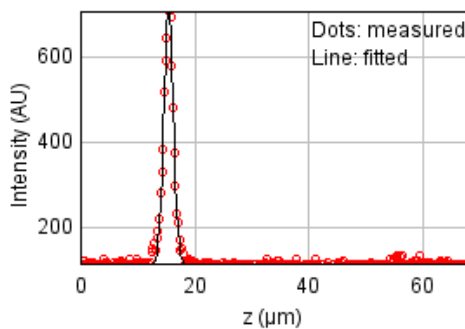
b = -0.047 px

c = 0.462 px

xc = 6.898 px

yc = 6.806 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28577.8017

Standard deviation: 9.64818

R^2 : 0.98768

Parameters:

a = 115.65163

b = 709.70312

c = 15.48599

d = 0.84322

Bead 770

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

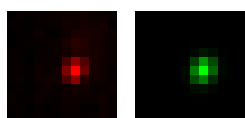
Coordinates : -141 μm (x), -35.3 μm (y), 15.4 μm (z)

Corresponding bead : Not found

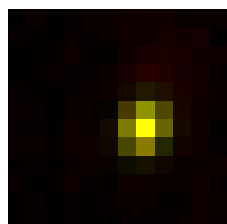
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	474 nm	493 nm	270 nm
z	2.21 μm	2.22 μm	1.3 μm
Asymmetry	0.823		
Theta	67.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 440.420 (brightness)

B = 117.121 (background)

a = 0.842 px

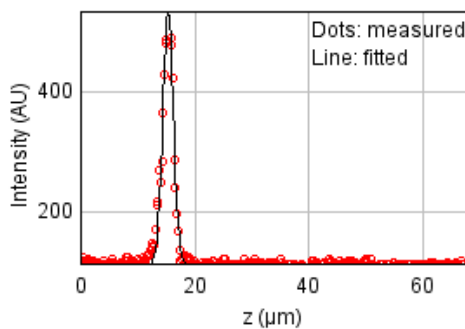
b = 0.101 px

c = 0.639 px

xc = 6.948 px

yc = 5.938 px

Z profile & fitting parameters:



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

Sum of residuals squared: 34836.4278

Standard deviation: 10.65240

R^2 : 0.97388

Parameters:

a = 110.81188

b = 536.07845

c = 15.39873

d = 0.93737

Bead 771

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

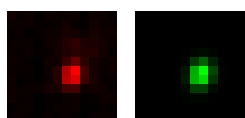
Coordinates : -126 μm (x), -44.0 μm (y), 15.5 μm (z)

Corresponding bead : Not found

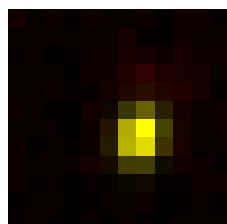
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	499 nm	520 nm	270 nm
z	2.42 μm	2.43 μm	1.3 μm
Asymmetry	0.78		
Theta	73.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 379.327$ (brightness)

$B = 117.943$ (background)

$a = 0.859$ px

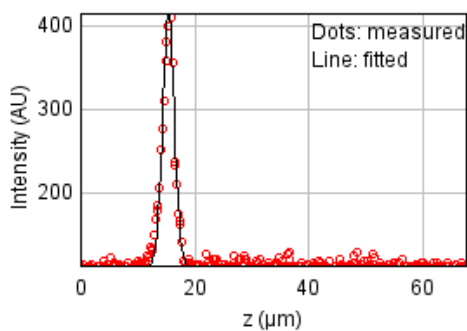
$b = 0.093$ px

$c = 0.566$ px

$x_c = 6.688$ px

$y_c = 6.416$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28205.8949

Standard deviation: 9.58519

$R^2: 0.96256$

Parameters:

$a = 112.13769$

$b = 416.48271$

$c = 15.48181$

$d = 1.02681$

Bead 772 (Rejected)

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

Coordinates : 163 μm (x), -51.5 μm (y), 14.3 μm (z)

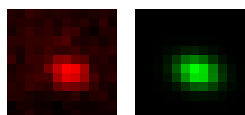
Corresponding bead : Not found

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

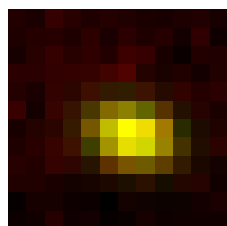
FWHM	Non corrected	Corrected	Theoretical
min	561 nm	584 nm	270 nm
max	794 nm	827 nm	270 nm
z	3.78 μm	3.79 μm	1.3 μm
Asymmetry	0.706		
Theta	-14.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 167.153 (brightness)

B = 121.163 (background)

a = 0.226 px

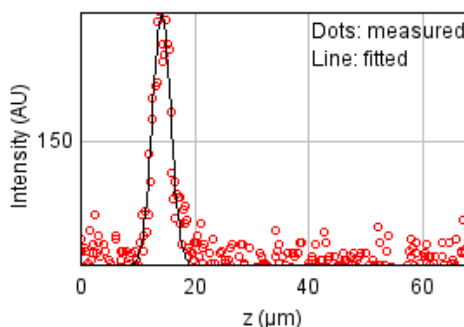
b = -0.052 px

c = 0.413 px

xc = 6.262 px

yc = 6.365 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13626.9894

Standard deviation: 6.66240

R^2 : 0.85960

Parameters:

a = 108.92789

b = 192.87553

c = 14.28709

d = 1.60402

Bead 773

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

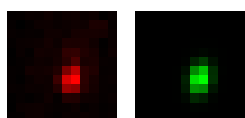
Coordinates : -80.0 μm (x), -63.4 μm (y), 14.6 μm (z)

Corresponding bead : Not found

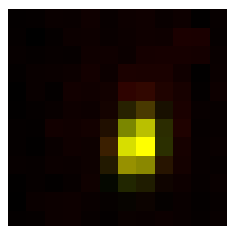
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	394 nm	270 nm
max	553 nm	576 nm	270 nm
z	2.87 μm	2.88 μm	1.3 μm
Asymmetry	0.684		
Theta	77.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 458.656$ (brightness)

$B = 120.324$ (background)

$a = 0.914$ px

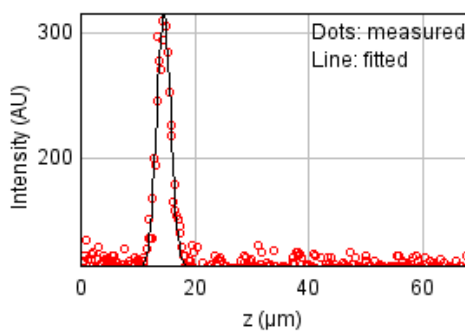
$b = 0.106$ px

$c = 0.462$ px

$x_c = 6.589$ px

$y_c = 6.905$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19247.2175

Standard deviation: 7.91799

$R^2: 0.95098$

Parameters:

$a = 113.67802$

$b = 315.37047$

$c = 14.64104$

$d = 1.21677$

Bead 774

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

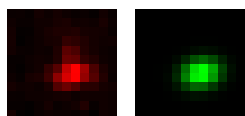
Coordinates : 36.9 μm (x), -92.0 μm (y), 15.5 μm (z)

Corresponding bead : Not found

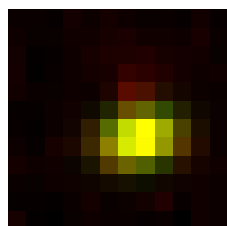
FWHM	Non corrected	Corrected	Theoretical
min	527 nm	548 nm	270 nm
max	704 nm	734 nm	270 nm
z	1.77 μm	1.78 μm	1.3 μm
Asymmetry	0.748		
Theta	12.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 392.913 (brightness)

B = 123.935 (background)

a = 0.280 px

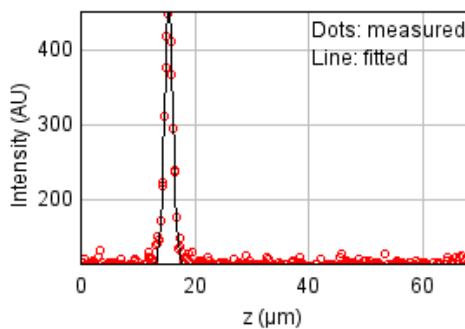
b = 0.045 px

c = 0.474 px

xc = 6.689 px

yc = 6.510 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18015.7454

Standard deviation: 7.66050

R^2 : 0.97431

Parameters:

a = 113.44863

b = 455.79690

c = 15.51274

d = 0.75316

Bead 775

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

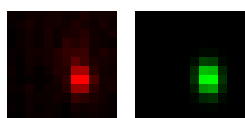
Coordinates : 15.1 μm (x), 85.5 μm (y), 15.5 μm (z)

Corresponding bead : Not found

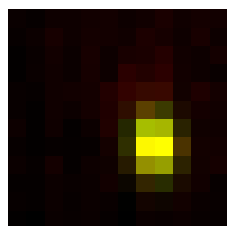
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	579 nm	603 nm	270 nm
z	2.29 μm	2.3 μm	1.3 μm
Asymmetry	0.7		
Theta	-85.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 425.678$ (brightness)

$B = 124.590$ (background)

$a = 0.815$ px

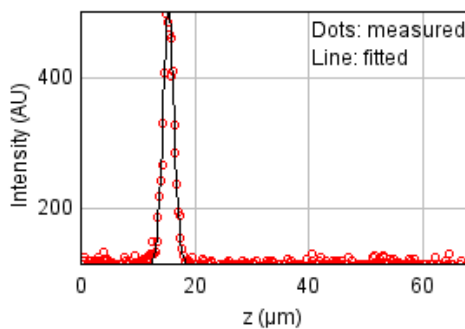
$b = -0.035$ px

$c = 0.404$ px

$x_c = 7.512$ px

$y_c = 6.877$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29187.8643

Standard deviation: 9.75061

$R^2: 0.97453$

Parameters:

$a = 114.65388$

$b = 501.93370$

$c = 15.46586$

$d = 0.97394$

Bead 776

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

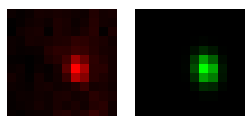
Coordinates : 113 um (x), 82.2 um (y), 15.1 um (z)

Corresponding bead : Not found

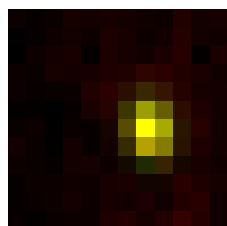
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	547 nm	570 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.744		
Theta	-79.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 275.055 (brightness)

B = 127.593 (background)

a = 0.798 px

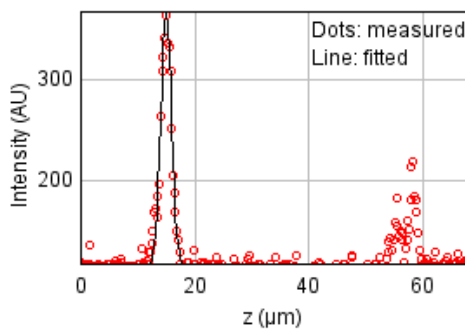
b = -0.063 px

c = 0.460 px

xc = 7.255 px

yc = 6.047 px

Z profile & fitting parameters:



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

Sum of residuals squared: 76800.4468

Standard deviation: 15.81658

R^2 : 0.85604

Parameters:

a = 116.65331

b = 369.96376

c = 15.05618

d = 0.92849

Bead 777 (Rejected)

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : 85.8 μm (x), 61.0 μm (y), 12.4 μm (z)

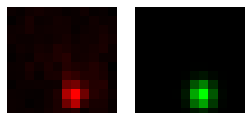
Corresponding bead : Not found

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

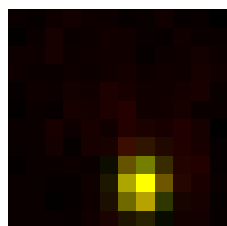
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	483 nm	503 nm	270 nm
z	4.74 μm	4.76 μm	1.3 μm
Asymmetry	0.872		
Theta	-88.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 351.087 (brightness)

B = 122.840 (background)

a = 0.755 px

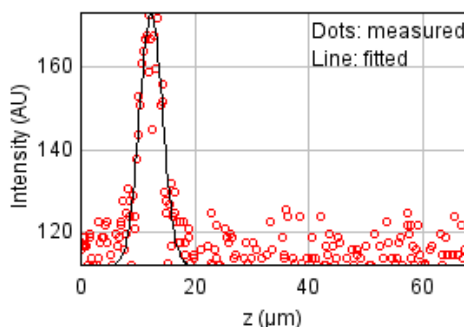
b = -0.004 px

c = 0.574 px

xc = 6.786 px

yc = 9.103 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14142.5401

Standard deviation: 6.78726

R^2 : 0.79229

Parameters:

a = 112.17656

b = 173.14581

c = 12.42725

d = 2.01336

Bead 778

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

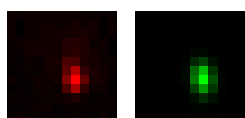
Coordinates : 193 nm (x), 59.5 um (y), 15.4 um (z)

Corresponding bead : Not found

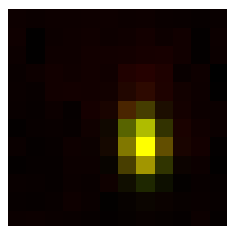
FWHM	Non corrected	Corrected	Theoretical
min	370 nm	385 nm	270 nm
max	572 nm	596 nm	270 nm
z	1.87 um	1.88 um	1.3 um
Asymmetry	0.646		
Theta	-83.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 438.623 (brightness)

B = 122.416 (background)

a = 0.974 px

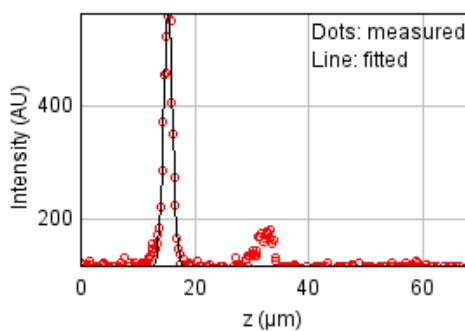
b = -0.063 px

c = 0.417 px

xc = 6.878 px

yc = 6.847 px

Z profile & fitting parameters:



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

Sum of residuals squared: 72879.6611

Standard deviation: 15.40756

R^2 : 0.94349

Parameters:

a = 118.52658

b = 563.84740

c = 15.39562

d = 0.79462

Bead 779

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

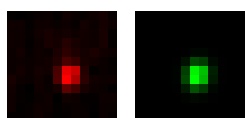
Coordinates : -115 μm (x), 42.7 μm (y), 15.5 μm (z)

Corresponding bead : Not found

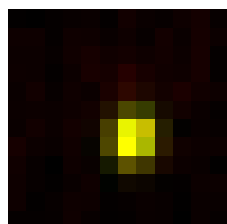
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	478 nm	498 nm	270 nm
z	2.34 μm	2.35 μm	1.3 μm
Asymmetry	0.851		
Theta	79.4°		

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:

$A = 431.145$ (brightness)

$B = 121.105$ (background)

$a = 0.804$ px

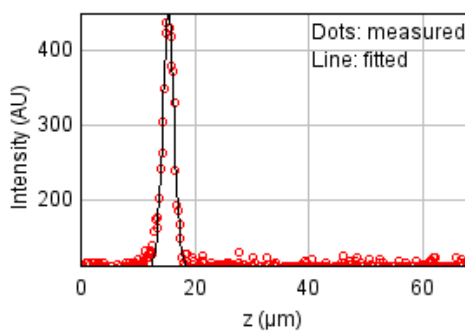
$b = 0.040$ px

$c = 0.596$ px

$x_c = 6.318$ px

$y_c = 6.517$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20538.2730

Standard deviation: 8.17924

$R^2: 0.97640$

Parameters:

$a = 113.24945$

$b = 447.96469$

$c = 15.45952$

$d = 0.99279$

Bead 780

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

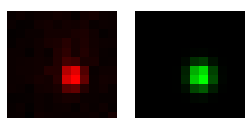
Coordinates : -93.6 μm (x), 16.3 μm (y), 15.7 μm (z)

Corresponding bead : Not found

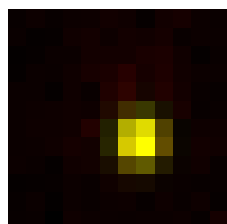
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	473 nm	492 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.914		
Theta	-88.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 492.876$ (brightness)

$B = 122.556$ (background)

$a = 0.718$ px

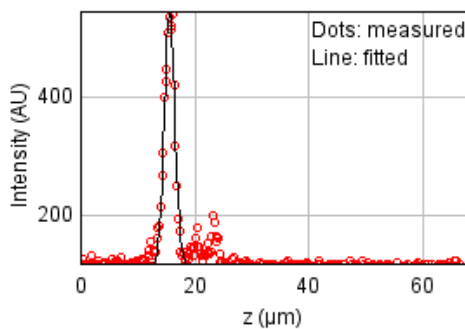
$b = -0.003$ px

$c = 0.600$ px

$x_c = 6.664$ px

$y_c = 6.627$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 69067.8698

Standard deviation: 14.99923

$R^2: 0.94866$

Parameters:

$a = 116.80482$

$b = 543.21818$

$c = 15.66789$

$d = 0.91492$

Bead 781

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

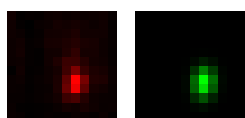
Coordinates : 79.2 um (x), 15.2 um (y), 16.0 um (z)

Corresponding bead : Not found

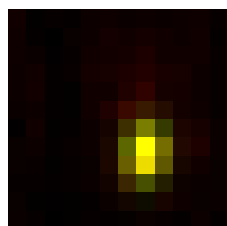
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	561 nm	584 nm	270 nm
z	2.1 um	2.11 um	1.3 um
Asymmetry	0.695		
Theta	85.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 520.057 (brightness)

B = 126.693 (background)

a = 0.879 px

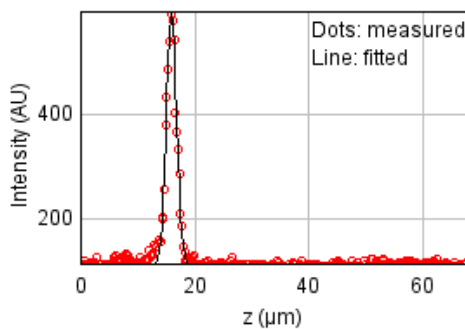
b = 0.036 px

c = 0.429 px

xc = 7.004 px

yc = 7.328 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31124.2281

Standard deviation: 10.06886

R^2 : 0.98086

Parameters:

a = 114.56978

b = 597.33953

c = 16.00199

d = 0.89073

Bead 782

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

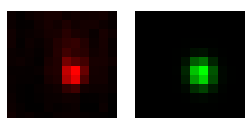
Coordinates : 99.6 μm (x), 13.9 μm (y), 16.4 μm (z)

Corresponding bead : Not found

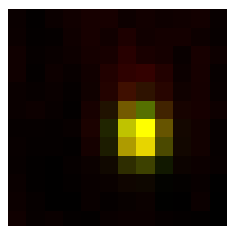
FWHM	Non corrected	Corrected	Theoretical
min	438 nm	456 nm	270 nm
max	517 nm	538 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.847		
Theta	-82.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 433.537$ (brightness)

$B = 119.395$ (background)

$a = 0.696$ px

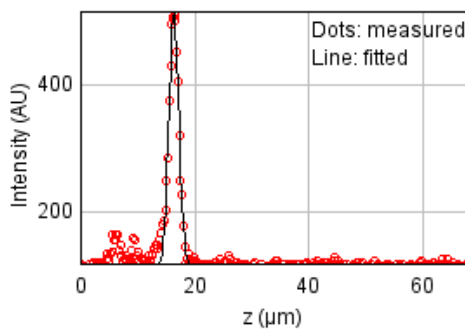
$b = -0.025$ px

$c = 0.506$ px

$x_c = 6.707$ px

$y_c = 6.306$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 45127.8055

Standard deviation: 12.12420

$R^2: 0.95902$

Parameters:

$a = 117.02325$

$b = 517.71068$

$c = 16.41617$

$d = 0.85467$

Bead 783

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

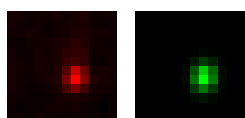
Coordinates : -14.1 μm (x), -19.8 μm (y), 15.3 μm (z)

Corresponding bead : Not found

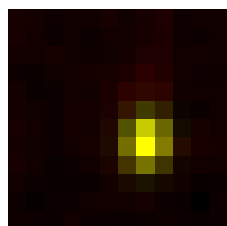
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	513 nm	534 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.801		
Theta	84.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 418.352$ (brightness)

$B = 121.527$ (background)

$a = 0.791$ px

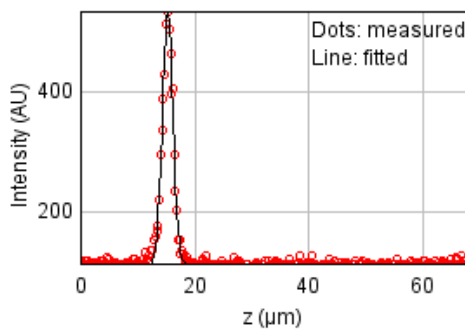
$b = 0.026$ px

$c = 0.512$ px

$x_c = 7.044$ px

$y_c = 6.722$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19668.2444

Standard deviation: 8.00412

$R^2: 0.98448$

Parameters:

$a = 113.50339$

$b = 532.72681$

$c = 15.33014$

$d = 0.92619$

Bead 784 (Rejected)

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : 7.02 μm (x), -71.0 μm (y), 13.2 μm (z)

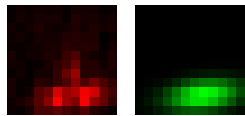
Corresponding bead : Not found

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

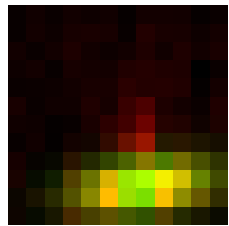
FWHM	Non corrected	Corrected	Theoretical
min	546 nm	568 nm	270 nm
max	1.34 μm	1.39 μm	270 nm
z	2.97 μm	2.98 μm	1.3 μm
Asymmetry	0.407		
Theta	7.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.787$



Parameters:

$A = 173.945$ (brightness)

$B = 121.511$ (background)

$a = 0.081$ px

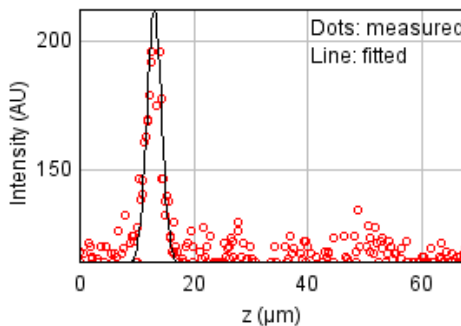
$b = 0.046$ px

$c = 0.445$ px

$xc = 6.913$ px

$yc = 9.368$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 16140.9549

Standard deviation: 7.25096

$R^2: 0.84858$

Parameters:

$a = 114.37363$

$b = 211.99682$

$c = 13.15364$

$d = 1.26128$

Bead 785 (Rejected)

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : 154 μm (x), 84.1 μm (y), 13.9 μm (z)

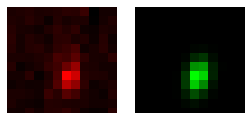
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

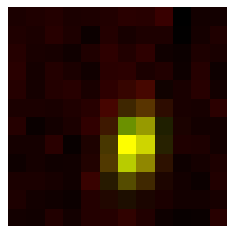
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	611 nm	637 nm	270 nm
z	2.38 μm	2.39 μm	1.3 μm
Asymmetry	0.638		
Theta	76.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.877$



Parameters:

A = 122.565 (brightness)

B = 111.095 (background)

a = 0.854 px

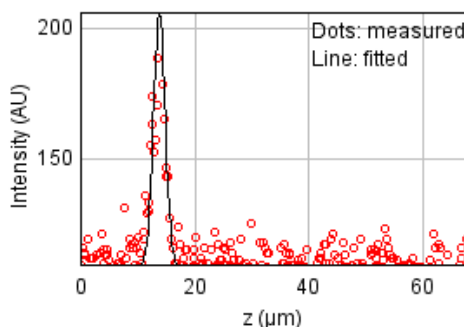
b = 0.118 px

c = 0.387 px

xc = 6.383 px

yc = 7.109 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17898.1729

Standard deviation: 7.63546

R^2 : 0.79769

Parameters:

a = 109.95333

b = 205.62873

c = 13.86736

d = 1.01034

Bead 786

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

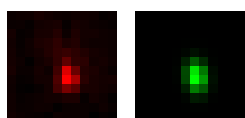
Coordinates : 52.0 μm (x), 18.9 μm (y), 15.7 μm (z)

Corresponding bead : Not found

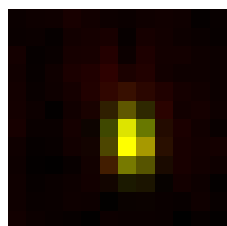
FWHM	Non corrected	Corrected	Theoretical
min	383 nm	399 nm	270 nm
max	569 nm	592 nm	270 nm
z	2.37 μm	2.38 μm	1.3 μm
Asymmetry	0.674		
Theta	-82.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 342.802$ (brightness)

$B = 124.076$ (background)

$a = 0.904$ px

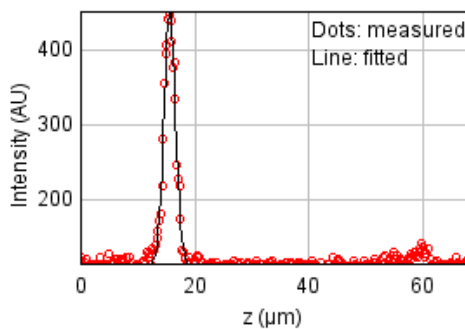
$b = -0.068$ px

$c = 0.424$ px

$x_c = 6.192$ px

$y_c = 6.663$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23123.9830

Standard deviation: 8.67885

$R^2: 0.97466$

Parameters:

$a = 113.39323$

$b = 453.42203$

$c = 15.69039$

$d = 1.00792$

Bead 787

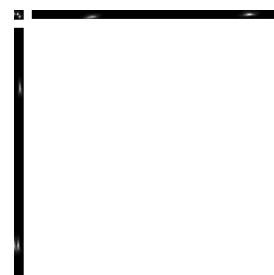
Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : -768 nm (x), 16.3 um (y), 16.3 um (z)

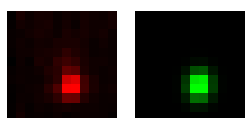
Corresponding bead : Not found



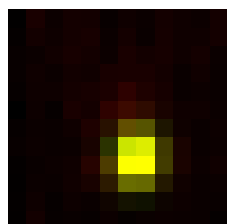
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	530 nm	552 nm	270 nm
z	2.12 um	2.13 um	1.3 um
Asymmetry	0.809		
Theta	86.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 651.312 (brightness)

B = 126.740 (background)

a = 0.728 px

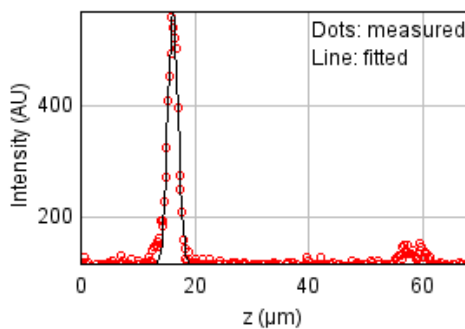
b = 0.017 px

c = 0.479 px

xc = 6.510 px

yc = 7.595 px

Z profile & fitting parameters:



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

Sum of residuals squared: 45884.3456

Standard deviation: 12.22540

R^2 : 0.96831

Parameters:

a = 117.50431

b = 567.51378

c = 16.25781

d = 0.90197

Bead 788 (Rejected)

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : -52.6 μm (x), 12.6 μm (y), 11.5 μm (z)

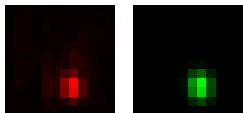
Corresponding bead : Not found

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

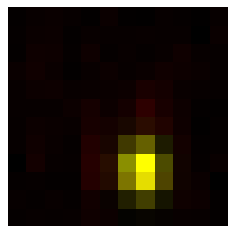
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	490 nm	510 nm	270 nm
z	4.47 μm	4.49 μm	1.3 μm
Asymmetry	0.785		
Theta	-85.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 531.772 (brightness)

B = 126.613 (background)

a = 0.904 px

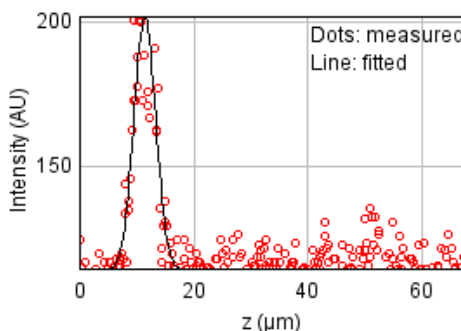
b = -0.027 px

c = 0.561 px

xc = 6.830 px

yc = 8.363 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19609.9365

Standard deviation: 7.99225

R^2 : 0.84272

Parameters:

a = 114.37588

b = 201.70468

c = 11.50222

d = 1.89871

Bead 789 (Rejected)

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : 66.8 μm (x), 5.39 μm (y), 13.3 μm (z)

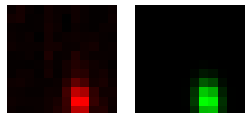
Corresponding bead : Not found

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

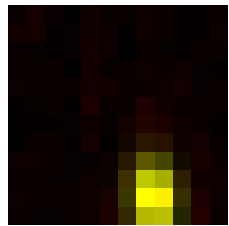
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	692 nm	720 nm	270 nm
z	3.32 μm	3.33 μm	1.3 μm
Asymmetry	0.597		
Theta	-85.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 423.962 (brightness)

B = 121.504 (background)

a = 0.785 px

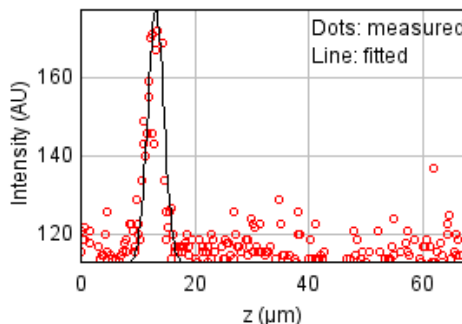
b = -0.042 px

c = 0.284 px

xc = 7.461 px

yc = 10.005 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15409.3279

Standard deviation: 7.08472

R^2 : 0.73775

Parameters:

a = 112.91173

b = 177.09837

c = 13.25966

d = 1.41002

Bead 790 (Rejected)

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : -23.3 μm (x), -2.23 μm (y), 14.5 μm (z)

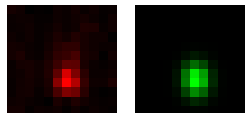
Corresponding bead : Not found

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

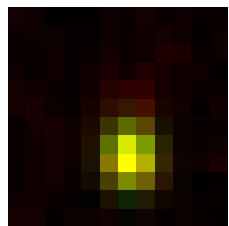
FWHM	Non corrected	Corrected	Theoretical
min	488 nm	509 nm	270 nm
max	616 nm	641 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.793		
Theta	-87.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 296.345 (brightness)

B = 125.192 (background)

a = 0.562 px

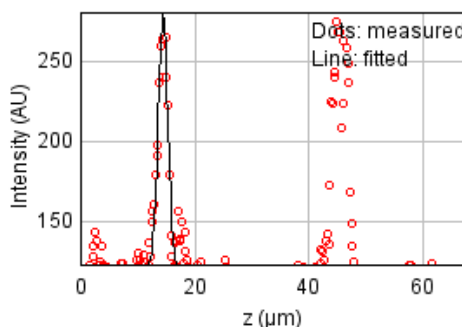
b = -0.011 px

c = 0.354 px

xc = 6.160 px

yc = 7.632 px

Z profile & fitting parameters:



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

Sum of residuals squared: 303369.381

Standard deviation: 31.43523

R^2 : 0.34086

Parameters:

a = 122.88517

b = 280.04069

c = 14.51625

d = 0.82396

Bead 791

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

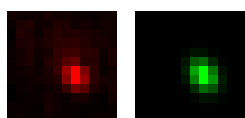
Coordinates : 125 μm (x), -5.94 μm (y), 15.5 μm (z)

Corresponding bead : Not found

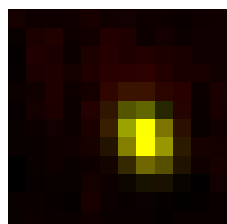
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	463 nm	270 nm
max	592 nm	616 nm	270 nm
z	2.61 μm	2.62 μm	1.3 μm
Asymmetry	0.751		
Theta	-60.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 272.519$ (brightness)

$B = 117.716$ (background)

$a = 0.608$ px

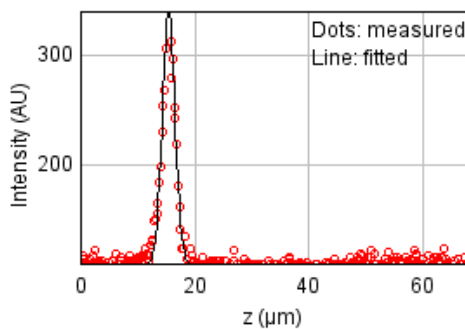
$b = -0.127$ px

$c = 0.455$ px

$x_c = 6.964$ px

$y_c = 6.492$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17501.2184

Standard deviation: 7.55031

$R^2: 0.96235$

Parameters:

$a = 110.25360$

$b = 341.02940$

$c = 15.50258$

$d = 1.10667$

Bead 792 (Rejected)

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : -21.9 μm (x), -15.5 μm (y), 13.9 μm (z)

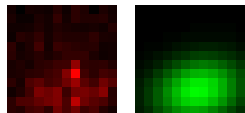
Corresponding bead : Not found

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

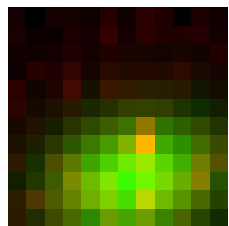
FWHM	Non corrected	Corrected	Theoretical
min	1.17 μm	1.22 μm	270 nm
max	1.63 μm	1.7 μm	270 nm
z	932 nm	936 nm	1.3 μm
Asymmetry	0.719		
Theta	13.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.639$



Parameters:

A = 58.274 (brightness)

B = 115.993 (background)

a = 0.053 px

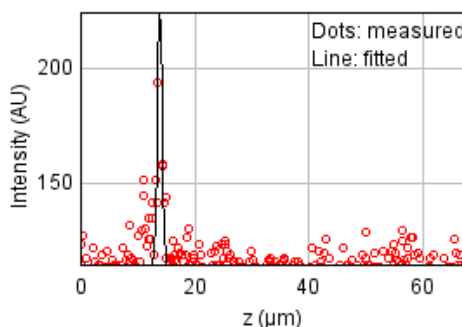
b = 0.011 px

c = 0.095 px

xc = 6.398 px

yc = 8.844 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17803.5794

Standard deviation: 7.61526

R^2 : 0.68547

Parameters:

a = 114.40041

b = 225.86769

c = 13.93243

d = 0.39580

Bead 793 (Rejected)

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : -70.1 μm (x), -33.9 μm (y), 14.3 μm (z)

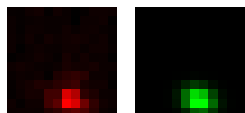
Corresponding bead : Not found

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

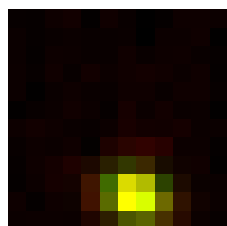
FWHM	Non corrected	Corrected	Theoretical
min	455 nm	473 nm	270 nm
max	572 nm	596 nm	270 nm
z	3.84 μm	3.86 μm	1.3 μm
Asymmetry	0.795		
Theta	-20.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 397.638 (brightness)

B = 123.850 (background)

a = 0.438 px

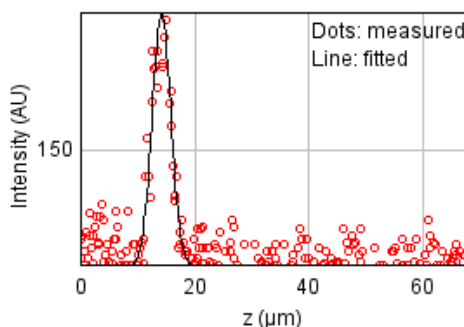
b = -0.077 px

c = 0.622 px

xc = 6.437 px

yc = 9.674 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16439.7750

Standard deviation: 7.31777

R^2 : 0.82539

Parameters:

a = 113.34597

b = 193.74903

c = 14.27153

d = 1.63132

Bead 794

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

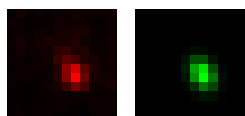
Coordinates : 113 μm (x), -36.3 μm (y), 16.0 μm (z)

Corresponding bead : Not found

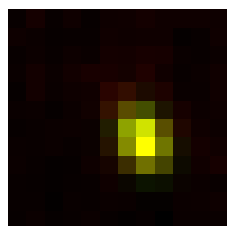
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	436 nm	270 nm
max	576 nm	599 nm	270 nm
z	2.24 μm	2.25 μm	1.3 μm
Asymmetry	0.727		
Theta	-64.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 434.261 (brightness)

B = 119.726 (background)

a = 0.697 px

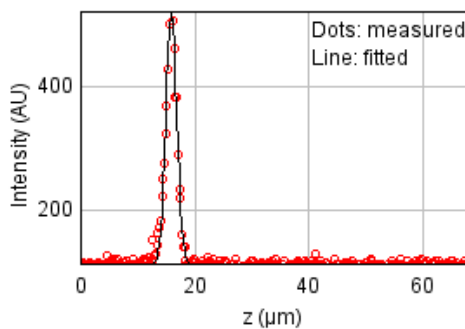
b = -0.142 px

c = 0.474 px

xc = 6.854 px

yc = 6.582 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20517.8842

Standard deviation: 8.17518

R^2 : 0.98363

Parameters:

a = 112.33225

b = 523.63825

c = 15.97606

d = 0.95206

Bead 795

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

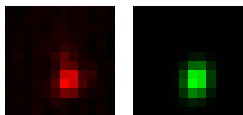
Coordinates : 46.7 μm (x), -66.0 μm (y), 15.8 μm (z)

Corresponding bead : Not found

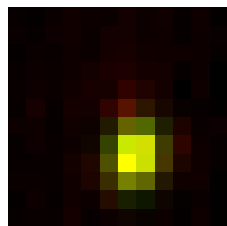
FWHM	Non corrected	Corrected	Theoretical
min	455 nm	473 nm	270 nm
max	595 nm	620 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.764		
Theta	79.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 405.444$ (brightness)

$B = 119.286$ (background)

$a = 0.641$ px

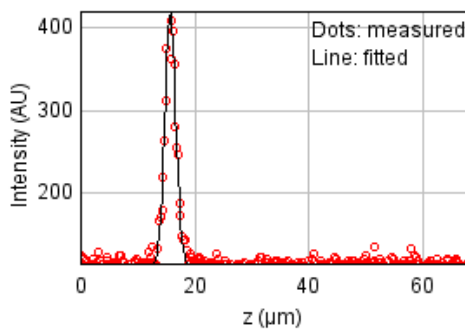
$b = 0.048$ px

$c = 0.388$ px

$x_c = 6.427$ px

$y_c = 7.567$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19482.6981

Standard deviation: 7.96628

$R^2: 0.97233$

Parameters:

$a = 112.81161$

$b = 419.93685$

$c = 15.80387$

$d = 0.94791$

Bead 796

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

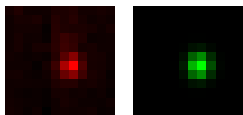
Coordinates : 161 μm (x), 92.9 μm (y), 16.0 μm (z)

Corresponding bead : Not found

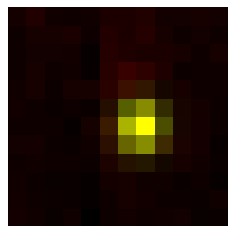
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	473 nm	492 nm	270 nm
z	2.46 μm	2.47 μm	1.3 μm
Asymmetry	0.881		
Theta	87.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 290.409 (brightness)

B = 116.830 (background)

a = 0.773 px

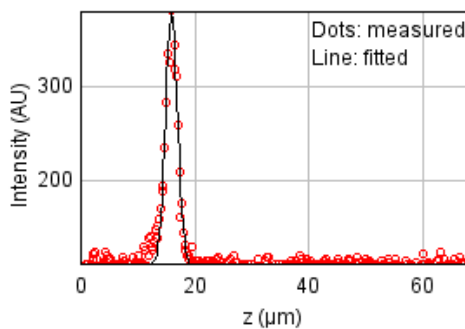
b = 0.007 px

c = 0.601 px

xc = 6.727 px

yc = 6.009 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19192.2765

Standard deviation: 7.90668

R^2 : 0.96813

Parameters:

a = 109.91082

b = 380.72186

c = 16.00584

d = 1.04372

Bead 797

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

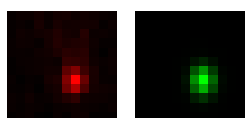
Coordinates : 89.7 μm (x), 79.3 μm (y), 15.9 μm (z)

Corresponding bead : Not found

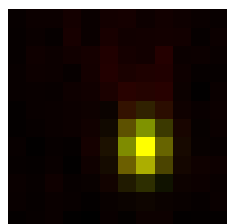
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	535 nm	557 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.779		
Theta	-89.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 383.549 (brightness)

B = 120.433 (background)

a = 0.773 px

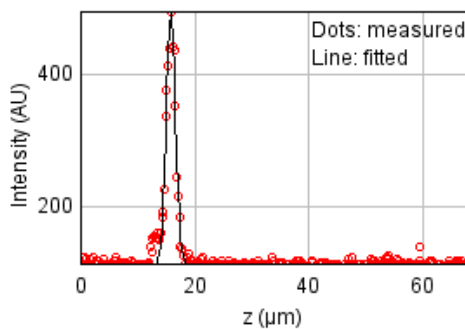
b = -0.002 px

c = 0.469 px

xc = 6.889 px

yc = 7.091 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28718.5694

Standard deviation: 9.67191

R^2 : 0.96915

Parameters:

a = 114.45334

b = 493.44501

c = 15.89478

d = 0.81433

Bead 798 (Rejected)

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : -145 μm (x), 55.8 μm (y), 15.4 μm (z)

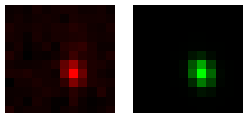
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

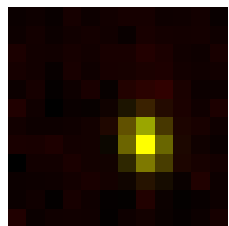
FWHM	Non corrected	Corrected	Theoretical
min	376 nm	391 nm	270 nm
max	492 nm	512 nm	270 nm
z	2.13 μm	2.13 μm	1.3 μm
Asymmetry	0.764		
Theta	-74.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 215.462 (brightness)

B = 115.492 (background)

a = 0.921 px

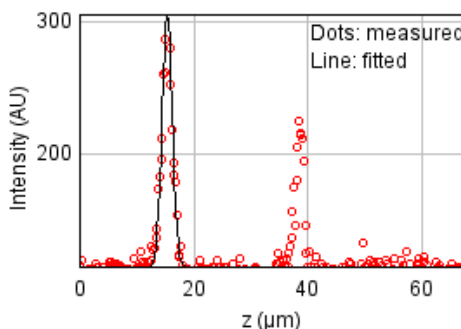
b = -0.105 px

c = 0.585 px

xc = 6.990 px

yc = 6.867 px

Z profile & fitting parameters:



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

Sum of residuals squared: 87636.2648

Standard deviation: 16.89557

R^2 : 0.74268

Parameters:

a = 114.34391

b = 305.39902

c = 15.42153

d = 0.90272

Bead 799 (Rejected)

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : 66.8 μm (x), 42.7 μm (y), 13.4 μm (z)

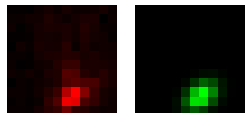
Corresponding bead : Not found

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

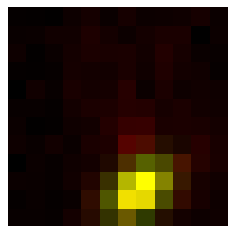
FWHM	Non corrected	Corrected	Theoretical
min	430 nm	448 nm	270 nm
max	627 nm	653 nm	270 nm
z	4.22 μm	4.24 μm	1.3 μm
Asymmetry	0.687		
Theta	39.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.899$



Parameters:

A = 270.808 (brightness)

B = 122.672 (background)

a = 0.500 px

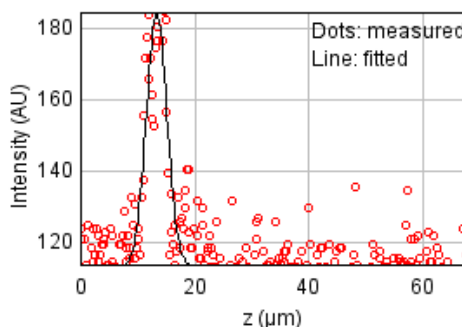
b = 0.189 px

c = 0.567 px

xc = 6.660 px

yc = 9.466 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22468.5220

Standard deviation: 8.55496

R^2 : 0.74486

Parameters:

a = 113.66076

b = 184.47268

c = 13.40886

d = 1.79160

Bead 800 (Rejected)

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : 54.9 μm (x), 14.1 μm (y), 13.2 μm (z)

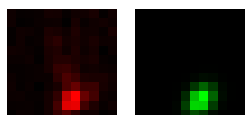
Corresponding bead : Not found

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

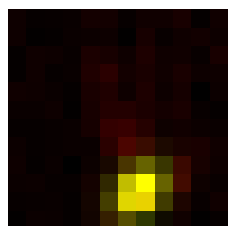
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	437 nm	270 nm
max	556 nm	579 nm	270 nm
z	4.02 μm	4.04 μm	1.3 μm
Asymmetry	0.755		
Theta	49.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 410.699 (brightness)

B = 126.050 (background)

a = 0.625 px

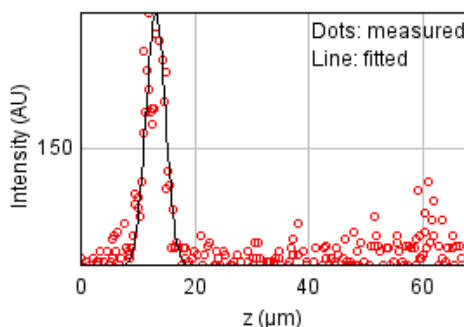
b = 0.161 px

c = 0.571 px

xc = 6.632 px

yc = 9.431 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21321.9624

Standard deviation: 8.33383

R^2 : 0.78616

Parameters:

a = 113.48454

b = 192.55188

c = 13.24116

d = 1.70918