

Bead 801 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : 35.8 μm (x), -6.25 μm (y), 11.1 μm (z)

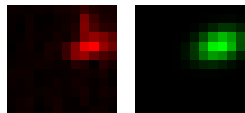
Corresponding bead : Not found

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

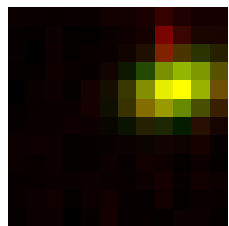
FWHM	Non corrected	Corrected	Theoretical
min	519 nm	541 nm	270 nm
max	839 nm	874 nm	270 nm
z	3.85 μm	3.86 μm	1.3 μm
Asymmetry	0.619		
Theta	17.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.865$



Parameters:

A = 252.140 (brightness)

B = 117.564 (background)

a = 0.217 px

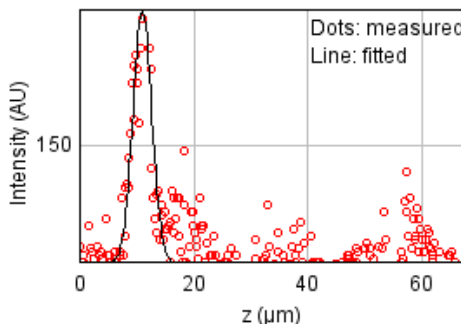
b = 0.087 px

c = 0.471 px

xc = 8.705 px

yc = 3.897 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20807.5398

Standard deviation: 8.23268

R^2 : 0.76194

Parameters:

a = 115.88913

b = 190.28846

c = 11.08007

d = 1.63285

Bead 802

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

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

Frame size : 12 pixels

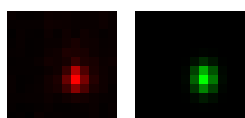
Coordinates : -22.2 μm (x), -30.9 μm (y), 16.2 μm (z)

Corresponding bead : Not found

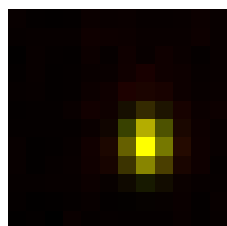
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	410 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.06 μm	2.06 μm	1.3 μm
Asymmetry	0.774		
Theta	89.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 736.293 (brightness)

B = 126.412 (background)

a = 0.867 px

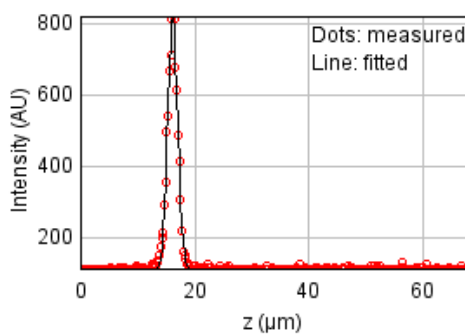
b = 0.005 px

c = 0.519 px

xc = 7.064 px

yc = 6.874 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22787.5201

Standard deviation: 8.61548

R^2 : 0.99328

Parameters:

a = 113.96905

b = 822.19697

c = 16.20785

d = 0.87312

Bead 803

Date : Mon Oct 17 13:51:31 PDT 2022

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

Frame size : 12 pixels

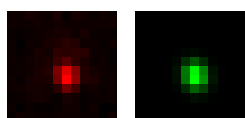
Coordinates : -117 μm (x), -34.3 μm (y), 15.7 μm (z)

Corresponding bead : Not found

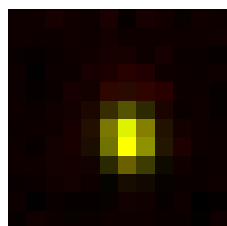
FWHM	Non corrected	Corrected	Theoretical
min	441 nm	459 nm	270 nm
max	518 nm	539 nm	270 nm
z	2.42 μm	2.43 μm	1.3 μm
Asymmetry	0.851		
Theta	-75.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 315.886$ (brightness)

$B = 117.906$ (background)

$a = 0.679$ px

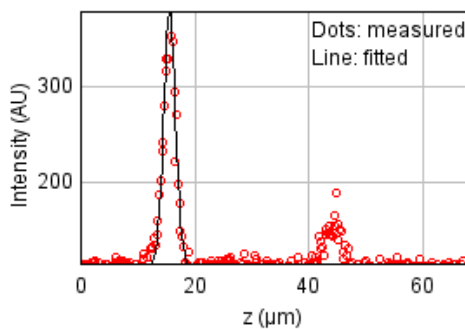
$b = -0.046$ px

$c = 0.513$ px

$x_c = 6.059$ px

$y_c = 6.556$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 50516.2212

Standard deviation: 12.82762

$R^2: 0.91458$

Parameters:

$a = 115.16412$

$b = 377.69115$

$c = 15.66468$

$d = 1.02951$

Bead 804

Date : Mon Oct 17 13:51:31 PDT 2022

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

Frame size : 12 pixels

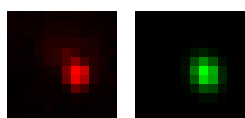
Coordinates : 137 μm (x), -54.5 μm (y), 16.8 μm (z)

Corresponding bead : Not found

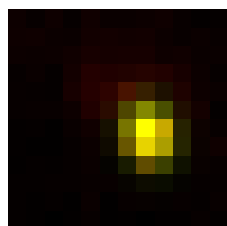
FWHM	Non corrected	Corrected	Theoretical
min	467 nm	487 nm	270 nm
max	584 nm	608 nm	270 nm
z	2.35 μm	2.36 μm	1.3 μm
Asymmetry	0.801		
Theta	-73.0°		

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 = 695.739 (brightness)

B = 128.636 (background)

a = 0.596 px

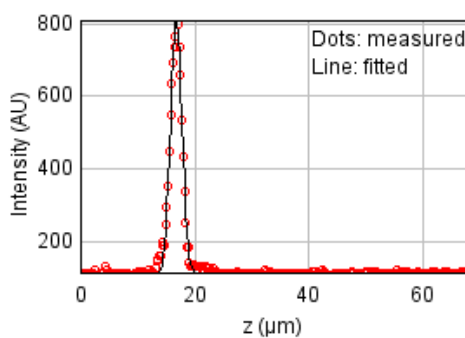
b = -0.062 px

c = 0.413 px

xc = 7.183 px

yc = 6.295 px

Z profile & fitting parameters:



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

Sum of residuals squared: 35169.8153

Standard deviation: 10.70325

R^2 : 0.99066

Parameters:

a = 111.47032

b = 811.43241

c = 16.82350

d = 0.99673

Bead 805 (Rejected)

Date : Mon Oct 17 13:51:31 PDT 2022

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

Frame size : 12 pixels

Coordinates : 3.81 μm (x), -62.4 μm (y), 13.6 μm (z)

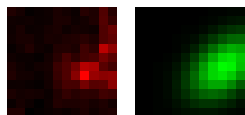
Corresponding bead : Not found

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

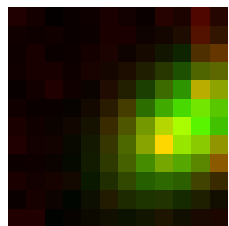
FWHM	Non corrected	Corrected	Theoretical
min	938 nm	977 nm	270 nm
max	1.46 μm	1.52 μm	270 nm
z	1.82 μm	1.83 μm	1.3 μm
Asymmetry	0.641		
Theta	38.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.700$



Parameters:

A = 85.649 (brightness)

B = 112.038 (background)

a = 0.097 px

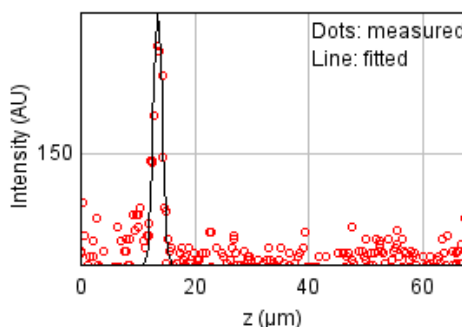
b = 0.044 px

c = 0.118 px

xc = 9.327 px

yc = 5.986 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13254.2035

Standard deviation: 6.57064

R^2 : 0.76083

Parameters:

a = 112.87767

b = 196.78475

c = 13.58730

d = 0.77475

Bead 806

Date : Mon Oct 17 13:51:31 PDT 2022

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

Frame size : 12 pixels

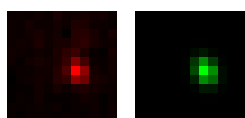
Coordinates : -63.8 μm (x), 83.7 μm (y), 16.0 μm (z)

Corresponding bead : Not found

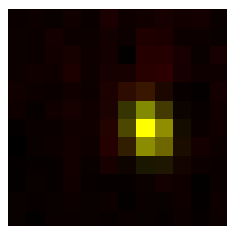
FWHM	Non corrected	Corrected	Theoretical
min	371 nm	386 nm	270 nm
max	492 nm	513 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.753		
Theta	-69.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 367.650 (brightness)

B = 120.802 (background)

a = 0.923 px

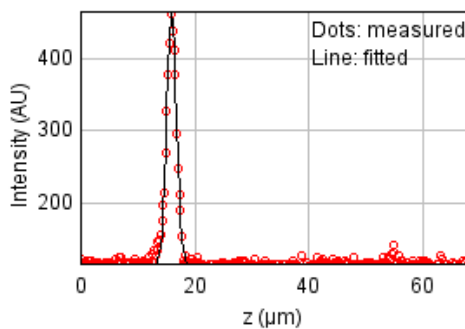
b = -0.140 px

c = 0.607 px

xc = 7.189 px

yc = 6.050 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15344.0415

Standard deviation: 7.06970

R^2 : 0.98160

Parameters:

a = 114.18210

b = 466.81019

c = 16.01678

d = 0.85518

Bead 807 (Rejected)

Date : Mon Oct 17 13:51:31 PDT 2022

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

Frame size : 12 pixels

Coordinates : 114 µm (x), 80.3 µm (y), 15.9 µm (z)

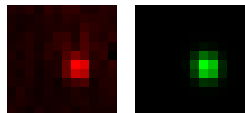
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

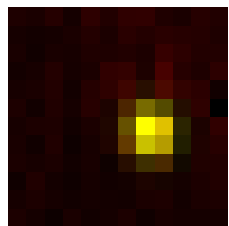
FWHM	Non corrected	Corrected	Theoretical
min	431 nm	449 nm	270 nm
max	486 nm	507 nm	270 nm
z	1.95 µm	1.96 µm	1.3 µm
Asymmetry	0.886		
Theta	-76.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 279.960 (brightness)

B = 118.342 (background)

a = 0.714 px

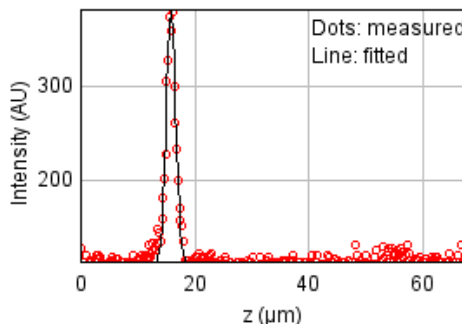
b = -0.035 px

c = 0.575 px

xc = 7.316 px

yc = 6.277 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20103.2081

Standard deviation: 8.09214

R^2 : 0.95856

Parameters:

a = 113.37147

b = 383.03417

c = 15.91643

d = 0.82982

Bead 808

Date : Mon Oct 17 13:51:31 PDT 2022

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

Frame size : 12 pixels

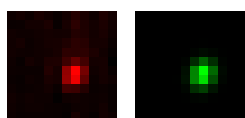
Coordinates : 134 μm (x), 72.0 μm (y), 16.2 μm (z)

Corresponding bead : Not found

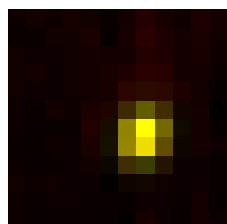
FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	496 nm	517 nm	270 nm
z	2.39 μm	2.4 μm	1.3 μm
Asymmetry	0.824		
Theta	71.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 390.396 (brightness)

B = 119.993 (background)

a = 0.777 px

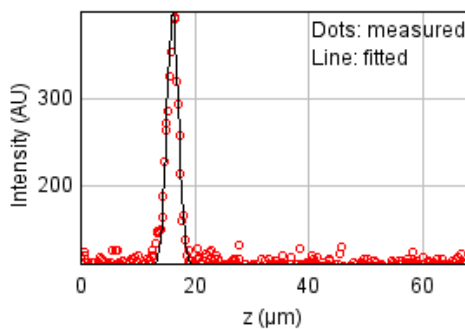
b = 0.076 px

c = 0.570 px

xc = 6.882 px

yc = 6.392 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24625.8022

Standard deviation: 8.95625

R^2 : 0.96268

Parameters:

a = 111.69557

b = 398.29849

c = 16.21026

d = 1.01356

Bead 809

Date : Mon Oct 17 13:51:31 PDT 2022

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

Frame size : 12 pixels

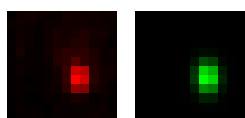
Coordinates : 7.13 μm (x), 54.7 μm (y), 16.5 μm (z)

Corresponding bead : Not found

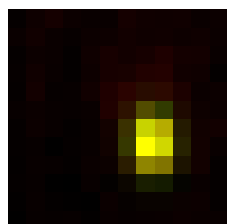
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	565 nm	589 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.707		
Theta	-87.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 542.400$ (brightness)

$B = 125.196$ (background)

$a = 0.841$ px

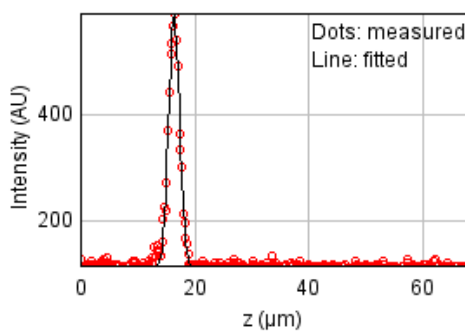
$b = -0.019$ px

$c = 0.421$ px

$x_c = 7.393$ px

$y_c = 6.741$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23849.6635

Standard deviation: 8.81398

$R^2: 0.98559$

Parameters:

$a = 114.54920$

$b = 589.24409$

$c = 16.45806$

$d = 0.94532$

Bead 810

Date : Mon Oct 17 13:51:31 PDT 2022

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

Frame size : 12 pixels

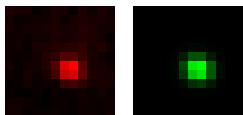
Coordinates : 133 μm (x), 54.1 μm (y), 15.6 μm (z)

Corresponding bead : Not found

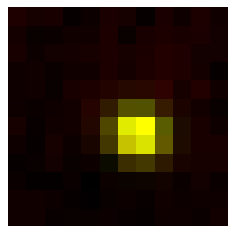
FWHM	Non corrected	Corrected	Theoretical
min	455 nm	474 nm	270 nm
max	500 nm	521 nm	270 nm
z	2.5 μm	2.51 μm	1.3 μm
Asymmetry	0.91		
Theta	-22.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 303.587$ (brightness)

$B = 118.930$ (background)

$a = 0.553$ px

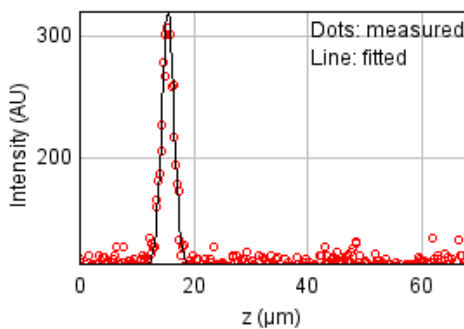
$b = -0.039$ px

$c = 0.632$ px

$x_c = 6.601$ px

$y_c = 6.385$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 15432.1040

Standard deviation: 7.08995

$R^2: 0.95821$

Parameters:

$a = 111.52245$

$b = 320.93917$

$c = 15.55704$

$d = 1.06037$

Bead 811 (Rejected)

Date : Mon Oct 17 13:51:31 PDT 2022

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

Frame size : 12 pixels

Coordinates : 151 um (x), 5.84 um (y), 16.2 um (z)

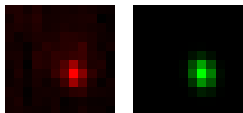
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

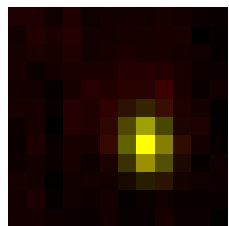
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	519 nm	540 nm	270 nm
z	2.28 um	2.29 um	1.3 um
Asymmetry	0.767		
Theta	-79.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 220.800 (brightness)

B = 117.591 (background)

a = 0.836 px

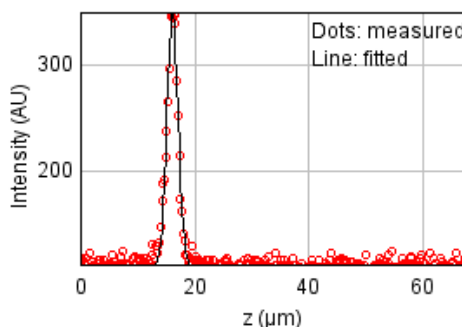
b = -0.066 px

c = 0.512 px

xc = 7.073 px

yc = 6.954 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15542.9288

Standard deviation: 7.11537

R^2 : 0.96446

Parameters:

a = 110.93493

b = 349.67873

c = 16.17948

d = 0.96759

Bead 812

Date : Mon Oct 17 13:51:31 PDT 2022

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

Frame size : 12 pixels

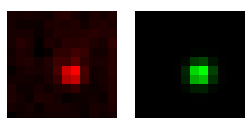
Coordinates : -133 μm (x), -7.22 μm (y), 15.4 μm (z)

Corresponding bead : Not found

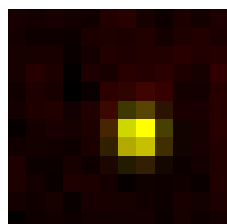
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	418 nm	435 nm	270 nm
z	2.46 μm	2.47 μm	1.3 μm
Asymmetry	0.969		
Theta	36.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.910$



Parameters:

$A = 221.793$ (brightness)

$B = 115.026$ (background)

$a = 0.785$ px

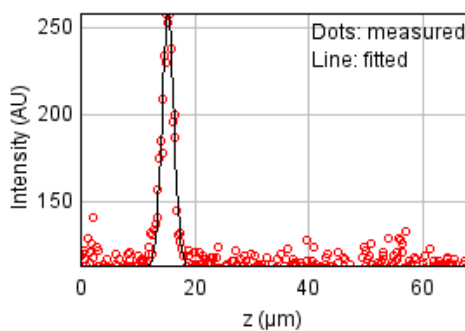
$b = 0.024$ px

$c = 0.800$ px

$x_c = 6.601$ px

$y_c = 6.336$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 15418.2032

Standard deviation: 7.08676

$R^2: 0.91606$

Parameters:

$a = 112.85153$

$b = 258.22256$

$c = 15.38023$

$d = 1.04553$

Bead 813

Date : Mon Oct 17 13:51:32 PDT 2022

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

Frame size : 12 pixels

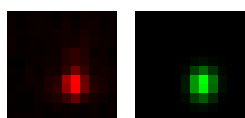
Coordinates : -35.0 μm (x), -33.4 μm (y), 16.8 μm (z)

Corresponding bead : Not found

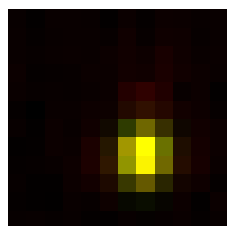
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	465 nm	270 nm
max	530 nm	552 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.844		
Theta	85.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 704.292 (brightness)

B = 125.870 (background)

a = 0.671 px

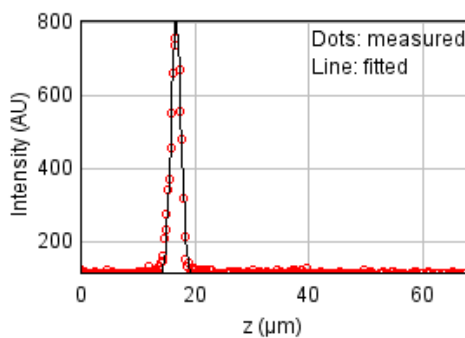
b = 0.015 px

c = 0.480 px

xc = 6.880 px

yc = 7.453 px

Z profile & fitting parameters:



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

Sum of residuals squared: 49571.9692

Standard deviation: 12.70717

R^2 : 0.98460

Parameters:

a = 114.33869

b = 808.48573

c = 16.79943

d = 0.85444

Bead 814 (Rejected)

Date : Mon Oct 17 13:51:32 PDT 2022

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

Frame size : 12 pixels

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

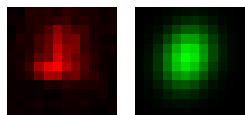
Corresponding bead : Not found

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

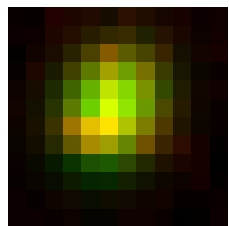
FWHM	Non corrected	Corrected	Theoretical
min	899 nm	936 nm	270 nm
max	1.11 μm	1.16 μm	270 nm
z	1.3 μm	1.31 μm	1.3 μm
Asymmetry	0.809		
Theta	68.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 210.718 (brightness)

B = 115.866 (background)

a = 0.158 px

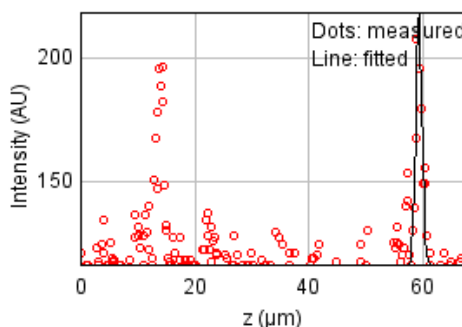
b = 0.020 px

c = 0.117 px

xc = 5.185 px

yc = 4.955 px

Z profile & fitting parameters:



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

Sum of residuals squared: 55580.2675

Standard deviation: 13.45523

R^2 : 0.44951

Parameters:

a = 116.49294

b = 218.93721

c = 59.34603

d = 0.55274

Bead 815

Date : Mon Oct 17 13:51:32 PDT 2022

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

Frame size : 12 pixels

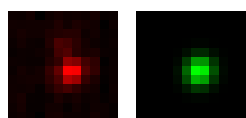
Coordinates : 53.6 μm (x), -83.5 μm (y), 16.2 μm (z)

Corresponding bead : Not found

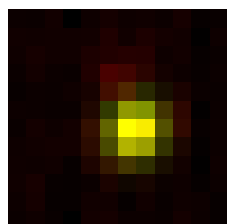
FWHM	Non corrected	Corrected	Theoretical
min	514 nm	536 nm	270 nm
max	562 nm	585 nm	270 nm
z	2.24 μm	2.25 μm	1.3 μm
Asymmetry	0.915		
Theta	74.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 304.956 (brightness)

B = 118.566 (background)

a = 0.502 px

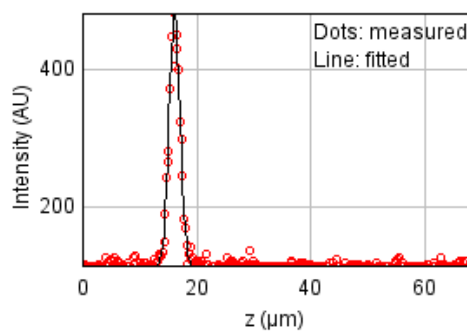
b = 0.021 px

c = 0.431 px

xc = 6.417 px

yc = 6.071 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28588.1753

Standard deviation: 9.64993

R^2 : 0.97237

Parameters:

a = 112.74809

b = 484.38536

c = 16.18706

d = 0.95164

Bead 816

Date : Mon Oct 17 13:51:32 PDT 2022

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

Frame size : 12 pixels

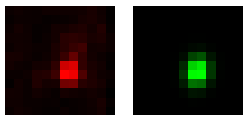
Coordinates : -118 μm (x), -92.0 μm (y), 16.1 μm (z)

Corresponding bead : Not found

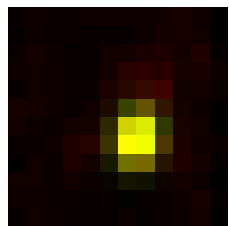
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	531 nm	554 nm	270 nm
z	2.43 μm	2.44 μm	1.3 μm
Asymmetry	0.774		
Theta	81.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 428.882$ (brightness)

$B = 121.012$ (background)

$a = 0.785$ px

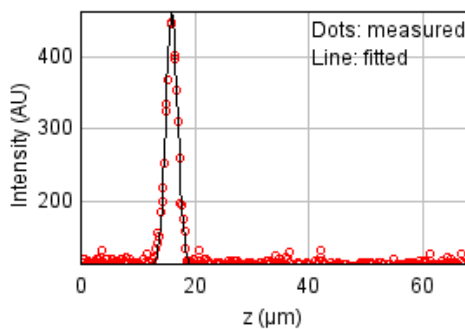
$b = 0.049$ px

$c = 0.483$ px

$x_c = 6.536$ px

$y_c = 6.628$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21640.9431

Standard deviation: 8.39593

$R^2: 0.97798$

Parameters:

$a = 112.44079$

$b = 462.25198$

$c = 16.05039$

$d = 1.03025$

Bead 817

Date : Mon Oct 17 13:51:32 PDT 2022

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

Frame size : 12 pixels

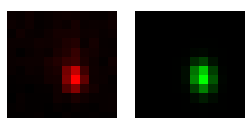
Coordinates : -46.7 μm (x), 78.9 μm (y), 16.6 μm (z)

Corresponding bead : Not found

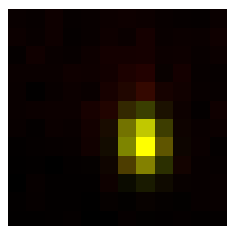
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	406 nm	270 nm
max	541 nm	564 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.719		
Theta	-83.4°		

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 = 483.990 (brightness)

B = 123.404 (background)

a = 0.879 px

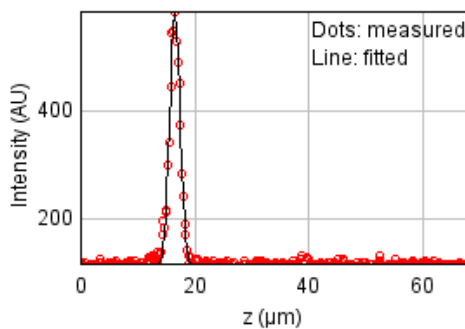
b = -0.049 px

c = 0.463 px

xc = 6.858 px

yc = 6.748 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22415.2686

Standard deviation: 8.54482

R^2 : 0.98564

Parameters:

a = 114.73257

b = 587.81196

c = 16.59225

d = 0.89522

Bead 818 (Rejected)

Date : Mon Oct 17 13:51:32 PDT 2022

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

Frame size : 12 pixels

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

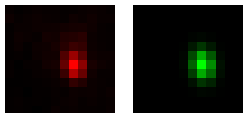
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

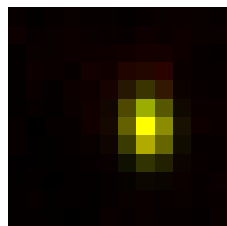
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	584 nm	608 nm	270 nm
z	2.16 μm	2.16 μm	1.3 μm
Asymmetry	0.706		
Theta	-83.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 748.811 (brightness)

B = 130.143 (background)

a = 0.786 px

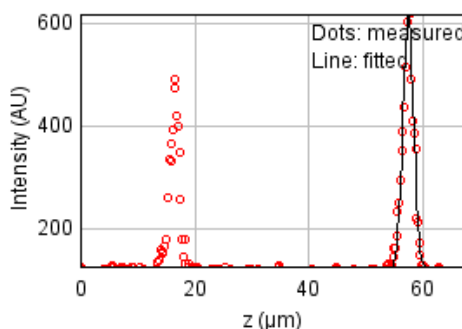
b = -0.045 px

c = 0.399 px

xc = 7.115 px

yc = 6.001 px

Z profile & fitting parameters:



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

Sum of residuals squared: 812993.395

Standard deviation: 51.46054

R^2 : 0.67552

Parameters:

a = 125.60330

b = 616.50860

c = 57.47933

d = 0.91560

Bead 819

Date : Mon Oct 17 13:51:32 PDT 2022

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

Frame size : 12 pixels

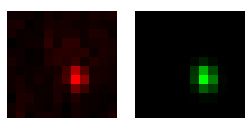
Coordinates : -135 μm (x), 63.1 μm (y), 15.8 μm (z)

Corresponding bead : Not found

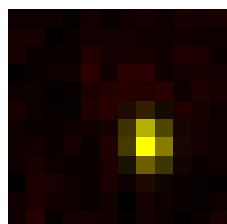
FWHM	Non corrected	Corrected	Theoretical
min	346 nm	360 nm	270 nm
max	451 nm	469 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.768		
Theta	-78.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.910$



Parameters:

A = 261.331 (brightness)

B = 118.848 (background)

a = 1.102 px

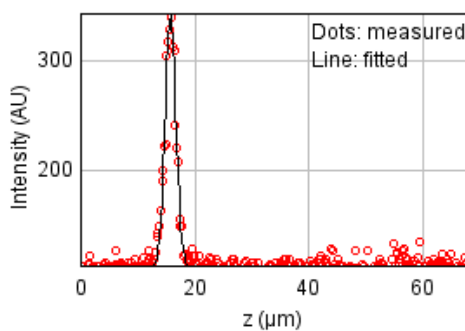
b = -0.093 px

c = 0.680 px

$x_c = 7.150$ px

$y_c = 6.794$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17894.5444

Standard deviation: 7.63469

R^2 : 0.95534

Parameters:

a = 112.39896

b = 342.16374

c = 15.83029

d = 0.94699

Bead 820

Date : Mon Oct 17 13:51:32 PDT 2022

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

Frame size : 12 pixels

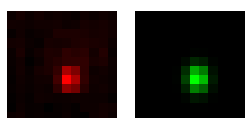
Coordinates : 149 um (x), 52.9 um (y), 16.0 um (z)

Corresponding bead : Not found

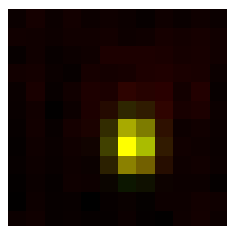
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	498 nm	519 nm	270 nm
z	2.87 um	2.88 um	1.3 um
Asymmetry	0.805		
Theta	-89.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 306.403 (brightness)

B = 117.529 (background)

a = 0.835 px

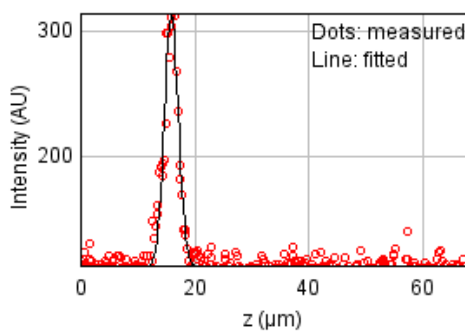
b = -0.005 px

c = 0.541 px

xc = 6.318 px

yc = 6.875 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21940.7791

Standard deviation: 8.45389

R^2 : 0.94523

Parameters:

a = 111.47614

b = 314.56466

c = 15.98182

d = 1.21712

Bead 821 (Rejected)

Date : Mon Oct 17 13:51:32 PDT 2022

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

Frame size : 12 pixels

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

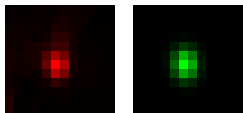
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

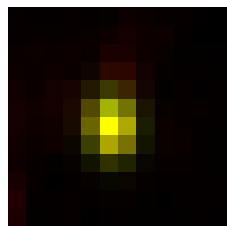
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	463 nm	270 nm
max	584 nm	609 nm	270 nm
z	2.58 μm	2.59 μm	1.3 μm
Asymmetry	0.761		
Theta	-87.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 995.635 (brightness)

B = 145.288 (background)

a = 0.677 px

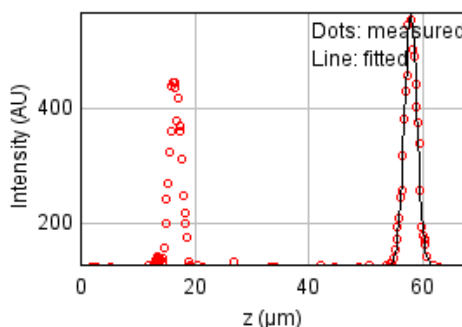
b = -0.012 px

c = 0.393 px

xc = 5.189 px

yc = 5.957 px

Z profile & fitting parameters:



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

Sum of residuals squared: 937344.953

Standard deviation: 55.25614

R^2 : 0.63170

Parameters:

a = 128.18586

b = 567.49034

c = 57.90970

d = 1.09698

Bead 822

Date : Mon Oct 17 13:51:32 PDT 2022

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

Frame size : 12 pixels

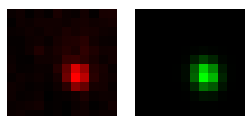
Coordinates : 121 μm (x), 38.7 μm (y), 15.9 μm (z)

Corresponding bead : Not found

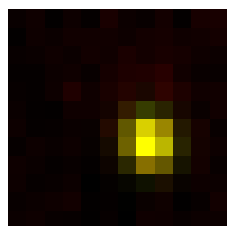
FWHM	Non corrected	Corrected	Theoretical
min	450 nm	469 nm	270 nm
max	517 nm	538 nm	270 nm
z	2.2 μm	2.21 μm	1.3 μm
Asymmetry	0.87		
Theta	-71.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 319.402 (brightness)

B = 118.212 (background)

a = 0.647 px

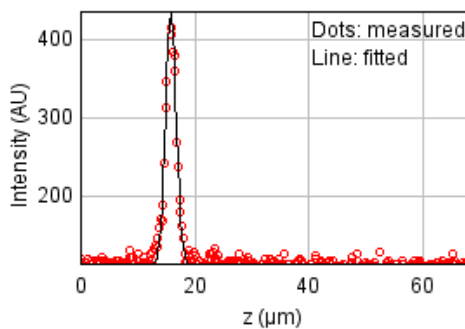
b = -0.048 px

c = 0.518 px

xc = 7.217 px

yc = 6.718 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23717.1709

Standard deviation: 8.78946

R^2 : 0.96935

Parameters:

a = 112.57298

b = 436.03880

c = 15.89324

d = 0.93570

Bead 823

Date : Mon Oct 17 13:51:32 PDT 2022

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

Frame size : 12 pixels

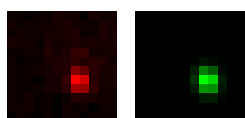
Coordinates : 132 μm (x), 28.9 μm (y), 15.8 μm (z)

Corresponding bead : Not found

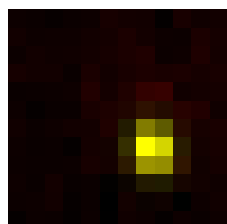
FWHM	Non corrected	Corrected	Theoretical
min	376 nm	392 nm	270 nm
max	466 nm	485 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.808		
Theta	-78.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 314.870$ (brightness)

$B = 117.459$ (background)

$a = 0.934$ px

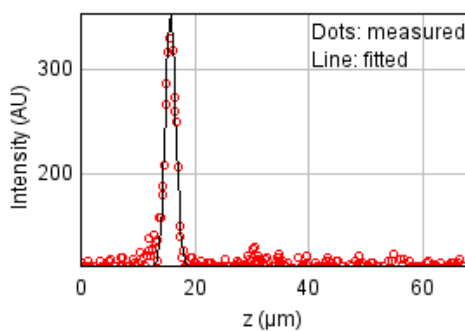
$b = -0.067$ px

$c = 0.633$ px

$x_c = 7.412$ px

$y_c = 7.112$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18365.6210

Standard deviation: 7.73452

$R^2: 0.95670$

Parameters:

$a = 112.37763$

$b = 353.15665$

$c = 15.84211$

$d = 0.91227$

Bead 824

Date : Mon Oct 17 13:51:33 PDT 2022

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

Frame size : 12 pixels

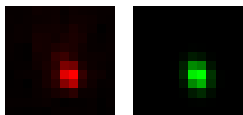
Coordinates : -5.6 μm (x), 14.6 μm (y), 16.8 μm (z)

Corresponding bead : Not found

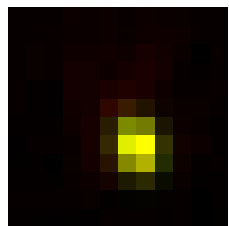
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	410 nm	270 nm
max	507 nm	528 nm	270 nm
z	2.24 μm	2.25 μm	1.3 μm
Asymmetry	0.775		
Theta	-73.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 710.995$ (brightness)

$B = 128.799$ (background)

$a = 0.840$ px

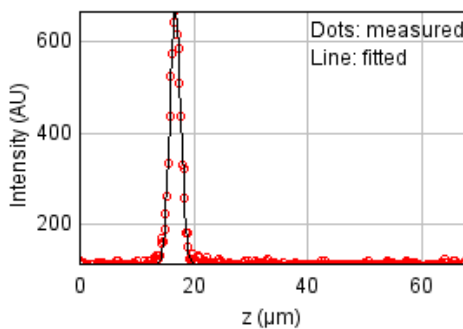
$b = -0.094$ px

$c = 0.550$ px

$x_c = 6.552$ px

$y_c = 7.089$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18763.5406

Standard deviation: 7.81787

$R^2: 0.99172$

Parameters:

$a = 113.21568$

$b = 668.22485$

$c = 16.84273$

$d = 0.95334$

Bead 825

Date : Mon Oct 17 13:51:33 PDT 2022

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

Frame size : 12 pixels

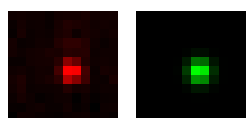
Coordinates : -144 μm (x), 12.0 μm (y), 16.5 μm (z)

Corresponding bead : Not found

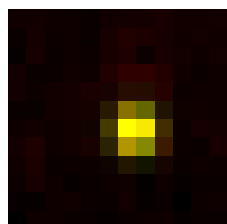
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	446 nm	465 nm	270 nm
z	2.32 μm	2.33 μm	1.3 μm
Asymmetry	0.932		
Theta	-89.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 412.347$ (brightness)

$B = 117.708$ (background)

$a = 0.775$ px

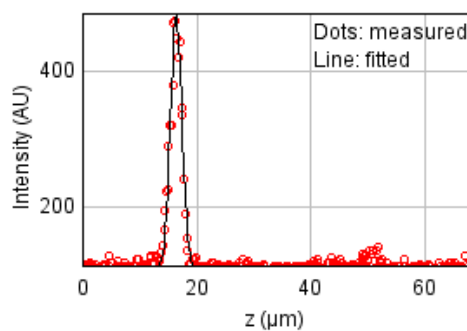
$b = -0.001$ px

$c = 0.674$ px

$x_c = 6.442$ px

$y_c = 6.102$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 35142.6678

Standard deviation: 10.69912

$R^2: 0.96723$

Parameters:

$a = 112.56321$

$b = 483.97744$

$c = 16.46791$

$d = 0.98410$

Bead 826 (Rejected)

Date : Mon Oct 17 13:51:33 PDT 2022

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

Frame size : 12 pixels

Coordinates : -55.7 μm (x), -23.4 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	0	0	270 nm
max	0	0	270 nm
z	4.51 μm	4.53 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

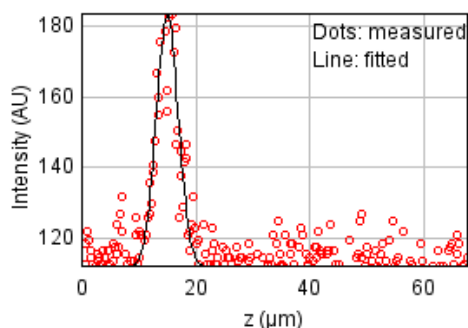
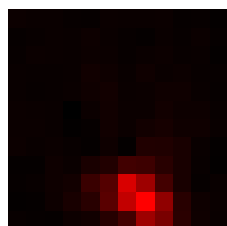
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 14976.1819

Standard deviation: 6.98444

R²: 0.82565

Parameters:

a = 112.13518

b = 183.61253

c = 15.08648

d = 1.91475

Bead 827

Date : Mon Oct 17 13:51:33 PDT 2022

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

Frame size : 12 pixels

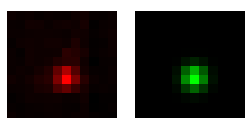
Coordinates : -74.4 μm (x), -44.3 μm (y), 16.4 μm (z)

Corresponding bead : Not found

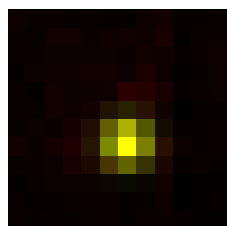
FWHM	Non corrected	Corrected	Theoretical
min	449 nm	468 nm	270 nm
max	454 nm	473 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.989		
Theta	74.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 554.547 (brightness)

B = 122.806 (background)

a = 0.663 px

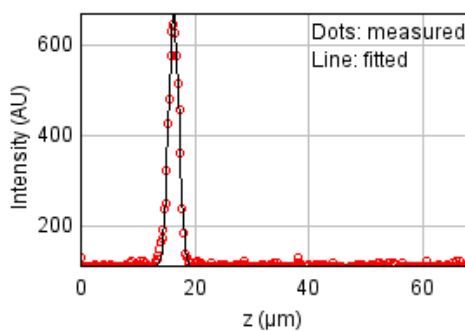
b = 0.004 px

c = 0.651 px

xc = 5.966 px

yc = 6.782 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25090.1466

Standard deviation: 9.04029

R^2 : 0.98862

Parameters:

a = 112.45891

b = 673.52359

c = 16.39406

d = 0.90161

Bead 828

Date : Mon Oct 17 13:51:33 PDT 2022

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

Frame size : 12 pixels

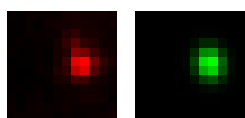
Coordinates : 87.9 μm (x), -61.3 μm (y), 19.7 μm (z)

Corresponding bead : Not found

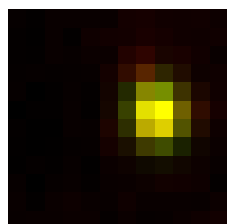
FWHM	Non corrected	Corrected	Theoretical
min	488 nm	509 nm	270 nm
max	587 nm	611 nm	270 nm
z	2.0 μm	2.0 μm	1.3 μm
Asymmetry	0.832		
Theta	-78.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 570.556$ (brightness)

$B = 125.459$ (background)

$a = 0.556$ px

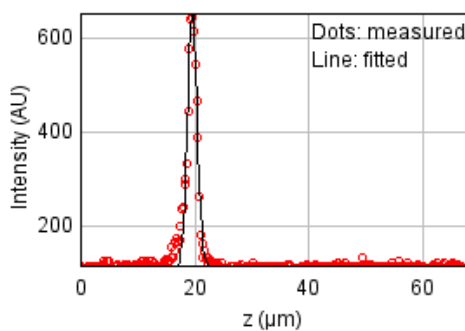
$b = -0.034$ px

$c = 0.396$ px

$x_c = 7.632$ px

$y_c = 5.202$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 56430.9128

Standard deviation: 13.55780

$R^2 = 0.97099$

Parameters:

$a = 114.47572$

$b = 652.60545$

$c = 19.65247$

$d = 0.84720$

Bead 829

Date : Mon Oct 17 13:51:33 PDT 2022

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

Frame size : 12 pixels

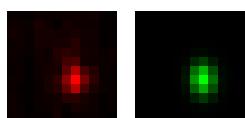
Coordinates : 79.4 μm (x), -89.6 μm (y), 16.3 μm (z)

Corresponding bead : Not found

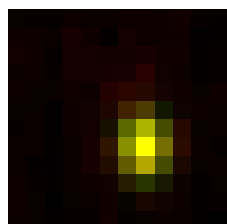
FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	591 nm	616 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.734		
Theta	-87.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 389.094 (brightness)

B = 120.237 (background)

a = 0.713 px

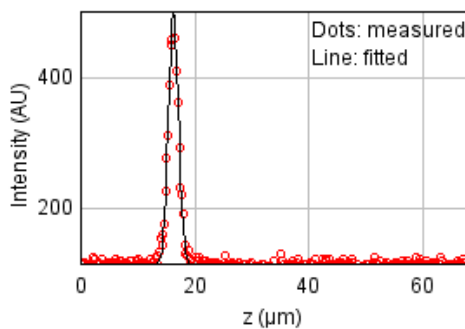
b = -0.016 px

c = 0.385 px

xc = 6.904 px

yc = 6.952 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14801.2003

Standard deviation: 6.94351

R^2 : 0.98571

Parameters:

a = 113.68584

b = 503.77965

c = 16.34116

d = 0.87246

Bead 830 (Rejected)

Date : Mon Oct 17 13:51:33 PDT 2022

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

Frame size : 12 pixels

Coordinates : 158 um (x), 86.6 um (y), 15.5 um (z)

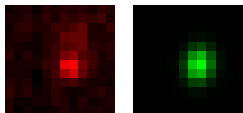
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

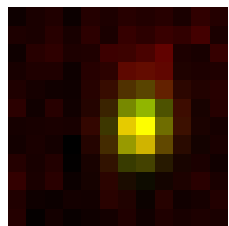
FWHM	Non corrected	Corrected	Theoretical
min	494 nm	515 nm	270 nm
max	635 nm	661 nm	270 nm
z	2.45 um	2.46 um	1.3 um
Asymmetry	0.778		
Theta	82.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.792$



Parameters:

A = 129.896 (brightness)

B = 117.400 (background)

a = 0.546 px

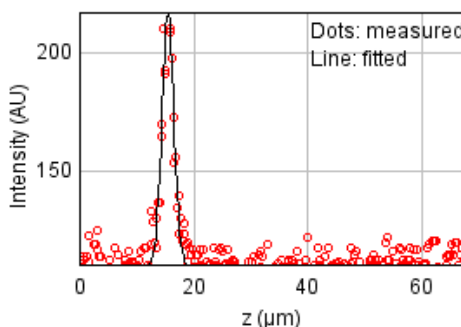
b = 0.028 px

c = 0.337 px

xc = 6.706 px

yc = 6.016 px

Z profile & fitting parameters:



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

Sum of residuals squared: 11380.3790

Standard deviation: 6.08848

R^2 : 0.88805

Parameters:

a = 110.11498

b = 216.87967

c = 15.54599

d = 1.03957

Bead 831

Date : Mon Oct 17 13:51:33 PDT 2022

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

Frame size : 12 pixels

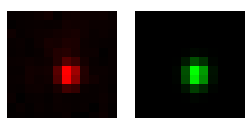
Coordinates : -103 μm (x), 27.7 μm (y), 16.7 μm (z)

Corresponding bead : Not found

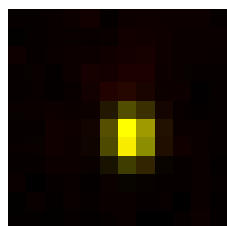
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	460 nm	480 nm	270 nm
z	2.24 μm	2.25 μm	1.3 μm
Asymmetry	0.868		
Theta	88.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.974$



Parameters:

$A = 523.759$ (brightness)

$B = 122.847$ (background)

$a = 0.839$ px

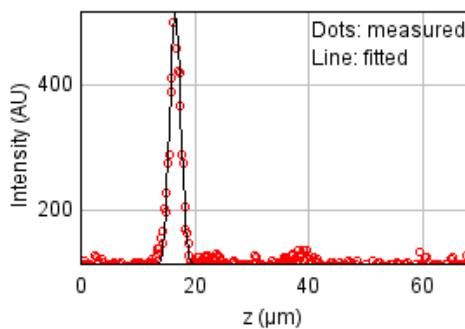
$b = 0.006$ px

$c = 0.633$ px

$x_c = 6.194$ px

$y_c = 6.435$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 39405.2430

Standard deviation: 11.32942

$R^2: 0.96741$

Parameters:

$a = 115.81011$

$b = 516.23709$

$c = 16.65315$

$d = 0.95290$

Bead 832

Date : Mon Oct 17 13:51:33 PDT 2022

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

Frame size : 12 pixels

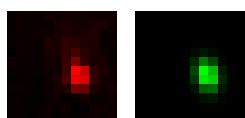
Coordinates : 15.7 μm (x), 5.72 μm (y), 16.5 μm (z)

Corresponding bead : Not found

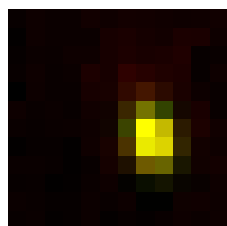
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	572 nm	596 nm	270 nm
z	2.52 μm	2.53 μm	1.3 μm
Asymmetry	0.695		
Theta	-75.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 407.823$ (brightness)

$B = 124.153$ (background)

$a = 0.820$ px

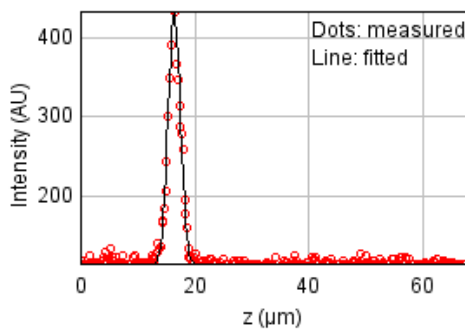
$b = -0.108$ px

$c = 0.438$ px

$x_c = 7.370$ px

$y_c = 6.496$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17795.2231

Standard deviation: 7.61347

$R^2: 0.97902$

Parameters:

$a = 113.03462$

$b = 432.59037$

$c = 16.47618$

$d = 1.06932$

Bead 833 (Rejected)

Date : Mon Oct 17 13:51:33 PDT 2022

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

Frame size : 12 pixels

Coordinates : -70.2 μm (x), 110 nm (y), 14.1 μm (z)

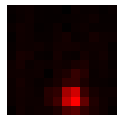
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.45 μm	3.47 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

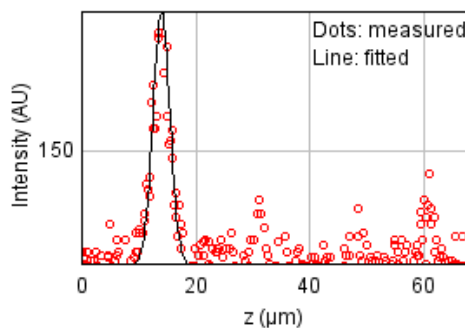
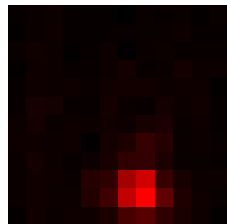
XY profile & fitting parameters :

(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: 16703.3594

Standard deviation: 7.37620

R²: 0.81270

Parameters:

a = 113.68566

b = 195.20126

c = 14.07329

d = 1.46626

Bead 834 (Rejected)

Date : Mon Oct 17 13:51:34 PDT 2022

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

Frame size : 12 pixels

Coordinates : -150 μm (x), -18.2 μm (y), 15.0 μm (z)

Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.58 μm	2.59 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

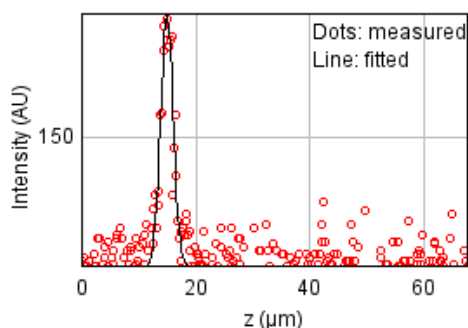
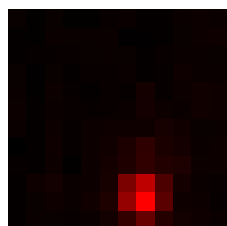
XY profile & fitting parameters :

(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: 12845.6834

Standard deviation: 6.46859

R²: 0.79165

Parameters:

a = 111.09965

b = 187.66974

c = 15.01988

d = 1.09615

Bead 835

Date : Mon Oct 17 13:51:34 PDT 2022

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

Frame size : 12 pixels

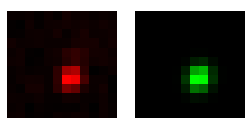
Coordinates : -152 μm (x), -35.3 μm (y), 16.6 μm (z)

Corresponding bead : Not found

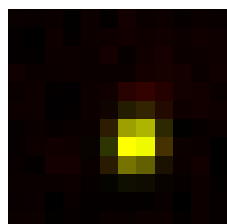
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	420 nm	270 nm
max	471 nm	491 nm	270 nm
z	2.39 μm	2.4 μm	1.3 μm
Asymmetry	0.857		
Theta	69.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 414.852$ (brightness)

$B = 118.626$ (background)

$a = 0.796$ px

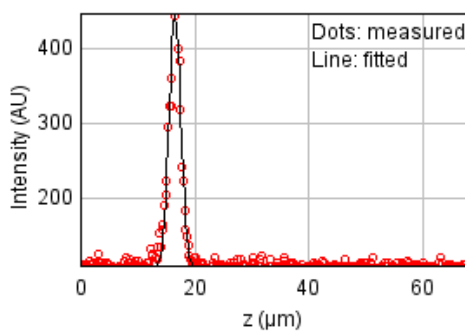
$b = 0.072$ px

$c = 0.632$ px

$x_c = 6.500$ px

$y_c = 6.811$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21585.3444

Standard deviation: 8.38514

$R^2: 0.97579$

Parameters:

$a = 111.19494$

$b = 446.65097$

$c = 16.60105$

$d = 1.01330$

Bead 836

Date : Mon Oct 17 13:51:34 PDT 2022

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

Frame size : 12 pixels

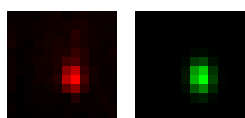
Coordinates : -28.0 μm (x), 53.6 μm (y), 16.8 μm (z)

Corresponding bead : Not found

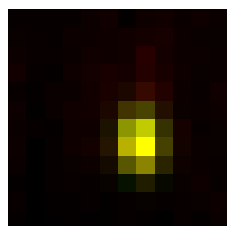
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	553 nm	576 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.711		
Theta	-86.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 544.484$ (brightness)

$B = 123.625$ (background)

$a = 0.868$ px

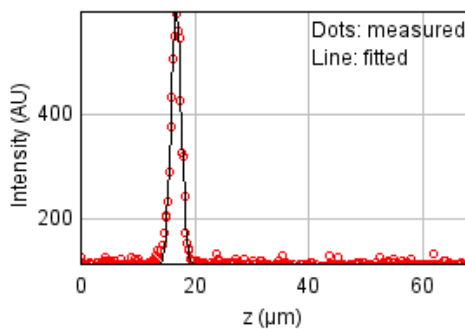
$b = -0.029$ px

$c = 0.441$ px

$x_c = 6.702$ px

$y_c = 6.737$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25289.1960

Standard deviation: 9.07608

$R^2: 0.98450$

Parameters:

$a = 114.81605$

$b = 601.17339$

$c = 16.81820$

$d = 0.88400$

Bead 837 (Rejected)

Date : Mon Oct 17 13:51:34 PDT 2022

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

Frame size : 12 pixels

Coordinates : 5.87 μm (x), 52.9 μm (y), 13.8 μm (z)

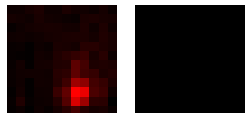
Corresponding bead : Not found

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

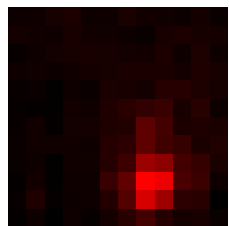
FWHM	Non corrected	Corrected	Theoretical
min	2.65 μm	2.76 μm	270 nm
max	3.43 μm	3.57 μm	270 nm
z	2.73 μm	2.75 μm	1.3 μm
Asymmetry	0.773		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.293$



Parameters:

A = -59.534 (brightness)

B = 182.120 (background)

a = -0.000 px

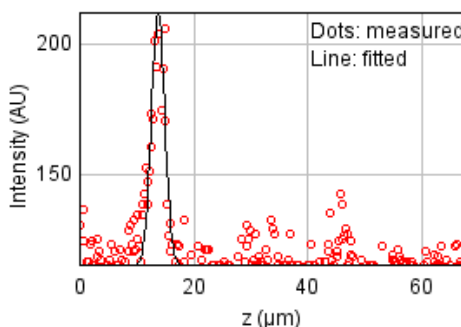
b = 0.015 px

c = 0.008 px

xc = 3.662 px

yc = 1.112 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19675.3565

Standard deviation: 8.00557

R^2 : 0.80784

Parameters:

a = 115.36509

b = 212.39637

c = 13.83005

d = 1.16101

Bead 838

Date : Mon Oct 17 13:51:34 PDT 2022

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

Frame size : 12 pixels

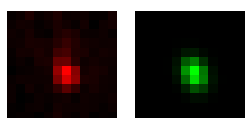
Coordinates : 92.8 μm (x), 5.54 μm (y), 16.3 μm (z)

Corresponding bead : Not found

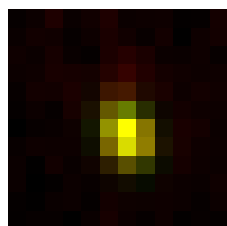
FWHM	Non corrected	Corrected	Theoretical
min	435 nm	453 nm	270 nm
max	583 nm	607 nm	270 nm
z	2.57 μm	2.58 μm	1.3 μm
Asymmetry	0.746		
Theta	-68.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 277.008$ (brightness)

$B = 118.943$ (background)

$a = 0.667$ px

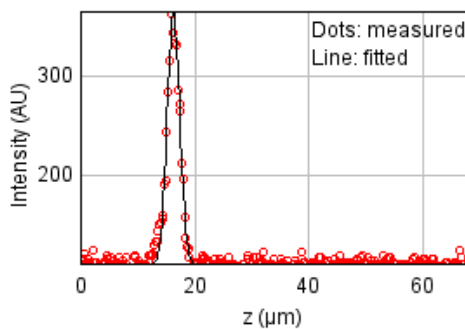
$b = -0.106$ px

$c = 0.436$ px

$x_c = 5.965$ px

$y_c = 6.322$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 15699.3629

Standard deviation: 7.15108

$R^2: 0.97110$

Parameters:

$a = 111.71488$

$b = 363.93808$

$c = 16.34247$

$d = 1.09153$

Bead 839 (Rejected)

Date : Mon Oct 17 13:51:34 PDT 2022

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

Frame size : 12 pixels

Coordinates : 154 μm (x), -33.8 μm (y), 16.0 μm (z)

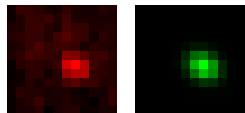
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	476 nm	496 nm	270 nm
max	594 nm	619 nm	270 nm
z	2.88 μm	2.89 μm	1.3 μm
Asymmetry	0.801		
Theta	-35.1°		

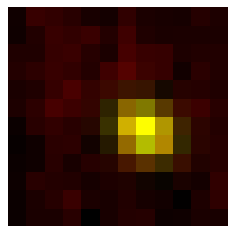
XY profile & fitting parameters :

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



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

$R^2 = 0.824$



Parameters:

$A = 127.097$ (brightness)

$B = 115.935$ (background)

$a = 0.450$ px

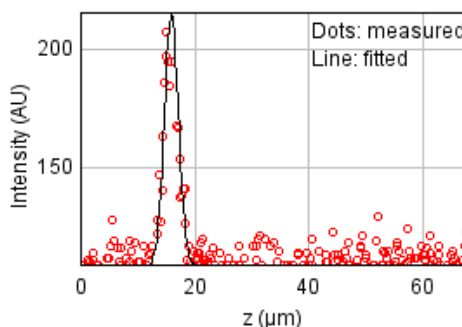
$b = -0.100$ px

$c = 0.523$ px

$xc = 6.951$ px

$yc = 6.200$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17017.7812

Standard deviation: 7.44530

$R^2: 0.85800$

Parameters:

$a = 109.52275$

$b = 215.13663$

$c = 15.98399$

$d = 1.22242$

Bead 840

Date : Mon Oct 17 13:51:34 PDT 2022

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

Frame size : 12 pixels

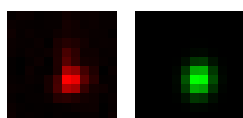
Coordinates : 32.2 μm (x), -37.1 μm (y), 17.1 μm (z)

Corresponding bead : Not found

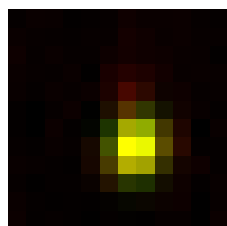
FWHM	Non corrected	Corrected	Theoretical
min	482 nm	502 nm	270 nm
max	582 nm	607 nm	270 nm
z	2.28 μm	2.29 μm	1.3 μm
Asymmetry	0.827		
Theta	83.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 499.067 (brightness)

B = 122.802 (background)

a = 0.576 px

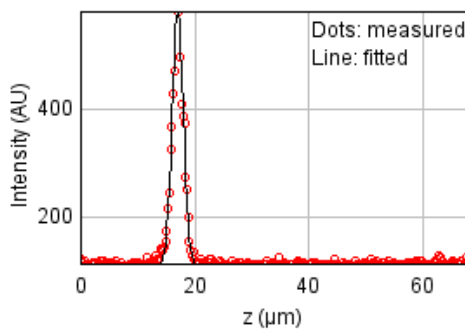
b = 0.022 px

c = 0.398 px

xc = 6.477 px

yc = 6.989 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21790.5914

Standard deviation: 8.42491

R^2 : 0.98679

Parameters:

a = 113.64934

b = 582.74752

c = 17.08731

d = 0.96692

Bead 841

Date : Mon Oct 17 13:51:34 PDT 2022

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

Frame size : 12 pixels

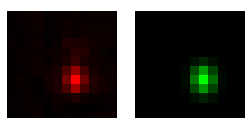
Coordinates : -35.6 μm (x), -51.6 μm (y), 16.8 μm (z)

Corresponding bead : Not found

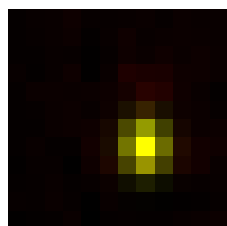
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	420 nm	270 nm
max	507 nm	528 nm	270 nm
z	1.88 μm	1.89 μm	1.3 μm
Asymmetry	0.796		
Theta	-88.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 526.636 (brightness)

B = 121.239 (background)

a = 0.824 px

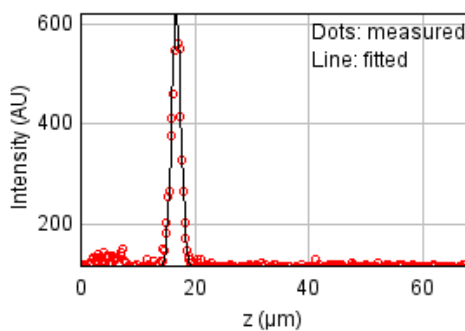
b = -0.009 px

c = 0.522 px

$x_c = 6.973$ px

$y_c = 6.975$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 36372.5101

Standard deviation: 10.88472

R^2 : 0.97800

Parameters:

a = 114.93798

b = 626.85363

c = 16.82928

d = 0.79931

Bead 842 (Rejected)

Date : Mon Oct 17 13:51:35 PDT 2022

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

Frame size : 12 pixels

Coordinates : -99.7 μm (x), -62.4 μm (y), 14.4 μm (z)

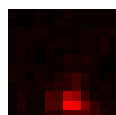
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.46 μm	3.48 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

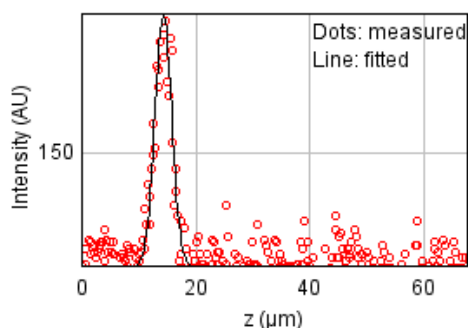
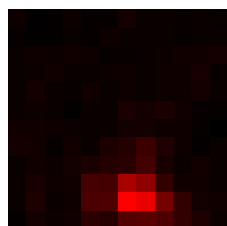
XY profile & fitting parameters :

(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: 14583.2941

Standard deviation: 6.89221

R²: 0.83813

Parameters:

a = 112.92725

b = 196.01417

c = 14.39622

d = 1.47084

Bead 843

Date : Mon Oct 17 13:51:35 PDT 2022

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

Frame size : 12 pixels

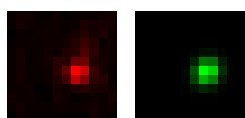
Coordinates : -112 μm (x), -72.1 μm (y), 16.9 μm (z)

Corresponding bead : Not found

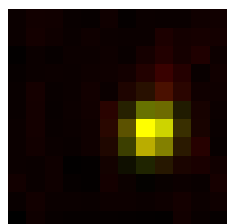
FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	490 nm	510 nm	270 nm
z	2.01 μm	2.01 μm	1.3 μm
Asymmetry	0.898		
Theta	59.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 300.432$ (brightness)

$B = 120.012$ (background)

$a = 0.659$ px

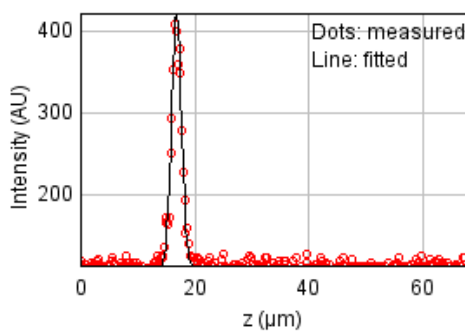
$b = 0.059$ px

$c = 0.595$ px

$x_c = 7.347$ px

$y_c = 6.142$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26012.7708

Standard deviation: 9.20501

$R^2: 0.95990$

Parameters:

$a = 113.35712$

$b = 421.54450$

$c = 16.87533$

$d = 0.85180$

Bead 844 (Rejected)

Date : Mon Oct 17 13:51:35 PDT 2022

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

Frame size : 12 pixels

Coordinates : 158 um (x), 86.6 um (y), 15.5 um (z)

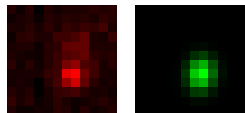
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

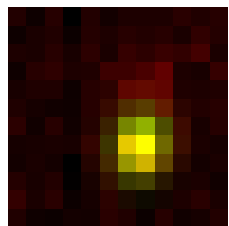
FWHM	Non corrected	Corrected	Theoretical
min	490 nm	510 nm	270 nm
max	622 nm	648 nm	270 nm
z	2.45 um	2.46 um	1.3 um
Asymmetry	0.787		
Theta	82.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.792$



Parameters:

A = 130.895 (brightness)

B = 117.828 (background)

a = 0.557 px

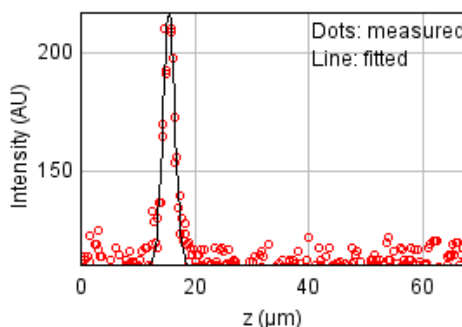
b = 0.026 px

c = 0.350 px

xc = 6.704 px

yc = 7.027 px

Z profile & fitting parameters:



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

Sum of residuals squared: 11380.3790

Standard deviation: 6.08848

R^2 : 0.88805

Parameters:

a = 110.11498

b = 216.87967

c = 15.54599

d = 1.03957

Bead 845

Date : Mon Oct 17 13:51:35 PDT 2022

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

Frame size : 12 pixels

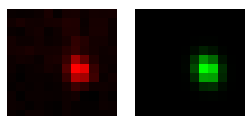
Coordinates : -87.9 μm (x), 83.5 μm (y), 17.1 μm (z)

Corresponding bead : Not found

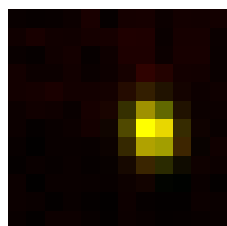
FWHM	Non corrected	Corrected	Theoretical
min	426 nm	443 nm	270 nm
max	526 nm	548 nm	270 nm
z	2.25 μm	2.26 μm	1.3 μm
Asymmetry	0.809		
Theta	-71.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 356.801 (brightness)

B = 118.093 (background)

a = 0.716 px

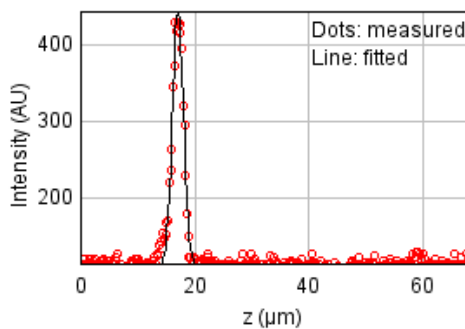
b = -0.076 px

c = 0.510 px

xc = 7.390 px

yc = 6.111 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22082.2106

Standard deviation: 8.48110

R^2 : 0.97294

Parameters:

a = 114.21887

b = 443.64679

c = 17.13254

d = 0.95582

Bead 846

Date : Mon Oct 17 13:51:35 PDT 2022

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

Frame size : 12 pixels

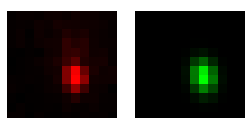
Coordinates : 64.7 μm (x), 15.6 μm (y), 17.5 μm (z)

Corresponding bead : Not found

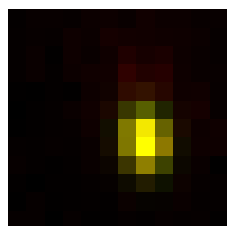
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	435 nm	270 nm
max	586 nm	610 nm	270 nm
z	2.24 μm	2.24 μm	1.3 μm
Asymmetry	0.712		
Theta	-81.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 579.399$ (brightness)

$B = 124.281$ (background)

$a = 0.763$ px

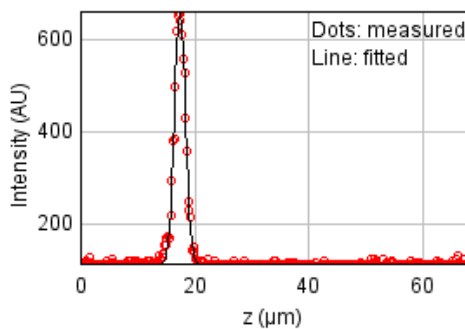
$b = -0.055$ px

$c = 0.399$ px

$x_c = 6.976$ px

$y_c = 6.616$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25151.6927

Standard deviation: 9.05137

$R^2: 0.98863$

Parameters:

$a = 114.42168$

$b = 663.00279$

$c = 17.47693$

$d = 0.94924$

Bead 847 (Rejected)

Date : Mon Oct 17 13:51:35 PDT 2022

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

Frame size : 12 pixels

Coordinates : 130 μm (x), -11.3 μm (y), 14.1 μm (z)

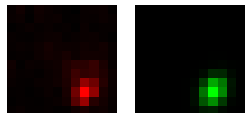
Corresponding bead : Not found

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

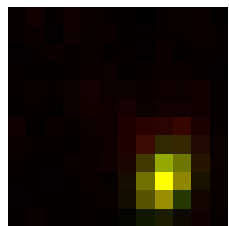
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	555 nm	578 nm	270 nm
z	3.12 μm	3.14 μm	1.3 μm
Asymmetry	0.741		
Theta	63.5°		

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 = 443.002 (brightness)

B = 121.366 (background)

a = 0.721 px

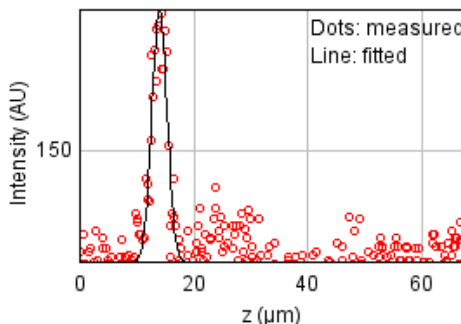
b = 0.143 px

c = 0.507 px

xc = 8.079 px

yc = 8.891 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18415.8487

Standard deviation: 7.74509

R^2 : 0.79930

Parameters:

a = 112.17513

b = 198.04160

c = 14.07768

d = 1.32680

Bead 848 (Rejected)

Date : Mon Oct 17 13:51:35 PDT 2022

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

Frame size : 12 pixels

Coordinates : -163 μm (x), -17.9 μm (y), 16.2 μm (z)

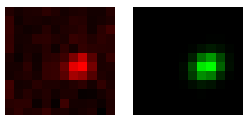
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

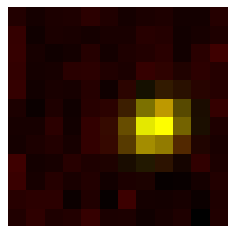
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	462 nm	270 nm
max	548 nm	571 nm	270 nm
z	3.29 μm	3.3 μm	1.3 μm
Asymmetry	0.81		
Theta	32.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.884$



Parameters:

A = 139.848 (brightness)

B = 113.998 (background)

a = 0.513 px

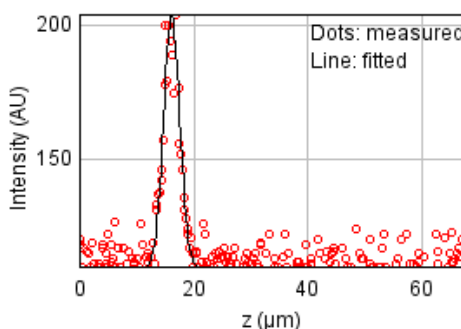
b = 0.106 px

c = 0.615 px

xc = 7.586 px

yc = 5.986 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13660.5257

Standard deviation: 6.67059

R^2 : 0.87139

Parameters:

a = 109.51812

b = 203.75693

c = 16.20483

d = 1.39552

Bead 849 (Rejected)

Date : Mon Oct 17 13:51:35 PDT 2022

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

Frame size : 12 pixels

Coordinates : -119 μm (x), -40.8 μm (y), 15.4 μm (z)

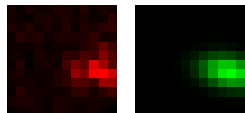
Corresponding bead : Not found

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

FWHM	Non corrected	Corrected	Theoretical
min	571 nm	595 nm	270 nm
max	1.05 μm	1.09 μm	270 nm
z	1.25 μm	1.25 μm	1.3 μm
Asymmetry	0.546		
Theta	-11.3°		

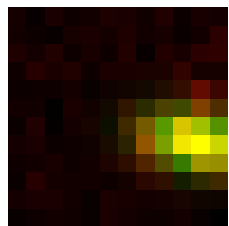
XY profile & fitting parameters :

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



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

$R^2 = 0.859$



Parameters:

$A = 142.003$ (brightness)

$B = 120.016$ (background)

$a = 0.134$ px

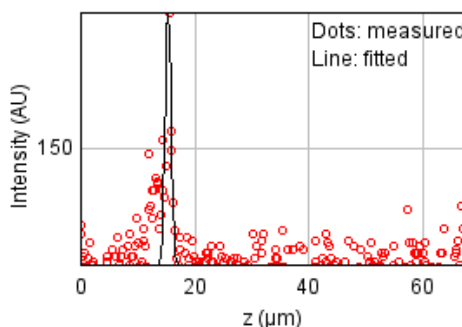
$b = -0.055$ px

$c = 0.400$ px

$xc = 9.787$ px

$yc = 6.811$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18760.9739

Standard deviation: 7.81733

$R^2: 0.59271$

Parameters:

$a = 112.69657$

$b = 193.82901$

$c = 15.39384$

$d = 0.52948$

Bead 850

Date : Mon Oct 17 13:51:35 PDT 2022

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

Frame size : 12 pixels

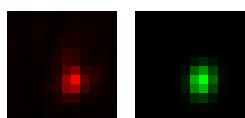
Coordinates : 64.6 μm (x), -56.9 μm (y), 17.6 μm (z)

Corresponding bead : Not found

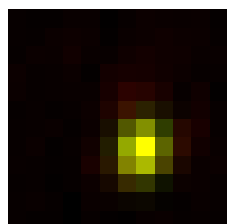
FWHM	Non corrected	Corrected	Theoretical
min	443 nm	461 nm	270 nm
max	550 nm	573 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.806		
Theta	81.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 567.879 (brightness)

B = 126.080 (background)

a = 0.679 px

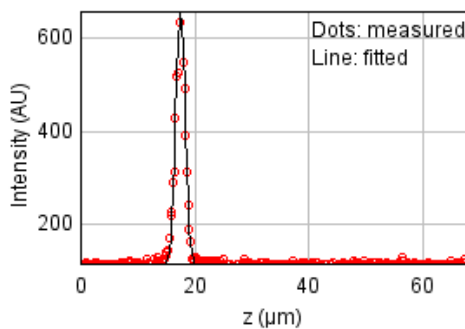
b = 0.037 px

c = 0.450 px

xc = 6.798 px

yc = 7.155 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25283.9964

Standard deviation: 9.07515

R^2 : 0.98663

Parameters:

a = 113.59638

b = 658.16904

c = 17.56658

d = 0.81556

Bead 851 (Rejected)

Date : Mon Oct 17 13:51:36 PDT 2022

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

Frame size : 12 pixels

Coordinates : 118 μm (x), -78.9 μm (y), 15.0 μm (z)

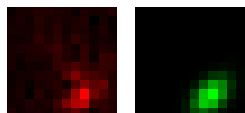
Corresponding bead : Not found

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

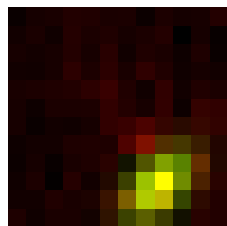
FWHM	Non corrected	Corrected	Theoretical
min	472 nm	491 nm	270 nm
max	776 nm	808 nm	270 nm
z	2.37 μm	2.38 μm	1.3 μm
Asymmetry	0.608		
Theta	47.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.797$



Parameters:

A = 151.053 (brightness)

B = 117.975 (background)

a = 0.428 px

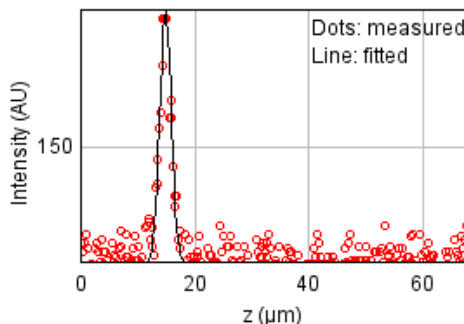
b = 0.189 px

c = 0.397 px

xc = 7.722 px

yc = 9.204 px

Z profile & fitting parameters:



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

Sum of residuals squared: 10212.0898

Standard deviation: 5.76751

R^2 : 0.84559

Parameters:

a = 111.17103

b = 196.42895

c = 14.95480

d = 1.00815

Bead 852

Date : Mon Oct 17 13:51:36 PDT 2022

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

Frame size : 12 pixels

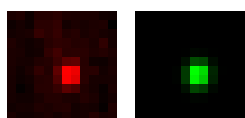
Coordinates : -124 μm (x), 72.4 μm (y), 16.4 μm (z)

Corresponding bead : Not found

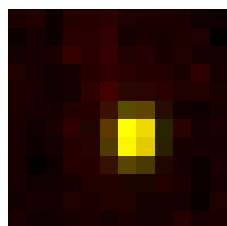
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	468 nm	487 nm	270 nm
z	2.62 μm	2.63 μm	1.3 μm
Asymmetry	0.864		
Theta	84.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 249.088$ (brightness)

$B = 116.709$ (background)

$a = 0.820$ px

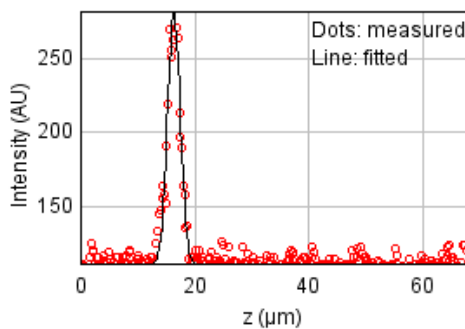
$b = 0.020$ px

$c = 0.616$ px

$xc = 6.395$ px

$yc = 6.459$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17024.4847

Standard deviation: 7.44677

$R^2: 0.93508$

Parameters:

$a = 111.20712$

$b = 281.65824$

$c = 16.41767$

$d = 1.11232$

Bead 853 (Rejected)

Date : Mon Oct 17 13:51:36 PDT 2022

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

Frame size : 12 pixels

Coordinates : -21.7 μm (x), 47.8 μm (y), 17.2 μm (z)

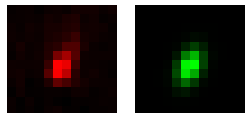
Corresponding bead : Not found

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

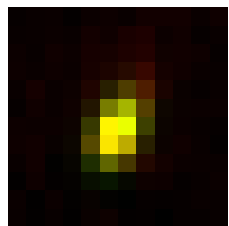
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	432 nm	270 nm
max	663 nm	690 nm	270 nm
z	3.2 μm	3.21 μm	1.3 μm
Asymmetry	0.625		
Theta	68.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 536.273 (brightness)

B = 126.364 (background)

a = 0.716 px

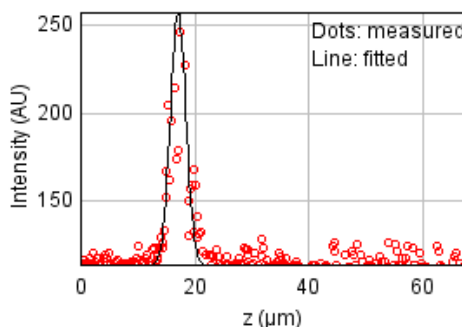
b = 0.165 px

c = 0.372 px

xc = 5.485 px

yc = 6.191 px

Z profile & fitting parameters:



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

Sum of residuals squared: 82636.0814

Standard deviation: 16.40649

R^2 : 0.71844

Parameters:

a = 113.26625

b = 257.22382

c = 17.16628

d = 1.35957

Bead 854

Date : Mon Oct 17 13:51:36 PDT 2022

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

Frame size : 12 pixels

Coordinates : -65.4 μm (x), 29.2 μm (y), 47.7 μm (z)

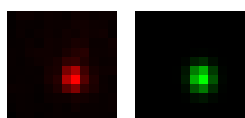
Corresponding bead : Not found



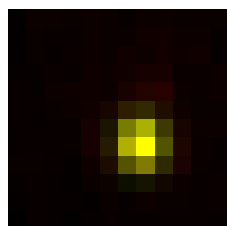
FWHM	Non corrected	Corrected	Theoretical
min	424 nm	441 nm	270 nm
max	494 nm	514 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.858		
Theta	-86.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.974$



Parameters:

$A = 904.538$ (brightness)

$B = 131.999$ (background)

$a = 0.747$ px

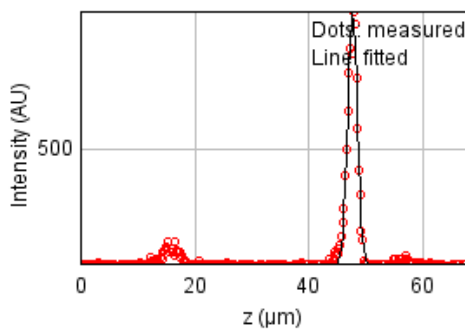
$b = -0.011$ px

$c = 0.551$ px

$x_c = 6.750$ px

$y_c = 6.830$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 108661.273

Standard deviation: 18.81344

$R^2: 0.97719$

Parameters:

$a = 119.75030$

$b = 960.66661$

$c = 47.70816$

$d = 0.85552$

Bead 855

Date : Mon Oct 17 13:51:36 PDT 2022

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

Frame size : 12 pixels

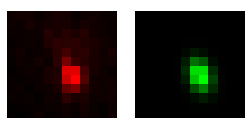
Coordinates : 83.5 μm (x), 27.1 μm (y), 17.5 μm (z)

Corresponding bead : Not found

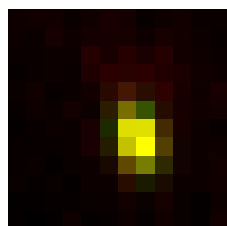
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	593 nm	617 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.664		
Theta	-72.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 443.571$ (brightness)

$B = 122.702$ (background)

$a = 0.824$ px

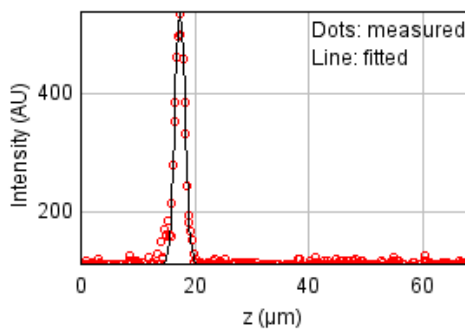
$b = -0.136$ px

$c = 0.424$ px

$x_c = 6.589$ px

$y_c = 6.525$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 32466.3458

Standard deviation: 10.28366

$R^2: 0.97392$

Parameters:

$a = 113.65962$

$b = 539.31326$

$c = 17.48718$

$d = 0.87011$

Bead 856

Date : Mon Oct 17 13:51:36 PDT 2022

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

Frame size : 12 pixels

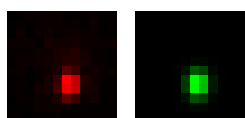
Coordinates : -18.8 μm (x), 10.1 μm (y), 17.3 μm (z)

Corresponding bead : Not found

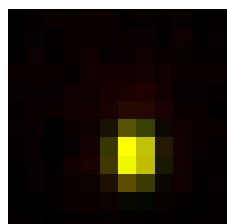
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	486 nm	506 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.796		
Theta	89.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 690.637 (brightness)

B = 127.403 (background)

a = 0.896 px

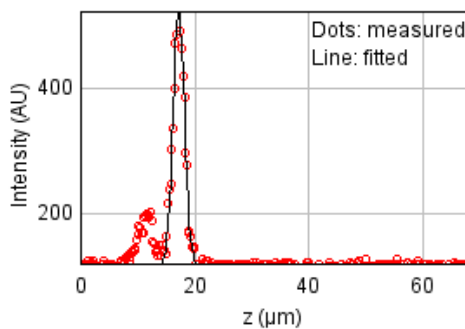
b = 0.000 px

c = 0.568 px

xc = 6.346 px

yc = 7.476 px

Z profile & fitting parameters:



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

Sum of residuals squared: 92225.5033

Standard deviation: 17.33231

R^2 : 0.93115

Parameters:

a = 118.16493

b = 525.86064

c = 17.27625

d = 0.98192

Bead 857

Date : Mon Oct 17 13:51:36 PDT 2022

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

Frame size : 12 pixels

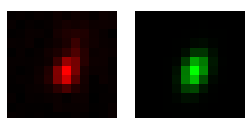
Coordinates : 10.3 μm (x), 9.55 μm (y), 17.3 μm (z)

Corresponding bead : Not found

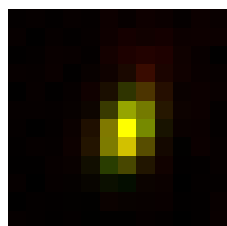
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	443 nm	270 nm
max	670 nm	698 nm	270 nm
z	2.49 μm	2.5 μm	1.3 μm
Asymmetry	0.635		
Theta	68.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 488.381 (brightness)

B = 120.429 (background)

a = 0.681 px

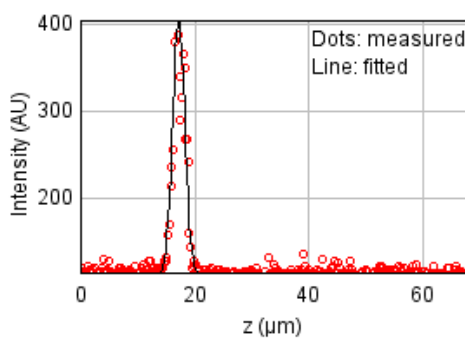
b = 0.152 px

c = 0.359 px

xc = 6.031 px

yc = 6.093 px

Z profile & fitting parameters:



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

Sum of residuals squared: 61065.4330

Standard deviation: 14.10355

R^2 : 0.91910

Parameters:

a = 112.71992

b = 406.39882

c = 17.27010

d = 1.05683

Bead 858

Date : Mon Oct 17 13:51:36 PDT 2022

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

Frame size : 12 pixels

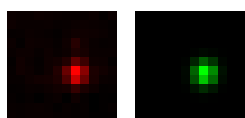
Coordinates : -53.0 μm (x), -14.0 μm (y), 17.4 μm (z)

Corresponding bead : Not found

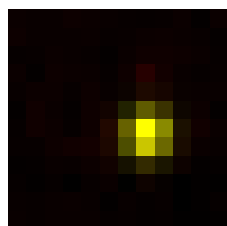
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	457 nm	476 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.901		
Theta	83.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 703.994$ (brightness)

$B = 128.193$ (background)

$a = 0.790$ px

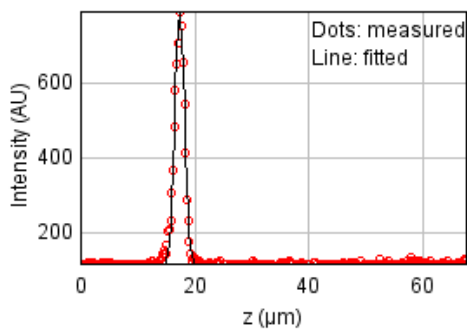
$b = 0.016$ px

$c = 0.645$ px

$x_c = 7.103$ px

$y_c = 6.299$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29820.0676

Standard deviation: 9.85565

$R^2: 0.98999$

Parameters:

$a = 115.27200$

$b = 792.01707$

$c = 17.43551$

$d = 0.83562$

Bead 859

Date : Mon Oct 17 13:51:36 PDT 2022

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

Frame size : 12 pixels

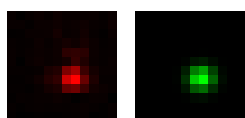
Coordinates : -76.2 μm (x), -25.6 μm (y), 17.5 μm (z)

Corresponding bead : Not found

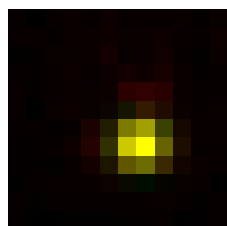
FWHM	Non corrected	Corrected	Theoretical
min	449 nm	467 nm	270 nm
max	476 nm	496 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.941		
Theta	8.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 555.238 (brightness)

B = 123.535 (background)

a = 0.593 px

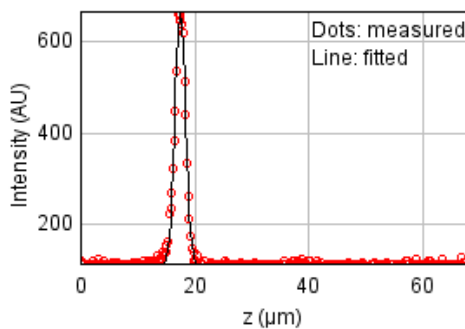
b = 0.011 px

c = 0.665 px

xc = 6.706 px

yc = 6.854 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22513.3275

Standard deviation: 8.56349

R^2 : 0.98960

Parameters:

a = 113.24914

b = 667.76448

c = 17.52788

d = 0.90808

Bead 860

Date : Mon Oct 17 13:51:36 PDT 2022

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

Frame size : 12 pixels

Coordinates : 20.0 μm (x), -27.9 μm (y), 34.1 μm (z)

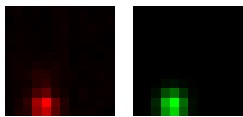
Corresponding bead : Not found



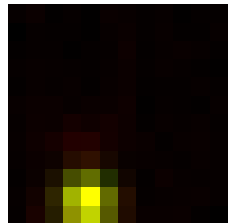
FWHM	Non corrected	Corrected	Theoretical
min	466 nm	485 nm	270 nm
max	508 nm	529 nm	270 nm
z	1.82 μm	1.83 μm	1.3 μm
Asymmetry	0.918		
Theta	-86.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 627.390$ (brightness)

$B = 128.861$ (background)

$a = 0.618$ px

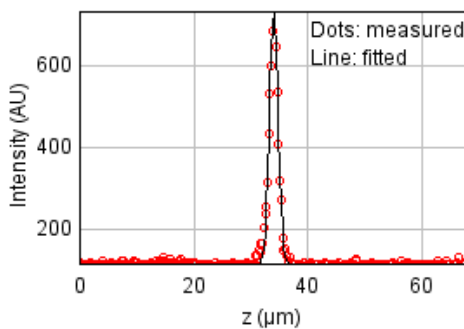
$b = -0.006$ px

$c = 0.521$ px

$x_c = 3.792$ px

$y_c = 10.314$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28547.4108

Standard deviation: 9.64304

$R^2: 0.98763$

Parameters:

$a = 115.74704$

$b = 733.72863$

$c = 34.10498$

$d = 0.77216$

Bead 861

Date : Mon Oct 17 13:51:36 PDT 2022

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

Frame size : 12 pixels

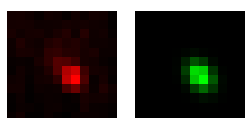
Coordinates : 135 μm (x), -34.6 μm (y), 17.3 μm (z)

Corresponding bead : Not found

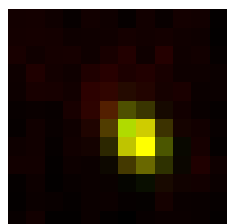
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	553 nm	576 nm	270 nm
z	2.5 μm	2.51 μm	1.3 μm
Asymmetry	0.744		
Theta	-54.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.920$



Parameters:

A = 341.089 (brightness)

B = 118.873 (background)

a = 0.672 px

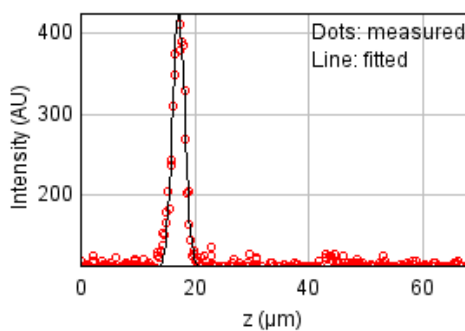
b = -0.168 px

c = 0.560 px

xc = 6.590 px

yc = 6.574 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25882.9909

Standard deviation: 9.18202

R^2 : 0.96843

Parameters:

a = 112.07382

b = 425.63055

c = 17.25464

d = 1.06121

Bead 862

Date : Mon Oct 17 13:51:37 PDT 2022

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

Frame size : 12 pixels

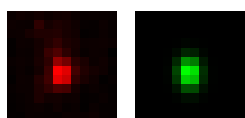
Coordinates : 46.3 μm (x), -35.4 μm (y), 13.3 μm (z)

Corresponding bead : Not found

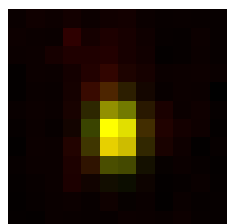
FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	589 nm	613 nm	270 nm
z	2.27 μm	2.28 μm	1.3 μm
Asymmetry	0.727		
Theta	-87.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 507.325 (brightness)

B = 122.840 (background)

a = 0.732 px

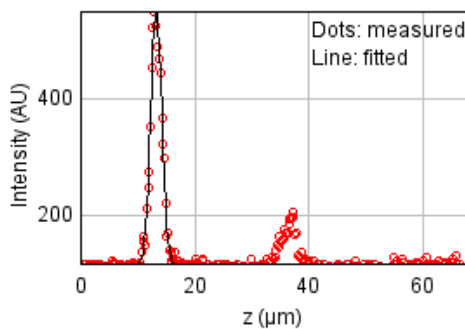
b = -0.016 px

c = 0.388 px

xc = 5.413 px

yc = 6.256 px

Z profile & fitting parameters:



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

Sum of residuals squared: 87141.3296

Standard deviation: 16.84779

R^2 : 0.94043

Parameters:

a = 118.05836

b = 550.00375

c = 13.32272

d = 0.96374

Bead 863

Date : Mon Oct 17 13:51:37 PDT 2022

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

Frame size : 12 pixels

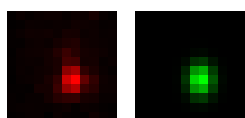
Coordinates : 62.2 μm (x), -90.5 μm (y), 17.3 μm (z)

Corresponding bead : Not found

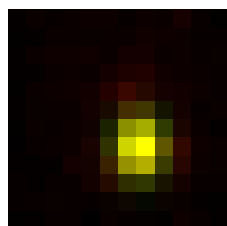
FWHM	Non corrected	Corrected	Theoretical
min	460 nm	479 nm	270 nm
max	590 nm	615 nm	270 nm
z	2.1 μm	2.1 μm	1.3 μm
Asymmetry	0.779		
Theta	89.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 476.790$ (brightness)

$B = 120.879$ (background)

$a = 0.634$ px

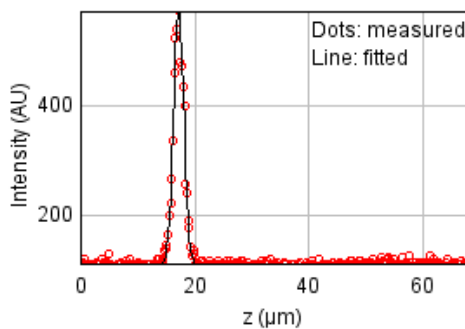
$b = 0.001$ px

$c = 0.385$ px

$x_c = 6.645$ px

$y_c = 7.006$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23302.6346

Standard deviation: 8.71231

$R^2: 0.98414$

Parameters:

$a = 113.23810$

$b = 573.14228$

$c = 17.26092$

$d = 0.89001$

Bead 864 (Rejected)

Date : Mon Oct 17 13:51:37 PDT 2022

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

Frame size : 12 pixels

Coordinates : 109 um (x), 43.0 um (y), 17.7 um (z)

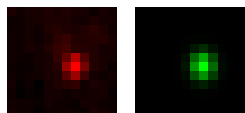
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

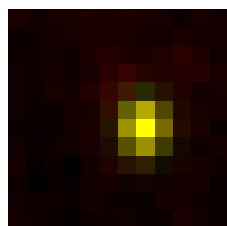
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	519 nm	540 nm	270 nm
z	1.7 um	1.7 um	1.3 um
Asymmetry	0.834		
Theta	-89.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 278.819 (brightness)

B = 116.315 (background)

a = 0.718 px

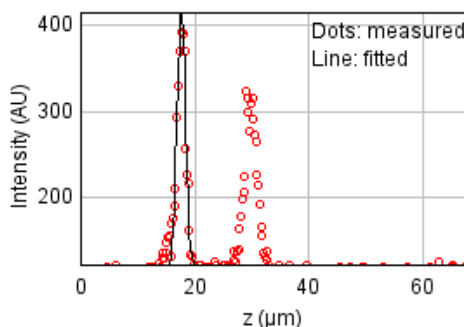
b = -0.002 px

c = 0.499 px

xc = 6.883 px

yc = 5.914 px

Z profile & fitting parameters:



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

Sum of residuals squared: 384481.036

Standard deviation: 35.38900

R^2 : 0.55830

Parameters:

a = 122.09605

b = 417.16310

c = 17.71637

d = 0.71995

Bead 865

Date : Mon Oct 17 13:51:37 PDT 2022

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

Frame size : 12 pixels

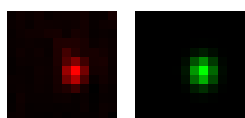
Coordinates : 107 um (x), 5.14 um (y), 18.1 um (z)

Corresponding bead : Not found

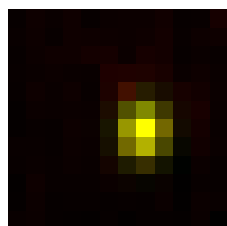
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	522 nm	543 nm	270 nm
z	1.98 um	1.99 um	1.3 um
Asymmetry	0.829		
Theta	89.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 563.146 (brightness)

B = 121.314 (background)

a = 0.718 px

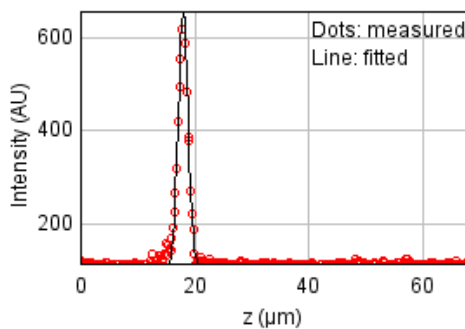
b = 0.002 px

c = 0.493 px

xc = 6.865 px

yc = 6.127 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28832.1593

Standard deviation: 9.69102

R^2 : 0.98511

Parameters:

a = 112.72473

b = 655.20711

c = 18.05503

d = 0.84143

Bead 866

Date : Mon Oct 17 13:51:37 PDT 2022

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

Frame size : 12 pixels

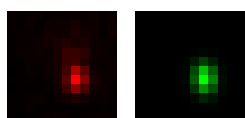
Coordinates : -4.38 μm (x), -1.61 μm (y), 17.9 μm (z)

Corresponding bead : Not found

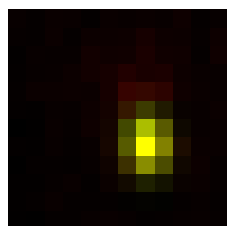
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	552 nm	575 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.716		
Theta	-85.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 523.927$ (brightness)

$B = 123.465$ (background)

$a = 0.857$ px

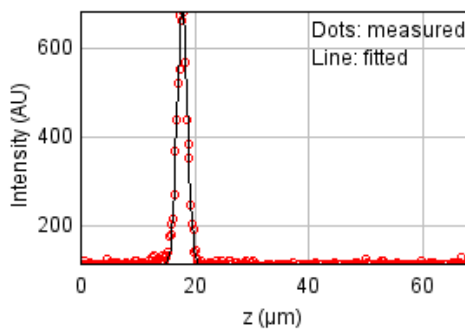
$b = -0.031$ px

$c = 0.443$ px

$x_c = 7.094$ px

$y_c = 6.838$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26712.4845

Standard deviation: 9.32799

$R^2 = 0.98828$

Parameters:

$a = 114.28393$

$b = 685.34951$

$c = 17.88738$

$d = 0.89994$

Bead 867

Date : Mon Oct 17 13:51:37 PDT 2022

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

Frame size : 12 pixels

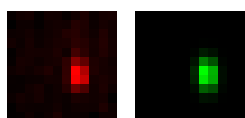
Coordinates : -27.4 μm (x), -3.5 μm (y), 17.0 μm (z)

Corresponding bead : Not found

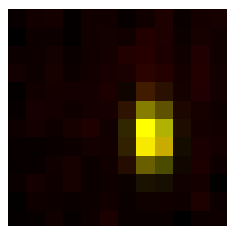
FWHM	Non corrected	Corrected	Theoretical
min	344 nm	358 nm	270 nm
max	580 nm	604 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.592		
Theta	-87.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 307.126$ (brightness)

$B = 117.527$ (background)

$a = 1.135$ px

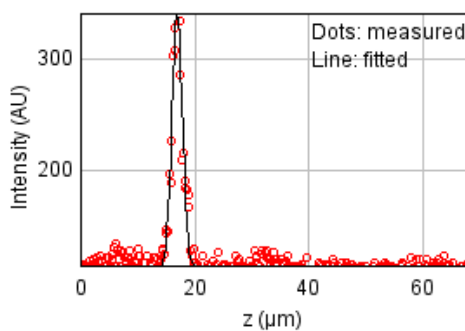
$b = -0.031$ px

$c = 0.400$ px

$x_c = 7.351$ px

$y_c = 6.414$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25220.8199

Standard deviation: 9.06380

$R^2: 0.93420$

Parameters:

$a = 114.51343$

$b = 340.80139$

$c = 16.99386$

$d = 0.91141$

Bead 868

Date : Mon Oct 17 13:51:37 PDT 2022

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

Frame size : 12 pixels

Coordinates : 57.7 μm (x), -10.4 μm (y), 17.5 μm (z)

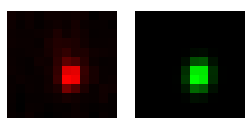
Corresponding bead : Not found



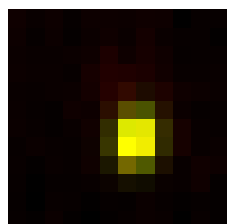
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	520 nm	542 nm	270 nm
z	2.34 μm	2.35 μm	1.3 μm
Asymmetry	0.777		
Theta	84.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 668.416 (brightness)

B = 125.531 (background)

a = 0.818 px

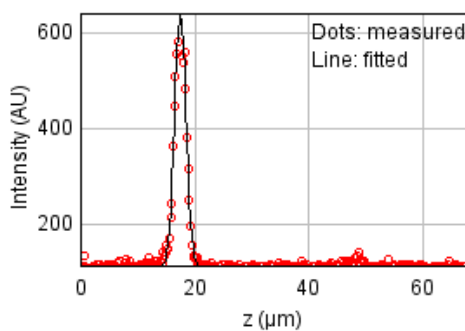
b = 0.034 px

c = 0.499 px

xc = 6.471 px

yc = 6.562 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32008.4256

Standard deviation: 10.21088

R^2 : 0.98512

Parameters:

a = 113.77693

b = 642.44614

c = 17.53756

d = 0.99289

Bead 869

Date : Mon Oct 17 13:51:38 PDT 2022

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

Frame size : 12 pixels

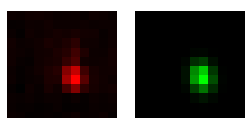
Coordinates : -29.7 μm (x), -13.2 μm (y), 17.7 μm (z)

Corresponding bead : Not found

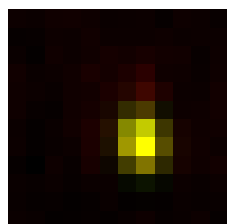
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	519 nm	540 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.759		
Theta	-80.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 558.511 (brightness)

B = 123.779 (background)

a = 0.856 px

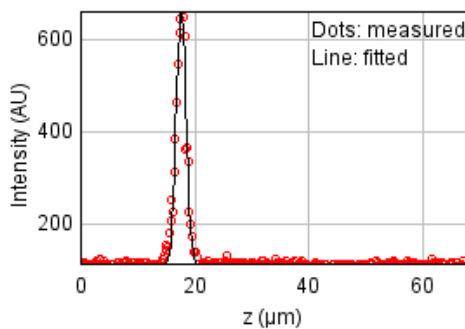
b = -0.062 px

c = 0.509 px

$x_c = 6.782$ px

$y_c = 6.700$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 42711.7452

Standard deviation: 11.79518

R^2 : 0.97906

Parameters:

a = 113.96792

b = 665.06678

c = 17.69265

d = 0.85424

Bead 870 (Rejected)

Date : Mon Oct 17 13:51:38 PDT 2022

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

Frame size : 12 pixels

Coordinates : -163 μm (x), -17.9 μm (y), 16.2 μm (z)

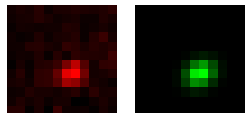
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

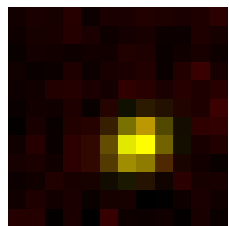
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	464 nm	270 nm
max	550 nm	573 nm	270 nm
z	3.29 μm	3.3 μm	1.3 μm
Asymmetry	0.81		
Theta	32.0°		

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 = 139.856 (brightness)

B = 113.792 (background)

a = 0.509 px

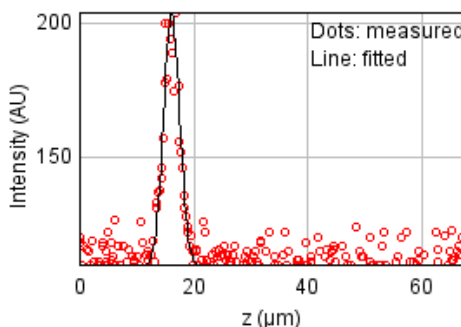
b = 0.105 px

c = 0.612 px

xc = 6.585 px

yc = 6.987 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13660.5257

Standard deviation: 6.67059

R^2 : 0.87139

Parameters:

a = 109.51812

b = 203.75693

c = 16.20483

d = 1.39552

Bead 871

Date : Mon Oct 17 13:51:38 PDT 2022

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

Frame size : 12 pixels

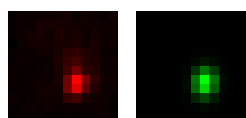
Coordinates : 110 μm (x), -17.8 μm (y), 17.7 μm (z)

Corresponding bead : Not found

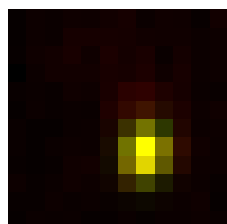
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	525 nm	547 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.775		
Theta	83.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 451.110$ (brightness)

$B = 121.126$ (background)

$a = 0.807$ px

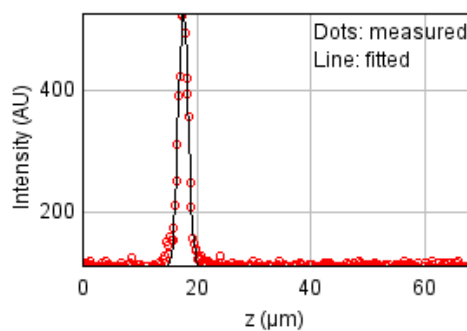
$b = 0.034$ px

$c = 0.491$ px

$x_c = 6.980$ px

$y_c = 7.315$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24373.8065

Standard deviation: 8.91030

$R^2: 0.97918$

Parameters:

$a = 112.03756$

$b = 528.67190$

$c = 17.71582$

$d = 0.85831$

Bead 872 (Rejected)

Date : Mon Oct 17 13:51:38 PDT 2022

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

Frame size : 12 pixels

Coordinates : 154 μm (x), -33.8 μm (y), 16.0 μm (z)

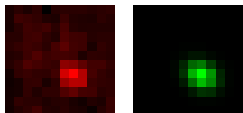
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

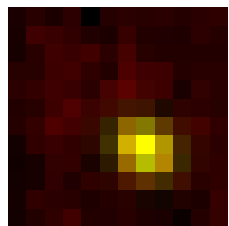
FWHM	Non corrected	Corrected	Theoretical
min	474 nm	493 nm	270 nm
max	592 nm	616 nm	270 nm
z	2.88 μm	2.89 μm	1.3 μm
Asymmetry	0.8		
Theta	-35.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.826$



Parameters:

A = 127.079 (brightness)

B = 116.206 (background)

a = 0.454 px

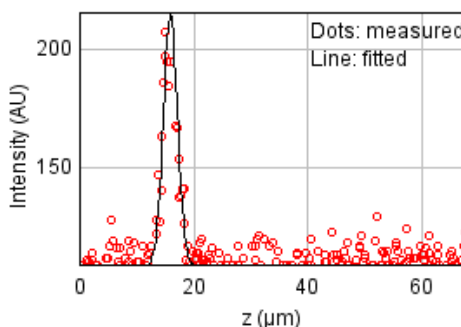
b = -0.101 px

c = 0.527 px

xc = 6.951 px

yc = 7.200 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17017.7812

Standard deviation: 7.44530

R^2 : 0.85800

Parameters:

a = 109.52275

b = 215.13663

c = 15.98399

d = 1.22242

Bead 873

Date : Mon Oct 17 13:51:38 PDT 2022

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

Frame size : 12 pixels

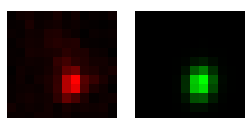
Coordinates : 103 μm (x), -71.0 μm (y), 17.6 μm (z)

Corresponding bead : Not found

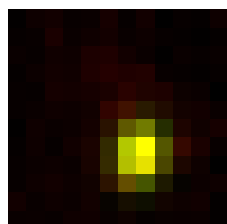
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	465 nm	270 nm
max	565 nm	588 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.791		
Theta	81.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 327.643$ (brightness)

$B = 120.426$ (background)

$a = 0.667$ px

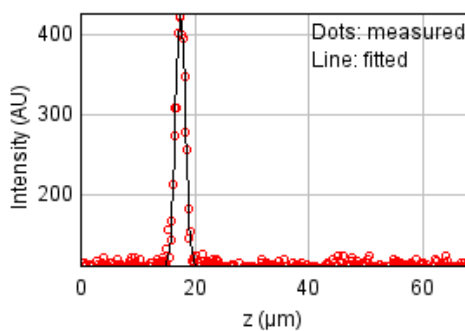
$b = 0.039$ px

$c = 0.427$ px

$x_c = 6.660$ px

$y_c = 7.384$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 16400.1801

Standard deviation: 7.30895

$R^2: 0.97526$

Parameters:

$a = 111.61293$

$b = 425.89203$

$c = 17.56758$

$d = 0.85015$

Bead 874

Date : Mon Oct 17 13:51:38 PDT 2022

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

Frame size : 12 pixels

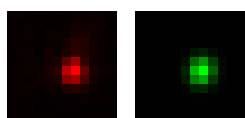
Coordinates : -116 μm (x), -80.2 μm (y), 18.0 μm (z)

Corresponding bead : Not found

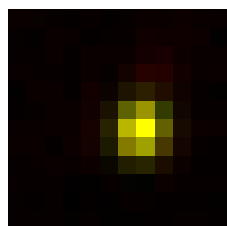
FWHM	Non corrected	Corrected	Theoretical
min	448 nm	467 nm	270 nm
max	519 nm	540 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.864		
Theta	78.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 641.456 (brightness)

B = 121.323 (background)

a = 0.662 px

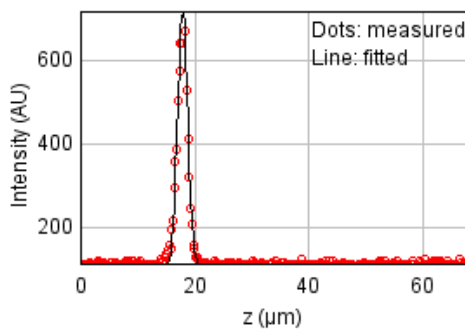
b = 0.033 px

c = 0.505 px

$x_c = 6.755$ px

$y_c = 6.057$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 34224.7629

Standard deviation: 10.55847

R^2 : 0.98627

Parameters:

a = 113.56884

b = 720.03833

c = 17.96017

d = 0.86944

Bead 875 (Rejected)

Date : Mon Oct 17 13:51:39 PDT 2022

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

Frame size : 12 pixels

Coordinates : -60.7 μm (x), -83.1 μm (y), 13.7 μm (z)

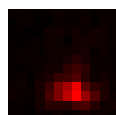
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.66 μm	3.68 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

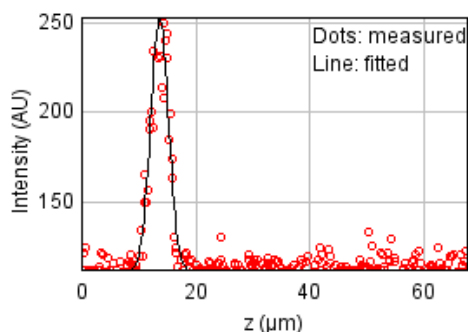
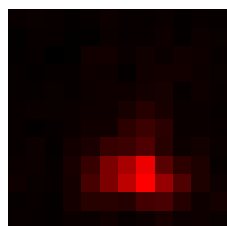
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 20224.3203

Standard deviation: 8.11648

R²: 0.91770

Parameters:

a = 112.73678

b = 252.71191

c = 13.74148

d = 1.55506

Bead 876

Date : Mon Oct 17 13:51:39 PDT 2022

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

Frame size : 12 pixels

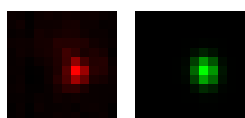
Coordinates : 124 μm (x), -88.8 μm (y), 18.3 μm (z)

Corresponding bead : Not found

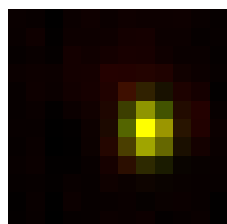
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	527 nm	549 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.811		
Theta	-83.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 419.835 (brightness)

B = 122.356 (background)

a = 0.731 px

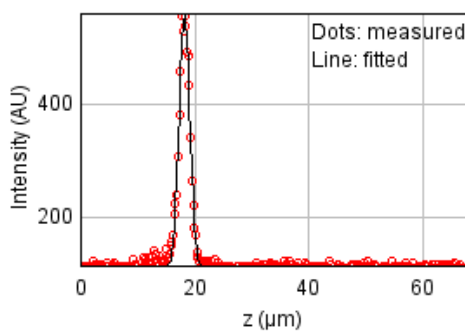
b = -0.028 px

c = 0.487 px

xc = 7.138 px

yc = 6.063 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24353.9138

Standard deviation: 8.90667

R^2 : 0.98328

Parameters:

a = 112.08820

b = 559.96503

c = 18.28285

d = 0.93158

Bead 877

Date : Mon Oct 17 13:51:39 PDT 2022

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

Frame size : 12 pixels

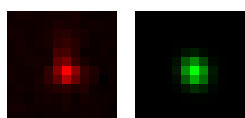
Coordinates : -6.16 μm (x), -91.2 μm (y), 17.6 μm (z)

Corresponding bead : Not found

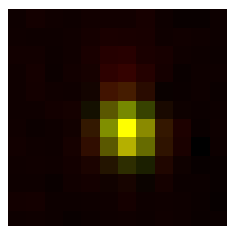
FWHM	Non corrected	Corrected	Theoretical
min	463 nm	482 nm	270 nm
max	536 nm	558 nm	270 nm
z	1.93 μm	1.93 μm	1.3 μm
Asymmetry	0.864		
Theta	-65.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 410.697$ (brightness)

$B = 119.873$ (background)

$a = 0.599$ px

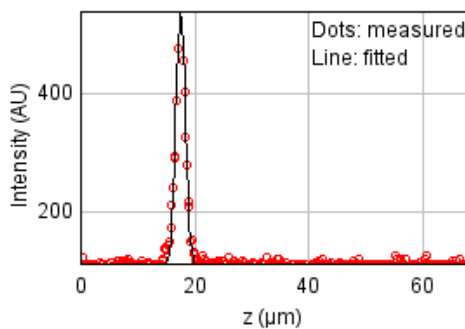
$b = -0.060$ px

$c = 0.495$ px

$x_c = 5.997$ px

$y_c = 6.126$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22713.1173

Standard deviation: 8.60140

$R^2: 0.98045$

Parameters:

$a = 113.10225$

$b = 537.93811$

$c = 17.59573$

$d = 0.81821$

Bead 878

Date : Mon Oct 17 13:51:39 PDT 2022

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

Frame size : 12 pixels

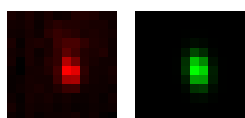
Coordinates : 57.3 μm (x), 83.1 μm (y), 17.6 μm (z)

Corresponding bead : Not found

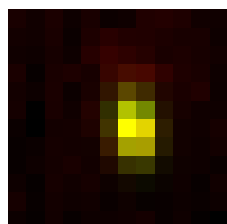
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	615 nm	641 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.625		
Theta	-81.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 311.746$ (brightness)

$B = 120.231$ (background)

$a = 0.894$ px

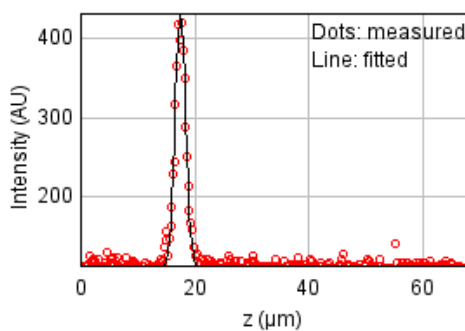
$b = -0.085$ px

$c = 0.368$ px

$x_c = 6.391$ px

$y_c = 5.962$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19417.4901

Standard deviation: 7.95293

$R^2: 0.97316$

Parameters:

$a = 113.24325$

$b = 430.83043$

$c = 17.55725$

$d = 0.90979$

Bead 879 (Rejected)

Date : Mon Oct 17 13:51:39 PDT 2022

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

Frame size : 12 pixels

Coordinates : 58.6 μm (x), 67.9 μm (y), 14.2 μm (z)

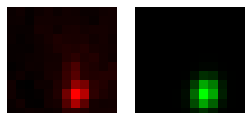
Corresponding bead : Not found

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

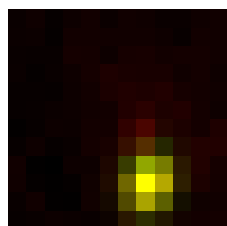
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	463 nm	270 nm
max	566 nm	590 nm	270 nm
z	4.21 μm	4.23 μm	1.3 μm
Asymmetry	0.786		
Theta	76.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 407.114 (brightness)

B = 130.164 (background)

a = 0.664 px

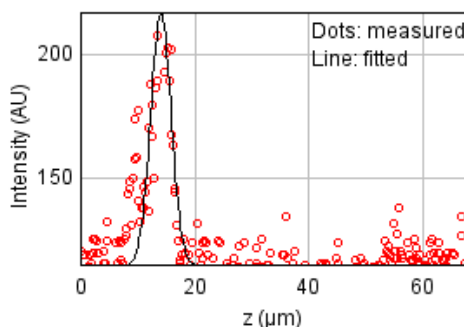
b = 0.060 px

c = 0.433 px

xc = 7.189 px

yc = 8.966 px

Z profile & fitting parameters:



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

Sum of residuals squared: 36453.9214

Standard deviation: 10.89690

R^2 : 0.78877

Parameters:

a = 114.77645

b = 216.84827

c = 14.15849

d = 1.78924

Bead 880

Date : Mon Oct 17 13:51:39 PDT 2022

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

Frame size : 12 pixels

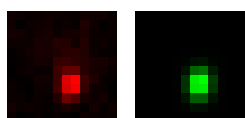
Coordinates : 54.7 um (x), 49.1 um (y), 17.7 um (z)

Corresponding bead : Not found

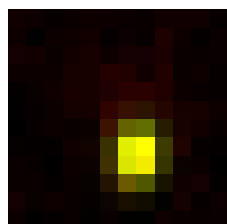
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	543 nm	565 nm	270 nm
z	2.38 um	2.39 um	1.3 um
Asymmetry	0.773		
Theta	85.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 317.663 (brightness)

B = 120.417 (background)

a = 0.762 px

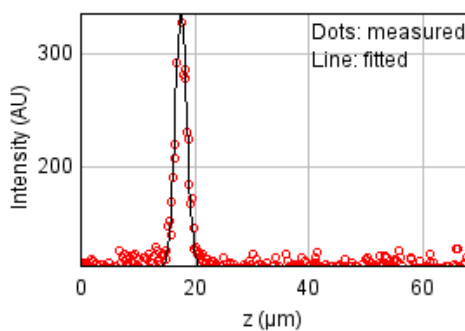
b = 0.023 px

c = 0.457 px

xc = 6.531 px

yc = 7.439 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19575.0305

Standard deviation: 7.98513

R^2 : 0.95092

Parameters:

a = 112.98896

b = 334.86174

c = 17.66123

d = 1.00967

Bead 881 (Rejected)

Date : Mon Oct 17 13:51:39 PDT 2022

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

Frame size : 12 pixels

Coordinates : -21.7 μm (x), 47.8 μm (y), 17.2 μm (z)

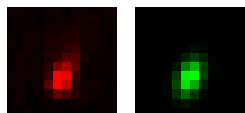
Corresponding bead : Not found

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

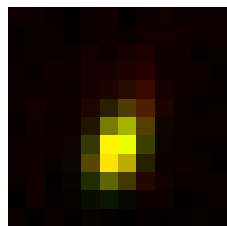
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	659 nm	687 nm	270 nm
z	3.2 μm	3.21 μm	1.3 μm
Asymmetry	0.626		
Theta	68.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 536.591 (brightness)

B = 127.430 (background)

a = 0.722 px

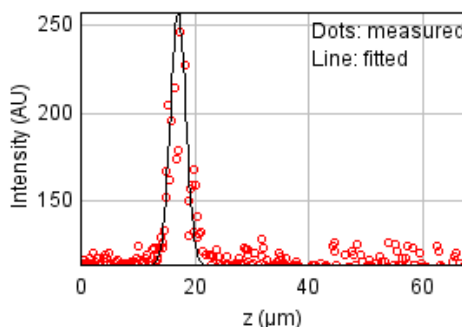
b = 0.166 px

c = 0.375 px

xc = 5.484 px

yc = 7.193 px

Z profile & fitting parameters:



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

Sum of residuals squared: 82636.0814

Standard deviation: 16.40649

R^2 : 0.71844

Parameters:

a = 113.26625

b = 257.22382

c = 17.16628

d = 1.35957

Bead 882

Date : Mon Oct 17 13:51:40 PDT 2022

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

Frame size : 12 pixels

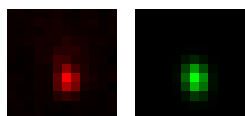
Coordinates : 24.4 μm (x), 26.5 μm (y), 18.1 μm (z)

Corresponding bead : Not found

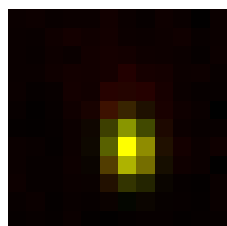
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	555 nm	578 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.74		
Theta	-81.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 541.143 (brightness)

B = 125.140 (background)

a = 0.789 px

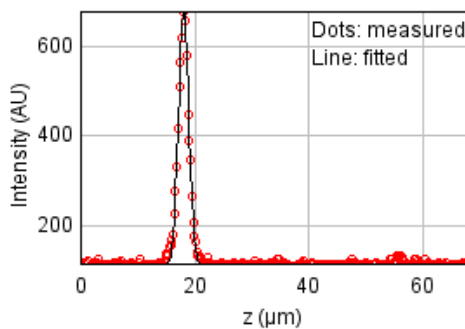
b = -0.055 px

c = 0.445 px

xc = 6.126 px

yc = 7.117 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24125.8004

Standard deviation: 8.86486

R^2 : 0.98908

Parameters:

a = 114.32067

b = 678.83530

c = 18.13449

d = 0.89261

Bead 883

Date : Mon Oct 17 13:51:40 PDT 2022

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

Frame size : 12 pixels

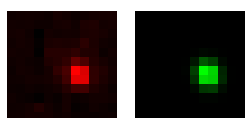
Coordinates : -30.7 μm (x), 22.0 μm (y), 17.8 μm (z)

Corresponding bead : Not found

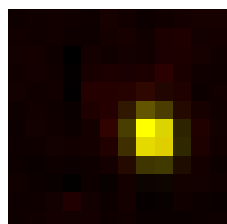
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	419 nm	270 nm
max	471 nm	490 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.856		
Theta	-70.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 440.161$ (brightness)

$B = 119.703$ (background)

$a = 0.804$ px

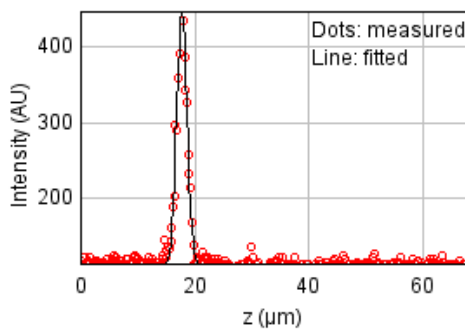
$b = -0.069$ px

$c = 0.630$ px

$x_c = 7.418$ px

$y_c = 6.419$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18988.8412

Standard deviation: 7.86466

$R^2: 0.97562$

Parameters:

$a = 113.80291$

$b = 446.24446$

$c = 17.81960$

$d = 0.89544$

Bead 884

Date : Mon Oct 17 13:51:40 PDT 2022

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

Frame size : 12 pixels

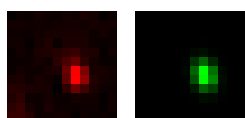
Coordinates : 108 μm (x), 6.6 μm (y), 17.6 μm (z)

Corresponding bead : Not found

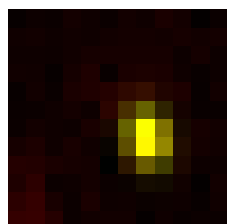
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	537 nm	559 nm	270 nm
z	2.28 μm	2.29 μm	1.3 μm
Asymmetry	0.717		
Theta	-76.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 395.889$ (brightness)

$B = 125.701$ (background)

$a = 0.881$ px

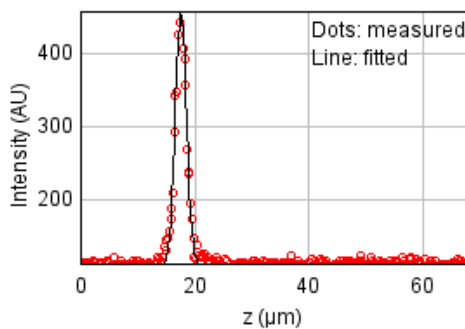
$b = -0.103$ px

$c = 0.492$ px

$x_c = 7.094$ 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: 16736.4995

Standard deviation: 7.38351

$R^2 = 0.98163$

Parameters:

$a = 111.20463$

$b = 458.69065$

$c = 17.64533$

$d = 0.96838$

Bead 885

Date : Mon Oct 17 13:51:40 PDT 2022

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

Frame size : 12 pixels

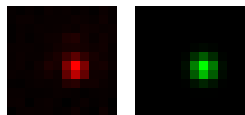
Coordinates : -123 μm (x), -609 nm (y), 18.1 μm (z)

Corresponding bead : Not found

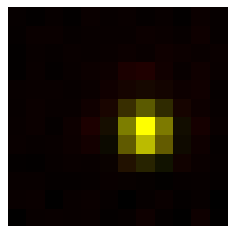
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	446 nm	464 nm	270 nm
z	2.35 μm	2.36 μm	1.3 μm
Asymmetry	0.962		
Theta	-77.3°		

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:

$A = 547.032$ (brightness)

$B = 119.918$ (background)

$a = 0.727$ px

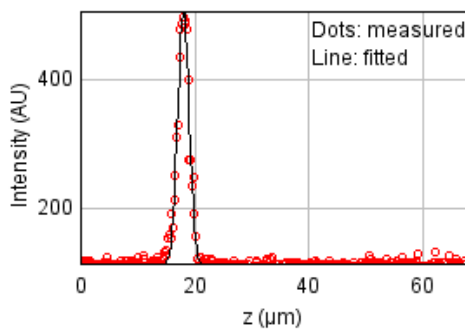
$b = -0.012$ px

$c = 0.677$ px

$x_c = 6.993$ px

$y_c = 6.268$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27574.0180

Standard deviation: 9.47722

$R^2: 0.97735$

Parameters:

$a = 112.20658$

$b = 507.29793$

$c = 18.10119$

$d = 0.99818$

Bead 886

Date : Mon Oct 17 13:51:40 PDT 2022

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

Frame size : 12 pixels

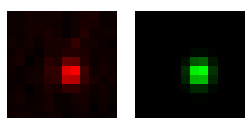
Coordinates : -131 μm (x), -4.79 μm (y), 17.7 μm (z)

Corresponding bead : Not found

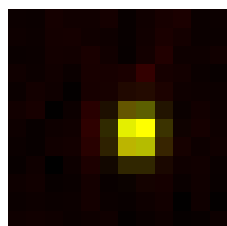
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	418 nm	270 nm
max	457 nm	476 nm	270 nm
z	2.19 μm	2.19 μm	1.3 μm
Asymmetry	0.879		
Theta	84.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 385.603$ (brightness)

$B = 118.662$ (background)

$a = 0.831$ px

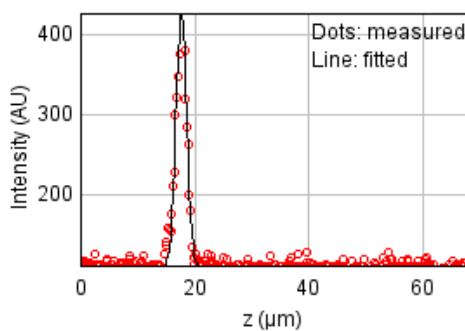
$b = 0.017$ px

$c = 0.645$ px

$x_c = 6.535$ px

$y_c = 6.276$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20277.4881

Standard deviation: 8.12714

$R^2: 0.97226$

Parameters:

$a = 111.74664$

$b = 427.81283$

$c = 17.73031$

$d = 0.92804$

Bead 887 (Rejected)

Date : Mon Oct 17 13:51:40 PDT 2022

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

Frame size : 12 pixels

Coordinates : -51.5 μm (x), -10.6 μm (y), 15.2 μm (z)

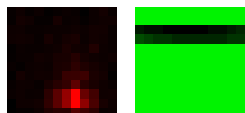
Corresponding bead : Not found

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

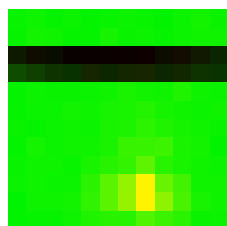
FWHM	Non corrected	Corrected	Theoretical
min	136 nm	142 nm	270 nm
max	4.92 μm	5.12 μm	270 nm
z	3.81 μm	3.83 μm	1.3 μm
Asymmetry	0.028		
Theta	-0.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.032$



Parameters:

A = -110.098 (brightness)

B = 142.210 (background)

a = -0.006 px

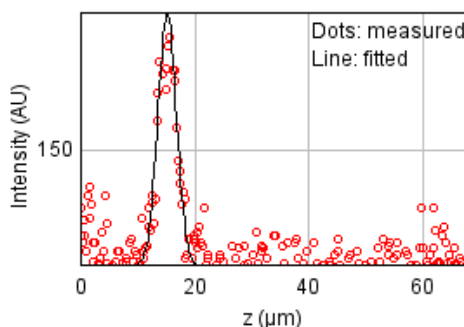
b = -0.009 px

c = 7.267 px

xc = 5.765 px

yc = 2.489 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16148.0632

Standard deviation: 7.25256

R^2 : 0.82923

Parameters:

a = 113.38422

b = 194.43651

c = 15.23573

d = 1.61849

Bead 888

Date : Mon Oct 17 13:51:40 PDT 2022

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

Frame size : 12 pixels

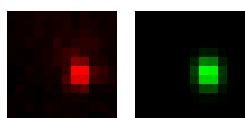
Coordinates : 97.6 μm (x), -27.5 μm (y), 14.1 μm (z)

Corresponding bead : Not found

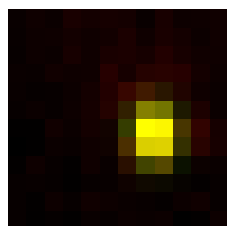
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	547 nm	569 nm	270 nm
z	2.35 μm	2.36 μm	1.3 μm
Asymmetry	0.781		
Theta	-85.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 366.283 (brightness)

B = 120.504 (background)

a = 0.734 px

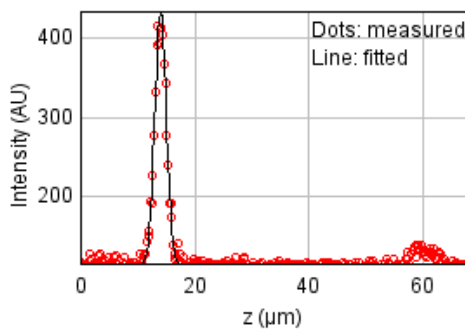
b = -0.023 px

c = 0.451 px

xc = 7.484 px

yc = 6.293 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 889

Date : Mon Oct 17 13:51:40 PDT 2022

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

Frame size : 12 pixels

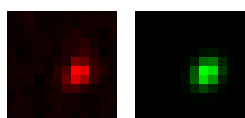
Coordinates : -90.6 μm (x), -89.1 μm (y), 17.5 μm (z)

Corresponding bead : Not found

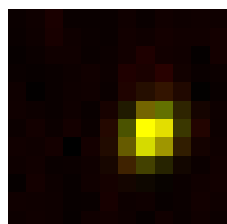
FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	544 nm	566 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.798		
Theta	55.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 312.198$ (brightness)

$B = 119.105$ (background)

$a = 0.629$ px

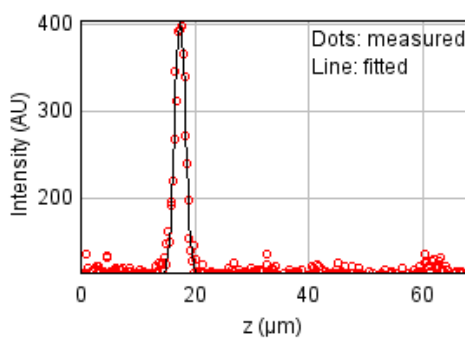
$b = 0.122$ px

$c = 0.538$ px

$x_c = 7.337$ px

$y_c = 6.285$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21073.8129

Standard deviation: 8.28519

$R^2: 0.96648$

Parameters:

$a = 113.72072$

$b = 406.26820$

$c = 17.50196$

$d = 0.92614$

Bead 890

Date : Mon Oct 17 13:51:40 PDT 2022

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

Frame size : 12 pixels

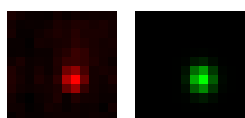
Coordinates : -115 μm (x), 57.5 μm (y), 17.8 μm (z)

Corresponding bead : Not found

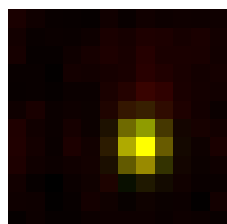
FWHM	Non corrected	Corrected	Theoretical
min	431 nm	449 nm	270 nm
max	490 nm	510 nm	270 nm
z	2.26 μm	2.27 μm	1.3 μm
Asymmetry	0.88		
Theta	-86.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.920$



Parameters:

$A = 274.787$ (brightness)

$B = 119.433$ (background)

$a = 0.721$ px

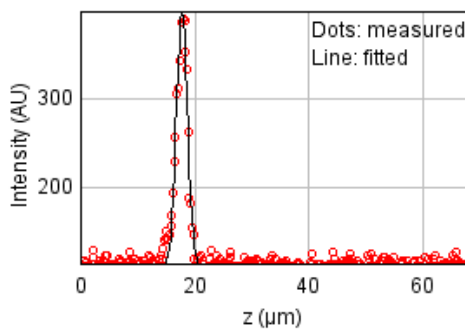
$b = -0.009$ px

$c = 0.559$ px

$x_c = 6.782$ px

$y_c = 6.942$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21062.0981

Standard deviation: 8.28288

$R^2: 0.96626$

Parameters:

$a = 113.27828$

$b = 399.77835$

$c = 17.83159$

$d = 0.96047$

Bead 891

Date : Mon Oct 17 13:51:41 PDT 2022

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

Frame size : 12 pixels

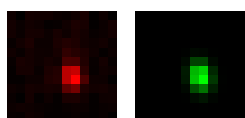
Coordinates : -80.2 μm (x), 57.2 μm (y), 17.7 μm (z)

Corresponding bead : Not found

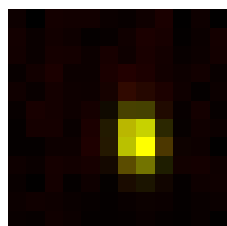
FWHM	Non corrected	Corrected	Theoretical
min	383 nm	399 nm	270 nm
max	530 nm	552 nm	270 nm
z	2.35 μm	2.36 μm	1.3 μm
Asymmetry	0.722		
Theta	-80.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 354.857$ (brightness)

$B = 119.555$ (background)

$a = 0.904$ px

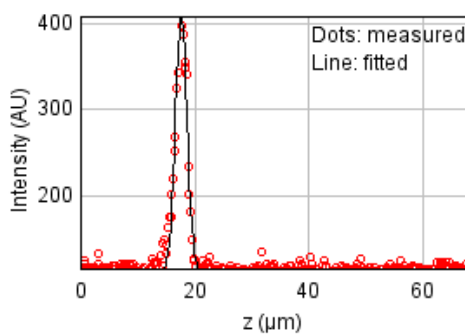
$b = -0.072$ px

$c = 0.490$ px

$x_c = 6.626$ px

$y_c = 6.644$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22536.3958

Standard deviation: 8.56787

$R^2: 0.96726$

Parameters:

$a = 114.30611$

$b = 409.61679$

$c = 17.70424$

$d = 1.00001$

Bead 892 (Rejected)

Date : Mon Oct 17 13:51:41 PDT 2022

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

Frame size : 12 pixels

Coordinates : 66.9 μm (x), 43.2 μm (y), 13.4 μm (z)

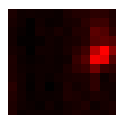
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	4.22 μm	4.24 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

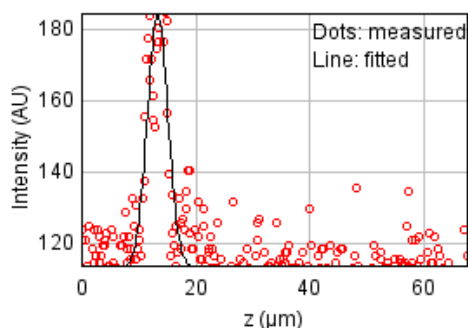
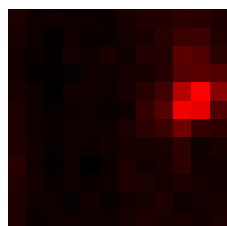
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 22468.5220

Standard deviation: 8.55496

R²: 0.74486

Parameters:

a = 113.66076

b = 184.47268

c = 13.40886

d = 1.79160

Bead 893 (Rejected)

Date : Mon Oct 17 13:51:41 PDT 2022

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

Frame size : 12 pixels

Coordinates : -4.41 μm (x), 17.6 μm (y), 15.1 μm (z)

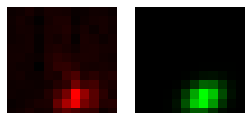
Corresponding bead : Not found

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

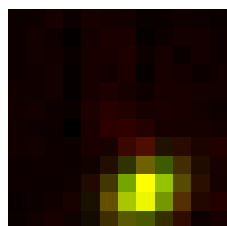
FWHM	Non corrected	Corrected	Theoretical
min	491 nm	512 nm	270 nm
max	679 nm	707 nm	270 nm
z	3.68 μm	3.7 μm	1.3 μm
Asymmetry	0.724		
Theta	27.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 310.784 (brightness)

B = 119.201 (background)

a = 0.347 px

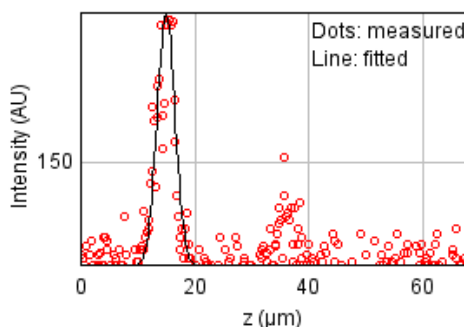
b = 0.108 px

c = 0.500 px

xc = 6.968 px

yc = 9.472 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23078.9083

Standard deviation: 8.67039

R^2 : 0.78174

Parameters:

a = 115.48727

b = 200.02930

c = 15.05731

d = 1.56337

Bead 894 (Rejected)

Date : Mon Oct 17 13:51:41 PDT 2022

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

Frame size : 12 pixels

Coordinates : 71.7 μm (x), 12.8 μm (y), 14.8 μm (z)

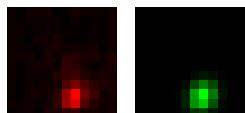
Corresponding bead : Not found

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

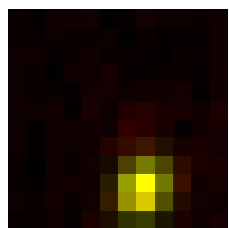
FWHM	Non corrected	Corrected	Theoretical
min	454 nm	473 nm	270 nm
max	546 nm	569 nm	270 nm
z	3.39 μm	3.4 μm	1.3 μm
Asymmetry	0.832		
Theta	63.7°		

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 = 284.172 (brightness)

B = 122.191 (background)

a = 0.611 px

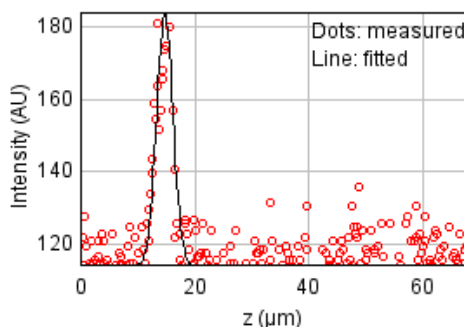
b = 0.080 px

c = 0.489 px

xc = 6.857 px

yc = 9.269 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17939.6224

Standard deviation: 7.64430

R^2 : 0.74334

Parameters:

a = 114.28922

b = 183.92980

c = 14.83267

d = 1.43789

Bead 895

Date : Mon Oct 17 13:51:41 PDT 2022

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

Frame size : 12 pixels

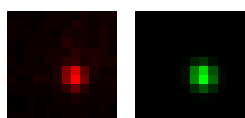
Coordinates : -151 um (x), 8.55 um (y), 17.6 um (z)

Corresponding bead : Not found

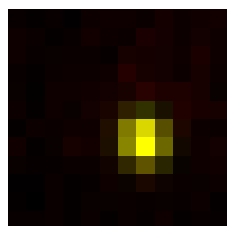
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	461 nm	480 nm	270 nm
z	2.3 um	2.31 um	1.3 um
Asymmetry	0.891		
Theta	-72.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 343.838 (brightness)

B = 115.605 (background)

a = 0.779 px

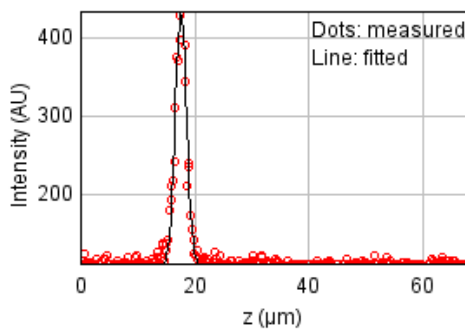
b = -0.048 px

c = 0.647 px

xc = 6.895 px

yc = 6.629 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25412.4623

Standard deviation: 9.09817

R^2 : 0.96817

Parameters:

a = 111.07243

b = 432.88810

c = 17.64825

d = 0.97627

Bead 896

Date : Mon Oct 17 13:51:41 PDT 2022

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

Frame size : 12 pixels

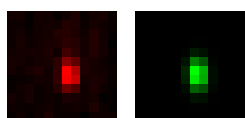
Coordinates : -27.4 μm (x), -3.5 μm (y), 17.0 μm (z)

Corresponding bead : Not found

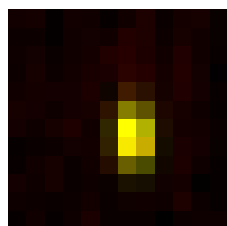
FWHM	Non corrected	Corrected	Theoretical
min	344 nm	358 nm	270 nm
max	580 nm	604 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.592		
Theta	-87.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 307.106$ (brightness)

$B = 117.502$ (background)

$a = 1.135$ px

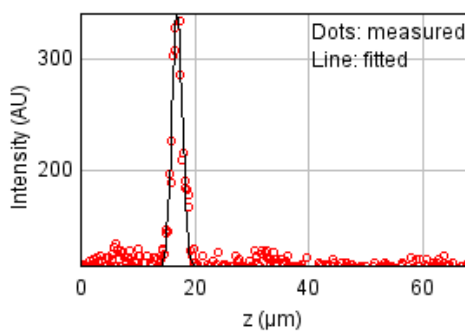
$b = -0.031$ px

$c = 0.400$ px

$x_c = 6.350$ px

$y_c = 6.414$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25220.8199

Standard deviation: 9.06380

$R^2: 0.93420$

Parameters:

$a = 114.51343$

$b = 340.80139$

$c = 16.99386$

$d = 0.91141$

Bead 897 (Rejected)

Date : Mon Oct 17 13:51:42 PDT 2022

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

Frame size : 12 pixels

Coordinates : 159 μm (x), -25.2 μm (y), 18.7 μm (z)

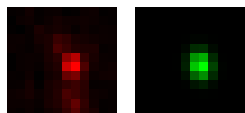
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

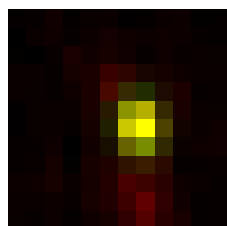
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	528 nm	550 nm	270 nm
z	2.45 μm	2.46 μm	1.3 μm
Asymmetry	0.772		
Theta	-81.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.812$



Parameters:

A = 411.194 (brightness)

B = 138.574 (background)

a = 0.799 px

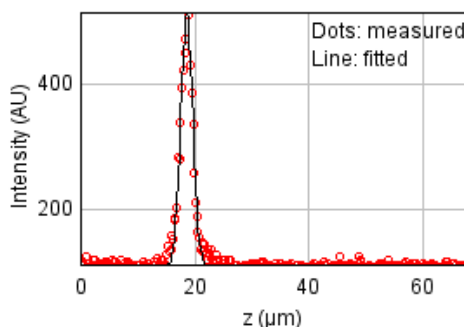
b = -0.048 px

c = 0.488 px

xc = 6.650 px

yc = 5.855 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28897.6501

Standard deviation: 9.70202

R^2 : 0.97825

Parameters:

a = 110.88190

b = 515.57994

c = 18.68046

d = 1.04193

Bead 898

Date : Mon Oct 17 13:51:42 PDT 2022

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

Frame size : 12 pixels

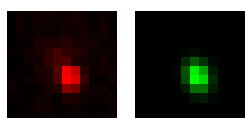
Coordinates : 126 um (x), -28.4 um (y), 18.1 um (z)

Corresponding bead : Not found

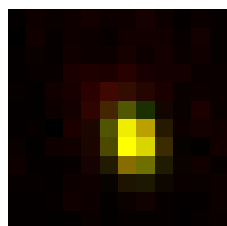
FWHM	Non corrected	Corrected	Theoretical
min	424 nm	442 nm	270 nm
max	562 nm	586 nm	270 nm
z	2.4 um	2.41 um	1.3 um
Asymmetry	0.754		
Theta	-70.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 382.338 (brightness)

B = 119.703 (background)

a = 0.710 px

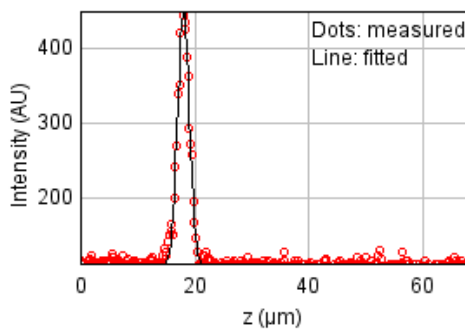
b = -0.102 px

c = 0.461 px

xc = 6.322 px

yc = 6.651 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16384.6475

Standard deviation: 7.30549

R^2 : 0.98175

Parameters:

a = 112.22073

b = 448.88352

c = 18.11149

d = 1.01959

Bead 899 (Rejected)

Date : Mon Oct 17 13:51:42 PDT 2022

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

Frame size : 12 pixels

Coordinates : 128 μm (x), -33.0 μm (y), 15.2 μm (z)

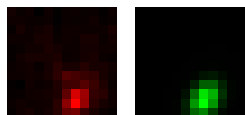
Corresponding bead : Not found

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

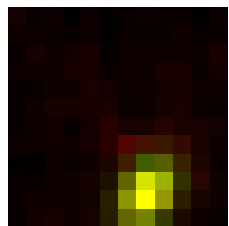
FWHM	Non corrected	Corrected	Theoretical
min	466 nm	485 nm	270 nm
max	660 nm	687 nm	270 nm
z	3.93 μm	3.95 μm	1.3 μm
Asymmetry	0.706		
Theta	58.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.920$



Parameters:

A = 291.231 (brightness)

B = 121.498 (background)

a = 0.534 px

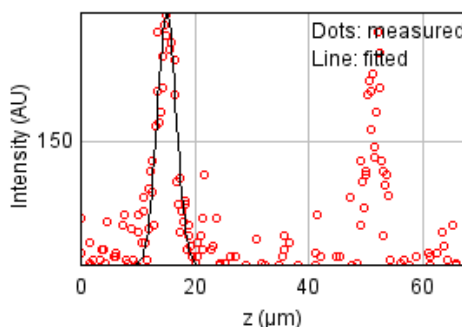
b = 0.138 px

c = 0.393 px

xc = 7.103 px

yc = 9.608 px

Z profile & fitting parameters:



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

Sum of residuals squared: 55178.2604

Standard deviation: 13.40648

R^2 : 0.54268

Parameters:

a = 114.35840

b = 187.37672

c = 15.16728

d = 1.67030

Bead 900 (Rejected)

Date : Mon Oct 17 13:51:42 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)

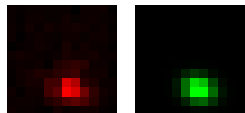
Corresponding bead : Not found

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

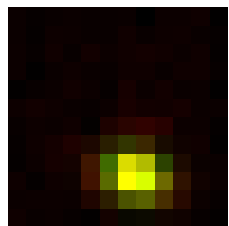
FWHM	Non corrected	Corrected	Theoretical
min	450 nm	469 nm	270 nm
max	571 nm	595 nm	270 nm
z	3.84 μm	3.86 μm	1.3 μm
Asymmetry	0.788		
Theta	-19.1°		

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 = 399.697 (brightness)

B = 123.796 (background)

a = 0.438 px

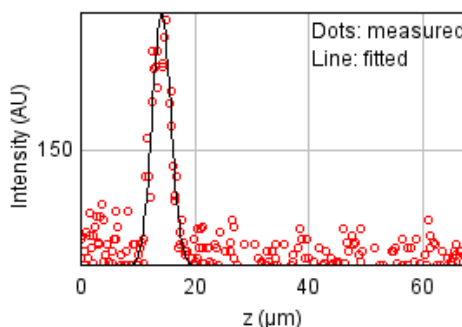
b = -0.078 px

c = 0.636 px

xc = 6.437 px

yc = 8.670 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