

Bead 101

Date : Mon Oct 17 13:50:20 PDT 2022

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

Frame size : 12 pixels

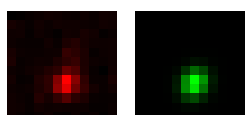
Coordinates : -62.0 μm (x), -58.5 μm (y), 3.18 μm (z)

Corresponding bead : Not found

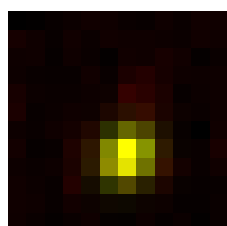
FWHM	Non corrected	Corrected	Theoretical
min	461 nm	480 nm	270 nm
max	533 nm	555 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.864		
Theta	58.7°		

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 = 358.100 (brightness)

B = 121.310 (background)

a = 0.589 px

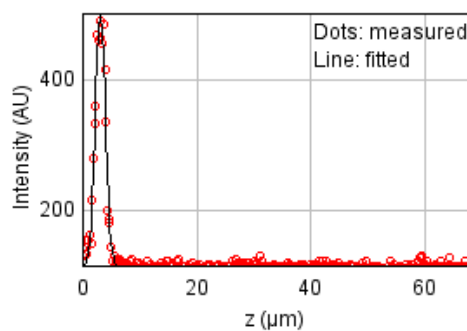
b = 0.071 px

c = 0.515 px

xc = 5.989 px

yc = 7.387 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28554.8092

Standard deviation: 9.64429

R^2 : 0.97317

Parameters:

a = 113.32458

b = 505.82135

c = 3.18419

d = 0.87440

Bead 102

Date : Mon Oct 17 13:50:21 PDT 2022

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

Frame size : 12 pixels

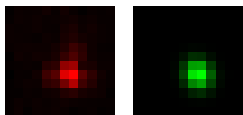
Coordinates : -39.2 μm (x), -58.6 μm (y), 3.28 μm (z)

Corresponding bead : Not found

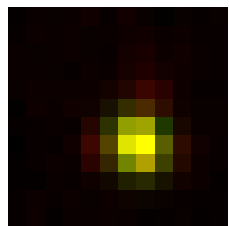
FWHM	Non corrected	Corrected	Theoretical
min	488 nm	508 nm	270 nm
max	553 nm	576 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.882		
Theta	-70.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 462.035 (brightness)

B = 121.765 (background)

a = 0.551 px

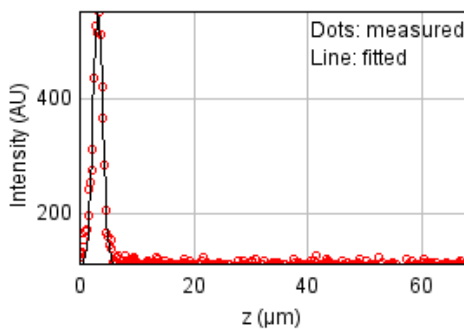
b = -0.039 px

c = 0.453 px

xc = 6.596 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: 30241.8948

Standard deviation: 9.92511

R^2 : 0.97618

Parameters:

a = 114.14500

b = 549.56635

c = 3.28055

d = 0.84910

Bead 103 (Rejected)

Date : Mon Oct 17 13:50:21 PDT 2022

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

Frame size : 12 pixels

Coordinates : 5.03 μm (x), -59.9 μm (y), 3.95 μm (z)

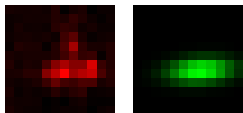
Corresponding bead : Not found

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

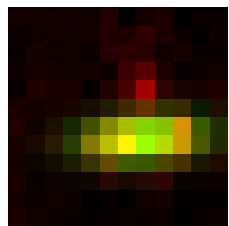
FWHM	Non corrected	Corrected	Theoretical
min	464 nm	484 nm	270 nm
max	1.17 μm	1.22 μm	270 nm
z	2.86 μm	2.87 μm	1.3 μm
Asymmetry	0.396		
Theta	4.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.765$



Parameters:

A = 154.323 (brightness)

B = 119.675 (background)

a = 0.100 px

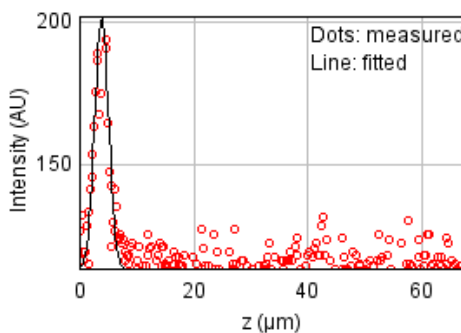
b = 0.037 px

c = 0.620 px

xc = 6.866 px

yc = 6.658 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15828.7789

Standard deviation: 7.18050

R^2 : 0.81795

Parameters:

a = 113.58269

b = 201.68249

c = 3.94847

d = 1.21443

Bead 104 (Rejected)

Date : Mon Oct 17 13:50:21 PDT 2022

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

Frame size : 12 pixels

Coordinates : -74.8 μm (x), -65.0 μm (y), 395 nm (z)

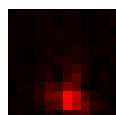
Corresponding bead : Not found

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	3.97 μm	3.98 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

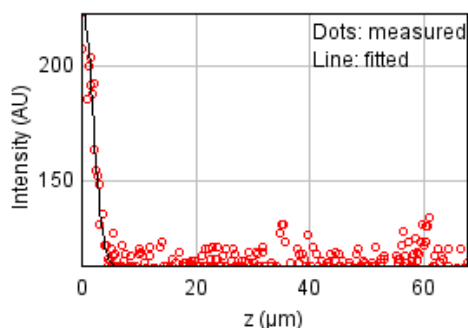
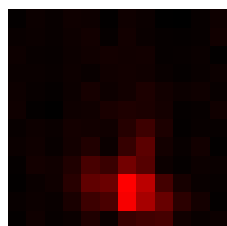
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 13919.0740

Standard deviation: 6.73342

R²: 0.88015

Parameters:

a = 113.32409

b = 222.57030

c = 0.39547

d = 1.68506

Bead 105

Date : Mon Oct 17 13:50:21 PDT 2022

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

Frame size : 12 pixels

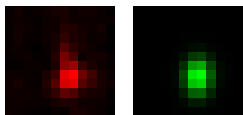
Coordinates : 20.6 μm (x), -69.9 μm (y), 3.35 μm (z)

Corresponding bead : Not found

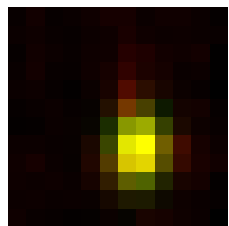
FWHM	Non corrected	Corrected	Theoretical
min	493 nm	514 nm	270 nm
max	679 nm	707 nm	270 nm
z	1.98 μm	1.98 μm	1.3 μm
Asymmetry	0.726		
Theta	87.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 493.506$ (brightness)

$B = 125.299$ (background)

$a = 0.551$ px

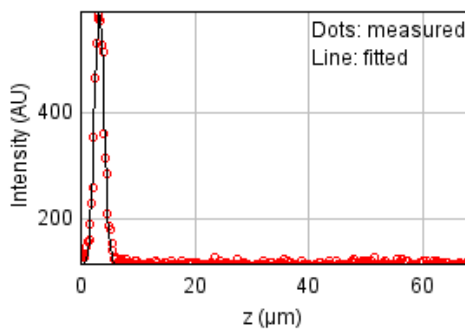
$b = 0.010$ px

$c = 0.291$ px

$x_c = 6.586$ px

$y_c = 7.204$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21288.8499

Standard deviation: 8.32735

$R^2 = 0.98565$

Parameters:

$a = 114.40809$

$b = 590.06934$

$c = 3.35184$

$d = 0.83925$

Bead 106 (Rejected)

Date : Mon Oct 17 13:50:21 PDT 2022

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

Frame size : 12 pixels

Coordinates : 96.4 μm (x), -87.1 μm (y), 3.85 μm (z)

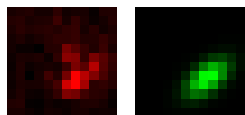
Corresponding bead : Not found

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

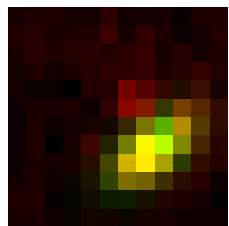
FWHM	Non corrected	Corrected	Theoretical
min	485 nm	505 nm	270 nm
max	902 nm	939 nm	270 nm
z	3.8 μm	3.81 μm	1.3 μm
Asymmetry	0.538		
Theta	39.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.752$



Parameters:

A = 157.128 (brightness)

B = 121.151 (background)

a = 0.327 px

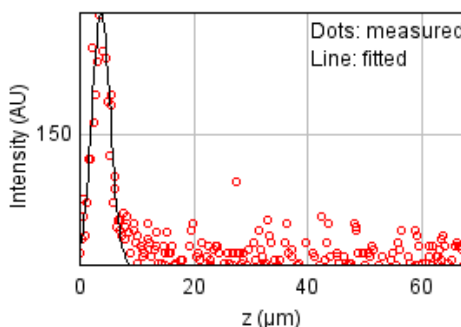
b = 0.199 px

c = 0.408 px

xc = 7.390 px

yc = 7.245 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13933.8894

Standard deviation: 6.73701

R^2 : 0.82819

Parameters:

a = 111.17985

b = 186.26436

c = 3.84994

d = 1.61345

Bead 107

Date : Mon Oct 17 13:50:22 PDT 2022

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

Frame size : 12 pixels

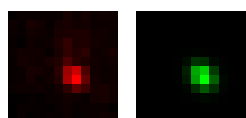
Coordinates : -107 μm (x), 91.7 μm (y), 3.29 μm (z)

Corresponding bead : Not found

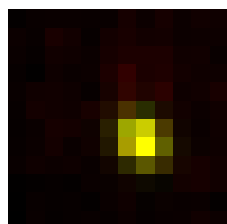
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	495 nm	516 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.808		
Theta	-53.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 364.846 (brightness)

B = 121.326 (background)

a = 0.735 px

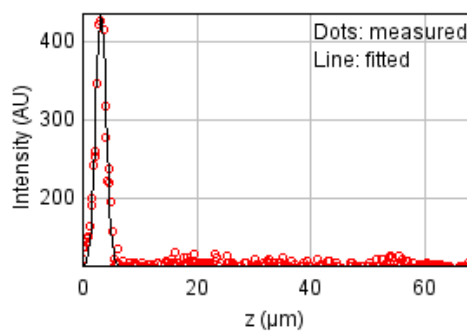
b = -0.139 px

c = 0.650 px

xc = 6.758 px

yc = 6.618 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33812.7316

Standard deviation: 10.49472

R^2 : 0.95594

Parameters:

a = 113.45761

b = 436.37847

c = 3.28608

d = 0.91714

Bead 108

Date : Mon Oct 17 13:50:22 PDT 2022

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

Frame size : 12 pixels

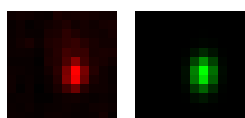
Coordinates : 60.3 μm (x), 58.3 μm (y), 3.45 μm (z)

Corresponding bead : Not found

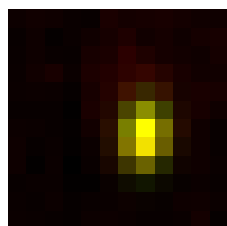
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	615 nm	641 nm	270 nm
z	2.24 μm	2.25 μm	1.3 μm
Asymmetry	0.679		
Theta	87.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 388.310$ (brightness)

$B = 123.036$ (background)

$a = 0.768$ px

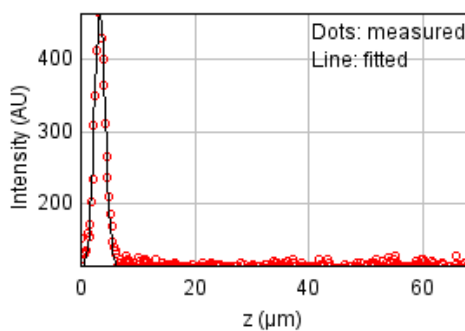
$b = 0.021$ px

$c = 0.356$ px

$x_c = 6.945$ px

$y_c = 6.327$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17339.3652

Standard deviation: 7.51532

$R^2: 0.98094$

Parameters:

$a = 114.02407$

$b = 463.95808$

$c = 3.44893$

$d = 0.95206$

Bead 109

Date : Mon Oct 17 13:50:22 PDT 2022

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

Frame size : 12 pixels

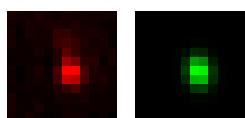
Coordinates : 1.21 μm (x), 54.2 μm (y), 3.15 μm (z)

Corresponding bead : Not found

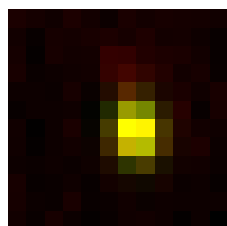
FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	563 nm	586 nm	270 nm
z	2.36 μm	2.37 μm	1.3 μm
Asymmetry	0.752		
Theta	-81.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 336.074 (brightness)

B = 120.100 (background)

a = 0.743 px

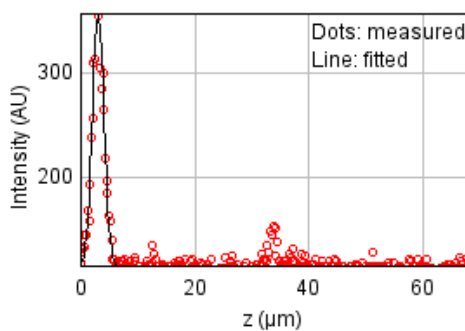
b = -0.046 px

c = 0.430 px

xc = 6.478 px

yc = 6.133 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25271.5627

Standard deviation: 9.07292

R^2 : 0.94716

Parameters:

a = 114.88336

b = 358.02236

c = 3.15238

d = 1.00369

Bead 110 (Rejected)

Date : Mon Oct 17 13:50:22 PDT 2022

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

Frame size : 12 pixels

Coordinates : 150 μm (x), 51.3 μm (y), 2.71 μm (z)

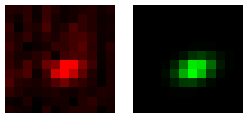
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

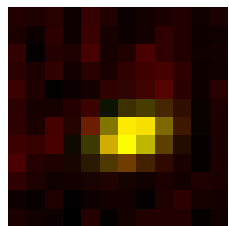
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	657 nm	685 nm	270 nm
z	3.68 μm	3.7 μm	1.3 μm
Asymmetry	0.625		
Theta	18.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.831$



Parameters:

A = 119.402 (brightness)

B = 113.835 (background)

a = 0.357 px

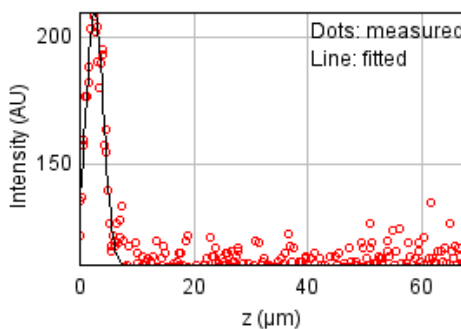
b = 0.143 px

c = 0.747 px

xc = 6.236 px

yc = 6.510 px

Z profile & fitting parameters:



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

Sum of residuals squared: 12402.7096

Standard deviation: 6.35608

R^2 : 0.90356

Parameters:

a = 109.93331

b = 210.11055

c = 2.71208

d = 1.56476

Bead 111 (Rejected)

Date : Mon Oct 17 13:50:23 PDT 2022

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

Frame size : 12 pixels

Coordinates : 145 um (x), 38.8 um (y), 2.13 um (z)

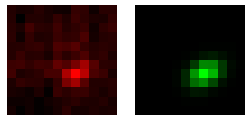
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

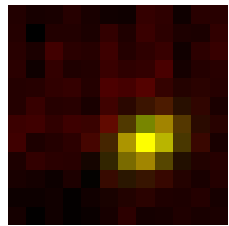
FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	619 nm	644 nm	270 nm
z	3.03 um	3.04 um	1.3 um
Asymmetry	0.692		
Theta	28.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.777$



Parameters:

A = 102.607 (brightness)

B = 114.363 (background)

a = 0.437 px

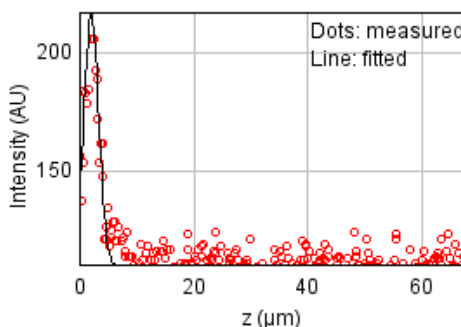
b = 0.160 px

c = 0.645 px

xc = 7.118 px

yc = 6.966 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15299.9762

Standard deviation: 7.05954

R^2 : 0.87609

Parameters:

a = 110.76127

b = 216.60856

c = 2.12613

d = 1.28699

Bead 112 (Rejected)

Date : Mon Oct 17 13:50:23 PDT 2022

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

Frame size : 12 pixels

Coordinates : 26.7 μm (x), 28.9 μm (y), 894 nm (z)

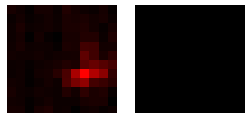
Corresponding bead : Not found

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

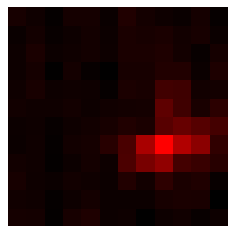
FWHM	Non corrected	Corrected	Theoretical
min	2.1 μm	2.18 μm	270 nm
max	3.49 μm	3.63 μm	270 nm
z	1.75 μm	1.76 μm	1.3 μm
Asymmetry	0.601		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.159$



Parameters:

A = -30.190 (brightness)

B = 145.012 (background)

a = 0.021 px

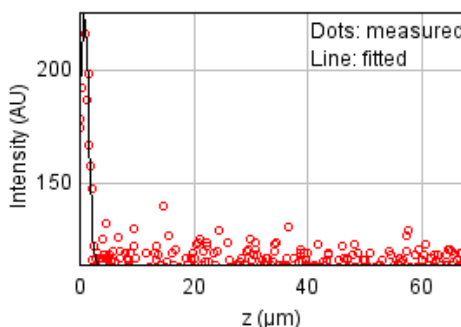
b = 0.017 px

c = -0.002 px

xc = 1.495 px

yc = 4.128 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13662.0046

Standard deviation: 6.67096

R^2 : 0.83886

Parameters:

a = 113.29273

b = 225.58249

c = 0.89373

d = 0.74467

Bead 113

Date : Mon Oct 17 13:50:23 PDT 2022

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

Frame size : 12 pixels

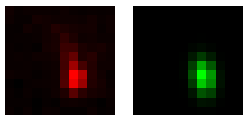
Coordinates : 25.1 μm (x), 22.7 μm (y), 3.62 μm (z)

Corresponding bead : Not found

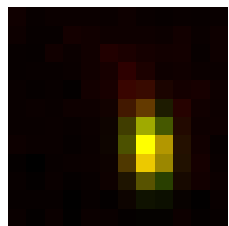
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	415 nm	270 nm
max	651 nm	678 nm	270 nm
z	2.28 μm	2.29 μm	1.3 μm
Asymmetry	0.613		
Theta	-82.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 436.933 (brightness)

B = 124.585 (background)

a = 0.835 px

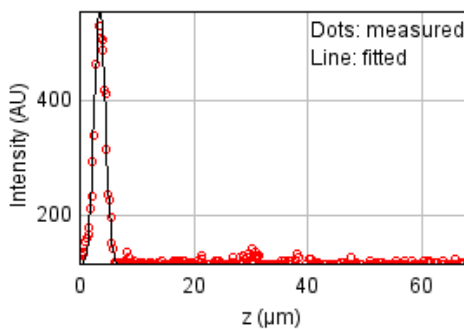
b = -0.065 px

c = 0.325 px

xc = 7.197 px

yc = 7.171 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31106.2096

Standard deviation: 10.06594

R^2 : 0.97904

Parameters:

a = 113.79146

b = 557.01868

c = 3.61500

d = 0.96683

Bead 114 (Rejected)

Date : Mon Oct 17 13:50:23 PDT 2022

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

Frame size : 12 pixels

Coordinates : 162 um (x), 21.0 um (y), 1.24 um (z)

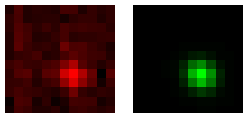
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

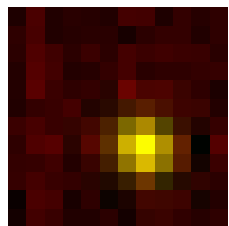
FWHM	Non corrected	Corrected	Theoretical
min	505 nm	526 nm	270 nm
max	559 nm	582 nm	270 nm
z	2.73 um	2.74 um	1.3 um
Asymmetry	0.904		
Theta	-44.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 86.355 (brightness)

B = 114.459 (background)

a = 0.477 px

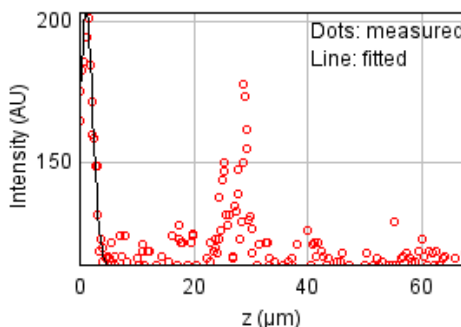
b = -0.048 px

c = 0.478 px

xc = 6.898 px

yc = 7.151 px

Z profile & fitting parameters:



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

Sum of residuals squared: 35539.7774

Standard deviation: 10.75940

R^2 : 0.65864

Parameters:

a = 113.42330

b = 203.47498

c = 1.24472

d = 1.16081

Bead 115 (Rejected)

Date : Mon Oct 17 13:50:24 PDT 2022

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

Frame size : 12 pixels

Coordinates : -146 μm (x), 12.9 μm (y), 2.71 μm (z)

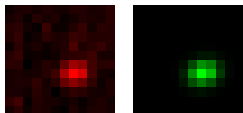
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

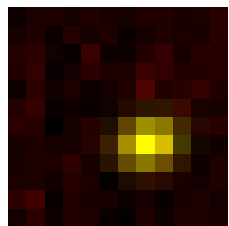
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	463 nm	270 nm
max	556 nm	579 nm	270 nm
z	2.69 μm	2.7 μm	1.3 μm
Asymmetry	0.799		
Theta	15.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 148.641 (brightness)

B = 116.092 (background)

a = 0.450 px

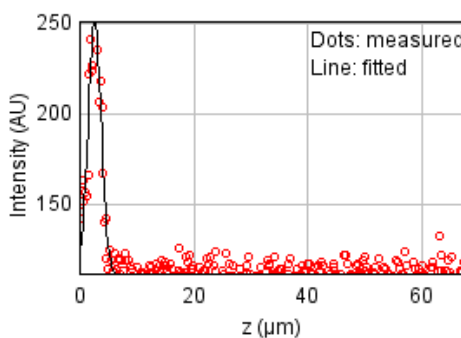
b = 0.062 px

c = 0.662 px

xc = 7.175 px

yc = 6.920 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17104.0091

Standard deviation: 7.46414

R^2 : 0.90760

Parameters:

a = 111.72515

b = 250.96770

c = 2.71053

d = 1.14333

Bead 116 (Rejected)

Date : Mon Oct 17 13:50:24 PDT 2022

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

Frame size : 12 pixels

Coordinates : 120 μm (x), 12.2 μm (y), 3.08 μm (z)

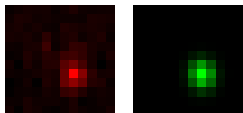
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

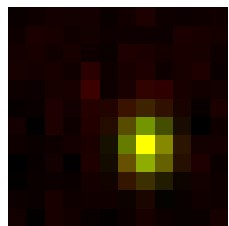
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	466 nm	270 nm
max	543 nm	565 nm	270 nm
z	2.45 μm	2.46 μm	1.3 μm
Asymmetry	0.825		
Theta	-84.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.886$



Parameters:

A = 191.716 (brightness)

B = 118.011 (background)

a = 0.668 px

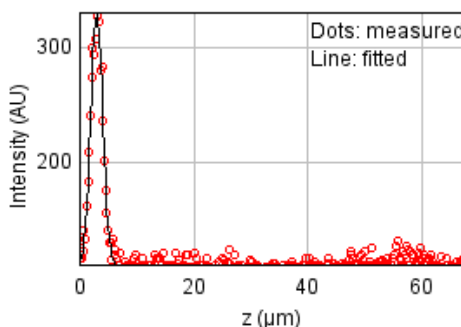
b = -0.021 px

c = 0.458 px

xc = 7.039 px

yc = 7.086 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14493.7627

Standard deviation: 6.87102

R^2 : 0.96283

Parameters:

a = 111.89530

b = 329.48856

c = 3.07920

d = 1.04066

Bead 117

Date : Mon Oct 17 13:50:24 PDT 2022

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

Frame size : 12 pixels

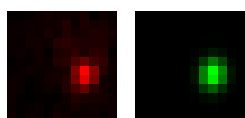
Coordinates : 81.6 μm (x), 1.78 μm (y), 3.51 μm (z)

Corresponding bead : Not found

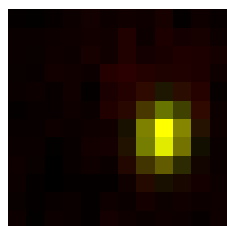
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	465 nm	270 nm
max	561 nm	585 nm	270 nm
z	2.52 μm	2.53 μm	1.3 μm
Asymmetry	0.796		
Theta	82.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 293.635$ (brightness)

$B = 118.717$ (background)

$a = 0.668$ px

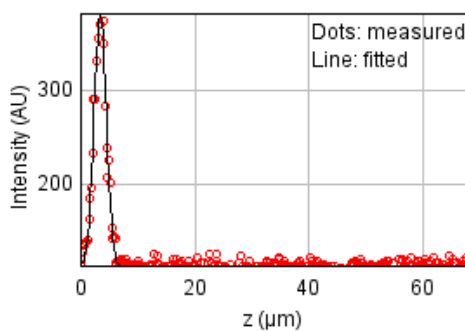
$b = 0.033$ px

$c = 0.431$ px

$x_c = 7.994$ px

$y_c = 6.403$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 14875.5844

Standard deviation: 6.96094

$R^2: 0.97535$

Parameters:

$a = 112.79451$

$b = 381.85366$

$c = 3.50608$

$d = 1.06878$

Bead 118

Date : Mon Oct 17 13:50:24 PDT 2022

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

Frame size : 12 pixels

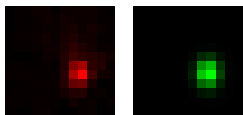
Coordinates : 43.3 μm (x), -2.93 μm (y), 3.49 μm (z)

Corresponding bead : Not found

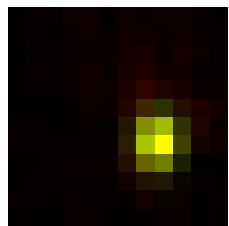
FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	523 nm	544 nm	270 nm
z	2.72 μm	2.73 μm	1.3 μm
Asymmetry	0.783		
Theta	88.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 485.186 (brightness)

B = 123.015 (background)

a = 0.801 px

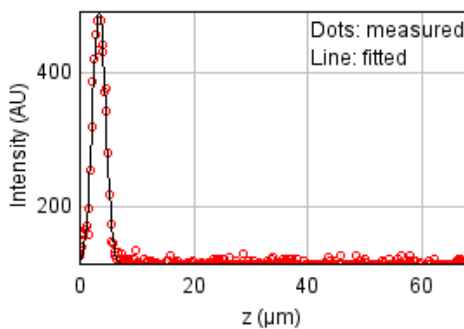
b = 0.007 px

c = 0.492 px

xc = 7.662 px

yc = 6.816 px

Z profile & fitting parameters:



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

Sum of residuals squared: 26766.4568

Standard deviation: 9.33741

R^2 : 0.97903

Parameters:

a = 113.59553

b = 491.82403

c = 3.49248

d = 1.15350

Bead 119

Date : Mon Oct 17 13:50:25 PDT 2022

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

Frame size : 12 pixels

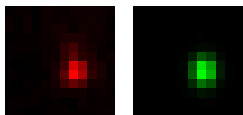
Coordinates : 12.4 μm (x), -17.8 μm (y), 3.67 μm (z)

Corresponding bead : Not found

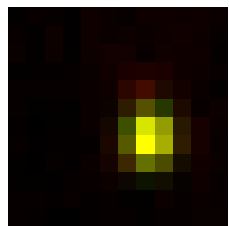
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	535 nm	558 nm	270 nm
z	2.4 μm	2.41 μm	1.3 μm
Asymmetry	0.807		
Theta	90.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 529.247 (brightness)

B = 126.625 (background)

a = 0.719 px

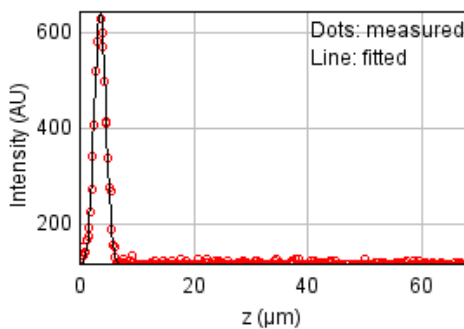
b = 0.000 px

c = 0.468 px

xc = 7.233 px

yc = 6.614 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24655.4362

Standard deviation: 8.96163

R^2 : 0.98890

Parameters:

a = 114.04815

b = 646.16122

c = 3.67094

d = 1.01748

Bead 120

Date : Mon Oct 17 13:50:25 PDT 2022

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

Frame size : 12 pixels

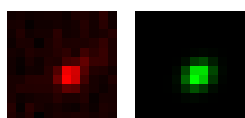
Coordinates : -142 μm (x), -54.3 μm (y), 2.53 μm (z)

Corresponding bead : Not found

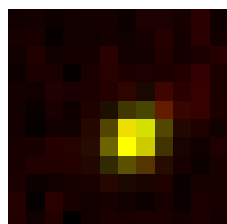
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	524 nm	546 nm	270 nm
z	2.46 μm	2.47 μm	1.3 μm
Asymmetry	0.819		
Theta	38.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 222.767$ (brightness)

$B = 115.320$ (background)

$a = 0.583$ px

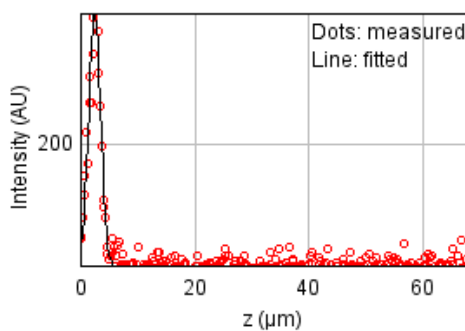
$b = 0.117$ px

$c = 0.635$ px

$xc = 6.399$ px

$yc = 6.531$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19045.0198

Standard deviation: 7.87629

$R^2: 0.93558$

Parameters:

$a = 110.49490$

$b = 296.94293$

$c = 2.53399$

$d = 1.04407$

Bead 121 (Rejected)

Date : Mon Oct 17 13:50:25 PDT 2022

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

Frame size : 12 pixels

Coordinates : 111 um (x), -91.7 um (y), 4.46 um (z)

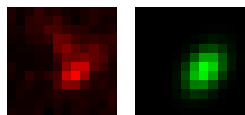
Corresponding bead : Not found

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

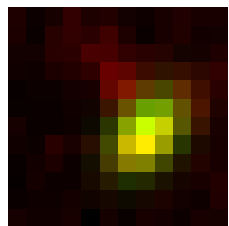
FWHM	Non corrected	Corrected	Theoretical
min	576 nm	600 nm	270 nm
max	828 nm	863 nm	270 nm
z	3.09 um	3.1 um	1.3 um
Asymmetry	0.695		
Theta	53.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.785$



Parameters:

A = 185.201 (brightness)

B = 124.745 (background)

a = 0.330 px

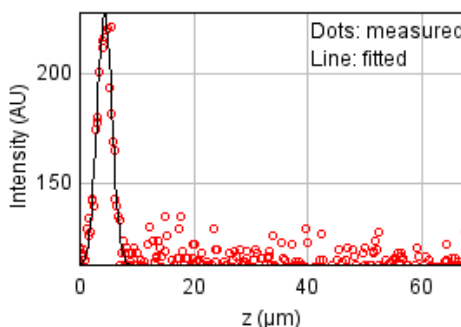
b = 0.100 px

c = 0.270 px

xc = 7.086 px

yc = 6.330 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15352.4874

Standard deviation: 7.07164

R^2 : 0.89549

Parameters:

a = 112.25172

b = 227.84604

c = 4.46190

d = 1.31193

Bead 122

Date : Mon Oct 17 13:50:25 PDT 2022

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

Frame size : 12 pixels

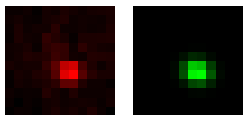
Coordinates : -124 μm (x), 56.7 μm (y), 3.13 μm (z)

Corresponding bead : Not found

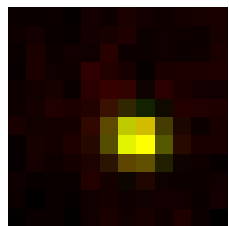
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	444 nm	270 nm
max	503 nm	524 nm	270 nm
z	2.48 μm	2.49 μm	1.3 μm
Asymmetry	0.848		
Theta	-16.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 196.716$ (brightness)

$B = 116.676$ (background)

$a = 0.546$ px

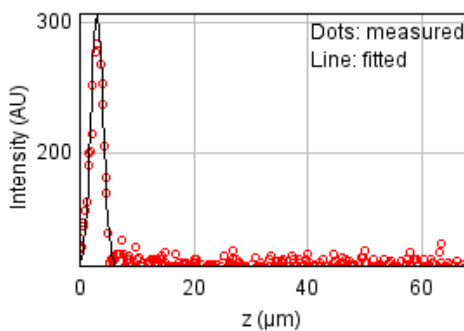
$b = -0.055$ px

$c = 0.722$ px

$x_c = 6.507$ px

$y_c = 6.668$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17346.5861

Standard deviation: 7.51688

$R^2: 0.94604$

Parameters:

$a = 112.30628$

$b = 306.96139$

$c = 3.13366$

$d = 1.05420$

Bead 123 (Rejected)

Date : Mon Oct 17 13:50:26 PDT 2022

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

Frame size : 12 pixels

Coordinates : 21.6 μm (x), 50.0 μm (y), 4.25 μm (z)

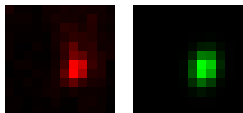
Corresponding bead : Not found

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

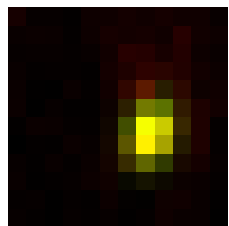
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	595 nm	620 nm	270 nm
z	2.98 μm	2.99 μm	1.3 μm
Asymmetry	0.721		
Theta	76.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 410.830 (brightness)

B = 122.916 (background)

a = 0.710 px

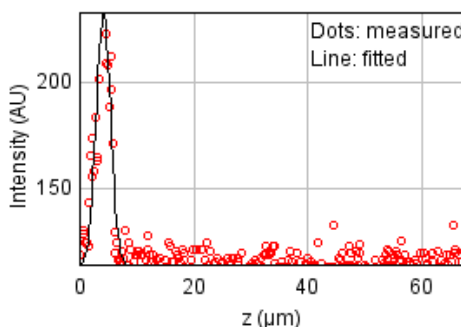
b = 0.082 px

c = 0.400 px

xc = 7.298 px

yc = 6.364 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17511.6225

Standard deviation: 7.55256

R^2 : 0.88551

Parameters:

a = 113.94810

b = 233.29641

c = 4.25269

d = 1.26373

Bead 124 (Rejected)

Date : Mon Oct 17 13:50:26 PDT 2022

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

Frame size : 12 pixels

Coordinates : 32.3 μm (x), 46.4 μm (y), 3.53 μm (z)

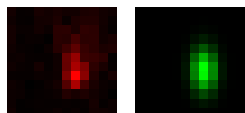
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

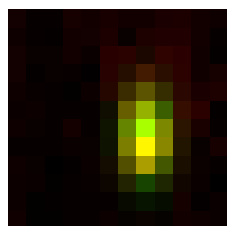
FWHM	Non corrected	Corrected	Theoretical
min	459 nm	478 nm	270 nm
max	820 nm	854 nm	270 nm
z	2.37 μm	2.38 μm	1.3 μm
Asymmetry	0.559		
Theta	-89.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.866$



Parameters:

A = 226.701 (brightness)

B = 121.086 (background)

a = 0.638 px

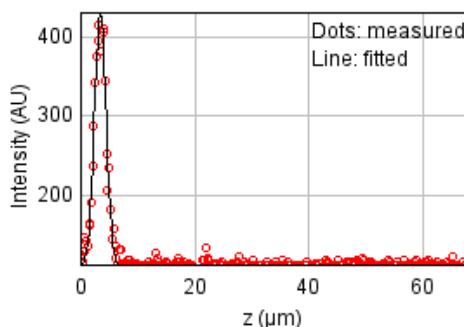
b = -0.007 px

c = 0.200 px

xc = 7.018 px

yc = 6.404 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21803.1838

Standard deviation: 8.42734

R^2 : 0.97260

Parameters:

a = 112.88501

b = 430.07950

c = 3.53105

d = 1.00800

Bead 125 (Rejected)

Date : Mon Oct 17 13:50:26 PDT 2022

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

Frame size : 12 pixels

Coordinates : 10.6 μm (x), 45.5 μm (y), 3.96 μm (z)

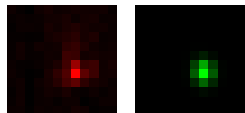
Corresponding bead : Not found

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

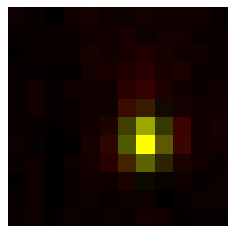
FWHM	Non corrected	Corrected	Theoretical
min	359 nm	374 nm	270 nm
max	445 nm	464 nm	270 nm
z	3.57 μm	3.59 μm	1.3 μm
Asymmetry	0.806		
Theta	-86.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.855$



Parameters:

A = 308.461 (brightness)

B = 121.995 (background)

a = 1.042 px

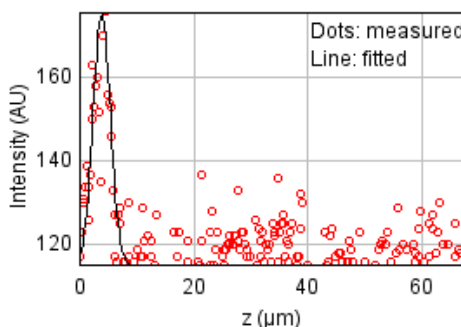
b = -0.020 px

c = 0.678 px

xc = 6.992 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: 18300.1351

Standard deviation: 7.72072

R^2 : 0.69293

Parameters:

a = 114.87869

b = 175.42482

c = 3.95578

d = 1.51803

Bead 126

Date : Mon Oct 17 13:50:26 PDT 2022

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

Frame size : 12 pixels

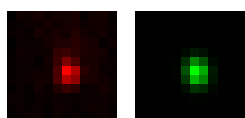
Coordinates : 1.6 μm (x), 37.9 μm (y), 3.75 μm (z)

Corresponding bead : Not found

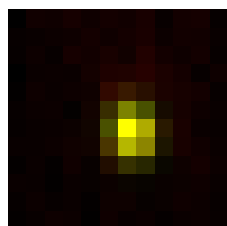
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	521 nm	542 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.795		
Theta	-82.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 407.591$ (brightness)

$B = 121.483$ (background)

$a = 0.779$ px

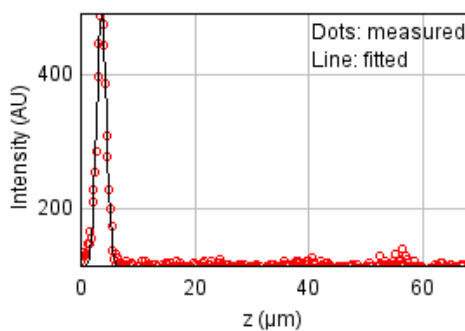
$b = -0.039$ px

$c = 0.501$ px

$x_c = 6.252$ px

$y_c = 6.189$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20465.5235

Standard deviation: 8.16474

$R^2: 0.97857$

Parameters:

$a = 113.81762$

$b = 491.56603$

$c = 3.74770$

$d = 0.85088$

Bead 127 (Rejected)

Date : Mon Oct 17 13:50:27 PDT 2022

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

Frame size : 12 pixels

Coordinates : 42.1 μm (x), -45.0 μm (y), 4.03 μm (z)

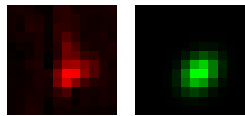
Corresponding bead : Not found

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

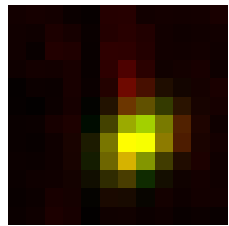
FWHM	Non corrected	Corrected	Theoretical
min	537 nm	560 nm	270 nm
max	700 nm	729 nm	270 nm
z	4.22 μm	4.23 μm	1.3 μm
Asymmetry	0.767		
Theta	45.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.879$



Parameters:

A = 261.921 (brightness)

B = 119.984 (background)

a = 0.371 px

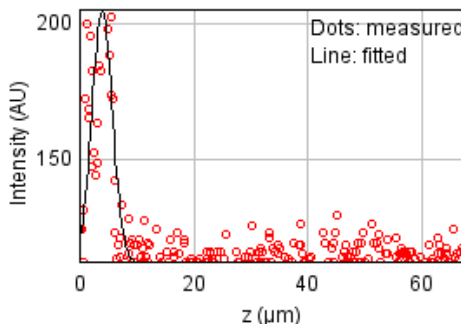
b = 0.096 px

c = 0.367 px

xc = 6.541 px

yc = 6.897 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32631.5056

Standard deviation: 10.30978

R^2 : 0.77398

Parameters:

a = 112.63010

b = 205.01942

c = 4.03310

d = 1.79003

Bead 128 (Rejected)

Date : Mon Oct 17 13:50:27 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

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	1.88 μm	1.89 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

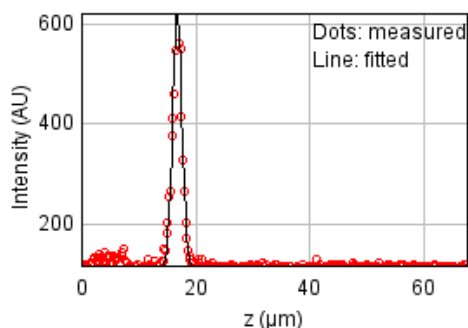
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 36372.5101

Standard deviation: 10.88472

R²: 0.97800

Parameters:

a = 114.93798

b = 626.85363

c = 16.82928

d = 0.79931

Bead 129

Date : Mon Oct 17 13:50:27 PDT 2022

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

Frame size : 12 pixels

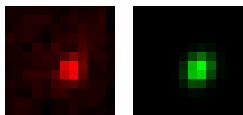
Coordinates : -126 μm (x), -61.4 μm (y), 3.08 μm (z)

Corresponding bead : Not found

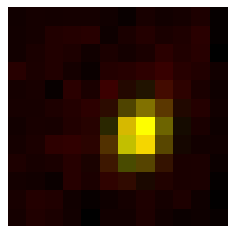
FWHM	Non corrected	Corrected	Theoretical
min	446 nm	464 nm	270 nm
max	558 nm	582 nm	270 nm
z	2.96 μm	2.97 μm	1.3 μm
Asymmetry	0.799		
Theta	61.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 175.007$ (brightness)

$B = 116.616$ (background)

$a = 0.620$ px

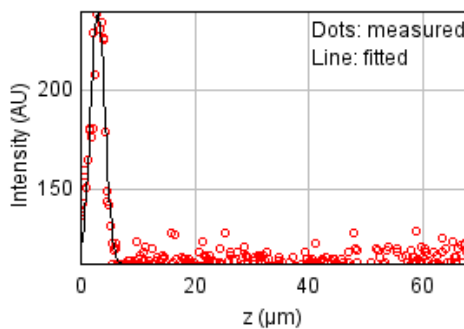
$b = 0.102$ px

$c = 0.485$ px

$x_c = 6.695$ px

$y_c = 6.386$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 16278.1595

Standard deviation: 7.28171

$R^2: 0.90502$

Parameters:

$a = 111.74843$

$b = 239.78951$

$c = 3.07762$

$d = 1.25619$

Bead 130 (Rejected)

Date : Mon Oct 17 13:50:27 PDT 2022

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

Frame size : 12 pixels

Coordinates : 148 um (x), -62.5 um (y), 1.7 um (z)

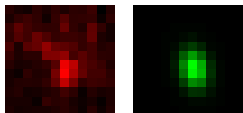
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	501 nm	522 nm	270 nm
max	733 nm	763 nm	270 nm
z	3.89 um	3.9 um	1.3 um
Asymmetry	0.683		
Theta	-79.1°		

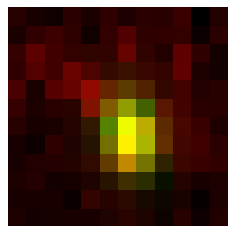
XY profile & fitting parameters :

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



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

$R^2 = 0.660$



Parameters:

A = 85.230 (brightness)

B = 115.452 (background)

a = 0.525 px

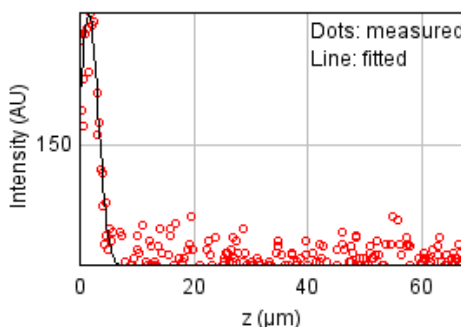
b = -0.053 px

c = 0.260 px

xc = 6.168 px

yc = 6.446 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13572.3403

Standard deviation: 6.64903

R^2 : 0.86235

Parameters:

a = 109.42380

b = 194.91879

c = 1.69567

d = 1.64991

Bead 131 (Rejected)

Date : Mon Oct 17 13:50:27 PDT 2022

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

Frame size : 12 pixels

Coordinates : -74.8 μm (x), -65.0 μm (y), 395 nm (z)

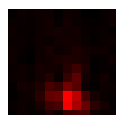
Corresponding bead : Not found

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	3.97 μm	3.98 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

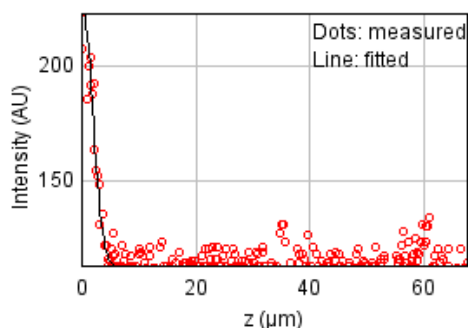
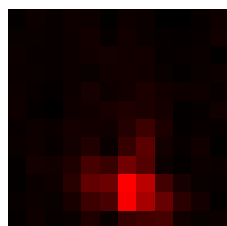
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 13919.0740

Standard deviation: 6.73342

R²: 0.88015

Parameters:

a = 113.32409

b = 222.57030

c = 0.39547

d = 1.68506

Bead 132 (Rejected)

Date : Mon Oct 17 13:50:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : 123 μm (x), -81.7 μm (y), 1.34 μm (z)

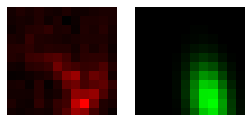
Corresponding bead : Not found

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

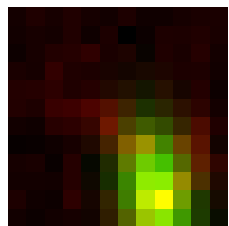
FWHM	Non corrected	Corrected	Theoretical
min	697 nm	725 nm	270 nm
max	1.34 μm	1.4 μm	270 nm
z	2.78 μm	2.79 μm	1.3 μm
Asymmetry	0.519		
Theta	-80.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.724$



Parameters:

A = 99.112 (brightness)

B = 120.576 (background)

a = 0.271 px

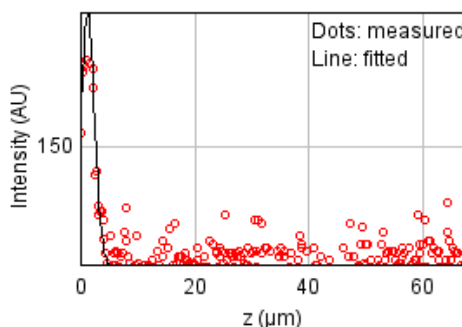
b = -0.033 px

c = 0.080 px

xc = 7.610 px

yc = 9.704 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13853.7683

Standard deviation: 6.71761

R^2 : 0.81225

Parameters:

a = 110.95547

b = 194.10628

c = 1.34426

d = 1.18184

Bead 133

Date : Mon Oct 17 13:50:28 PDT 2022

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

Frame size : 12 pixels

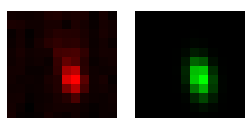
Coordinates : -15.5 μm (x), 76.1 μm (y), 4.04 μm (z)

Corresponding bead : Not found

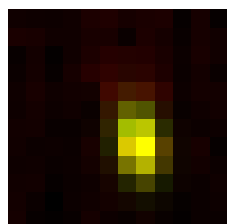
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	684 nm	712 nm	270 nm
z	1.85 μm	1.86 μm	1.3 μm
Asymmetry	0.592		
Theta	-79.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 314.411$ (brightness)

$B = 122.148$ (background)

$a = 0.800$ px

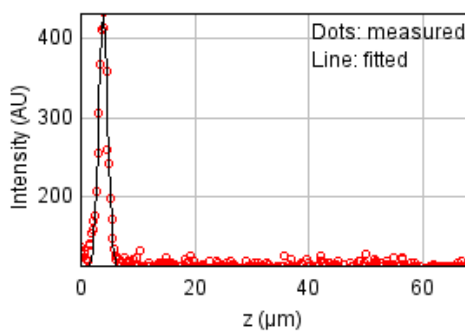
$b = -0.095$ px

$c = 0.305$ px

$x_c = 6.625$ px

$y_c = 6.793$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21186.9923

Standard deviation: 8.30741

$R^2 = 0.96708$

Parameters:

$a = 113.06770$

$b = 433.40470$

$c = 4.03725$

$d = 0.78501$

Bead 134 (Rejected)

Date : Mon Oct 17 13:50:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : 164 μm (x), 73.8 μm (y), 3.52 μm (z)

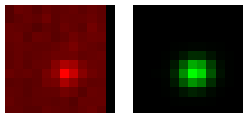
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

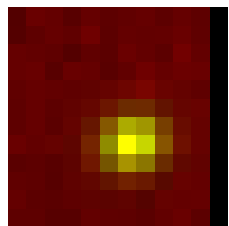
FWHM	Non corrected	Corrected	Theoretical
min	526 nm	548 nm	270 nm
max	594 nm	619 nm	270 nm
z	2.71 μm	2.72 μm	1.3 μm
Asymmetry	0.885		
Theta	14.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.383$



Parameters:

A = 169.300 (brightness)

B = 103.385 (background)

a = 0.386 px

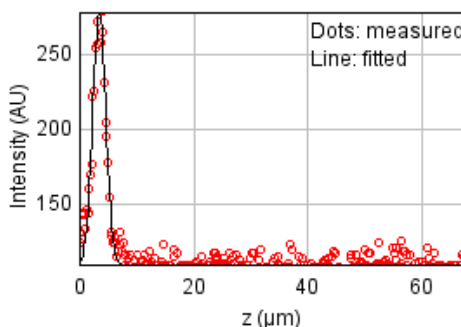
b = 0.025 px

c = 0.478 px

xc = 6.285 px

yc = 6.908 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15491.6032

Standard deviation: 7.10361

R^2 : 0.94067

Parameters:

a = 109.86498

b = 277.81174

c = 3.52041

d = 1.14986

Bead 135 (Rejected)

Date : Mon Oct 17 13:50:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : 21.8 μm (x), 57.4 μm (y), 3.84 μm (z)

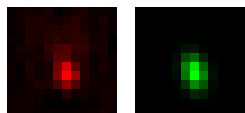
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

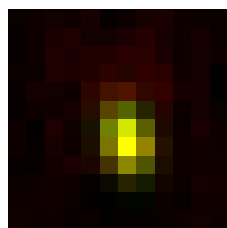
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	438 nm	270 nm
max	625 nm	651 nm	270 nm
z	2.29 μm	2.3 μm	1.3 μm
Asymmetry	0.672		
Theta	-75.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.889$



Parameters:

A = 292.733 (brightness)

B = 123.971 (background)

a = 0.734 px

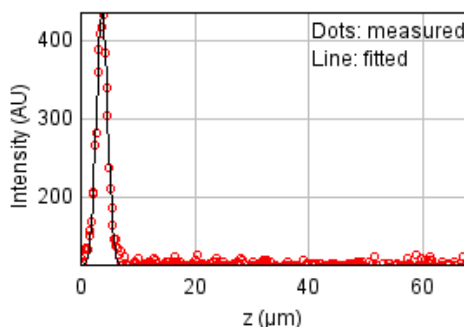
b = -0.101 px

c = 0.370 px

xc = 5.988 px

yc = 6.636 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15139.7277

Standard deviation: 7.02247

R^2 : 0.98119

Parameters:

a = 112.55826

b = 438.40000

c = 3.83874

d = 0.97295

Bead 136 (Rejected)

Date : Mon Oct 17 13:50:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : 49.4 μm (x), 40.1 μm (y), 3.91 μm (z)

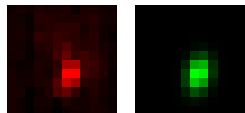
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

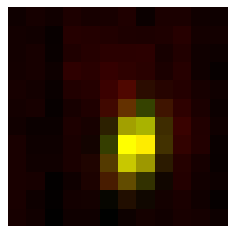
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	632 nm	658 nm	270 nm
z	2.48 μm	2.49 μm	1.3 μm
Asymmetry	0.661		
Theta	77.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.890$



Parameters:

A = 280.315 (brightness)

B = 123.021 (background)

a = 0.747 px

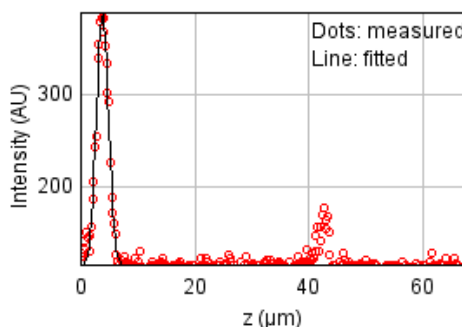
b = 0.095 px

c = 0.358 px

xc = 6.442 px

yc = 7.039 px

Z profile & fitting parameters:



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

Sum of residuals squared: 38395.9810

Standard deviation: 11.18340

R^2 : 0.93924

Parameters:

a = 115.73799

b = 387.83226

c = 3.91378

d = 1.05314

Bead 137 (Rejected)

Date : Mon Oct 17 13:50:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : 12.6 μm (x), 26.7 μm (y), 904 nm (z)

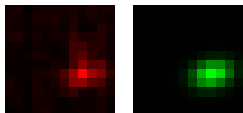
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

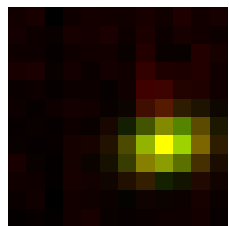
FWHM	Non corrected	Corrected	Theoretical
min	485 nm	506 nm	270 nm
max	726 nm	756 nm	270 nm
z	2.52 μm	2.53 μm	1.3 μm
Asymmetry	0.669		
Theta	14.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 189.361 (brightness)

B = 119.434 (background)

a = 0.273 px

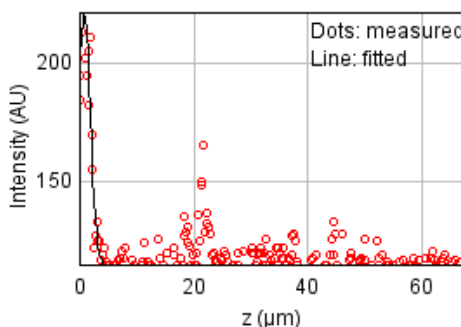
b = 0.074 px

c = 0.551 px

xc = 8.146 px

yc = 7.039 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21019.9144

Standard deviation: 8.27459

R^2 : 0.79851

Parameters:

a = 115.49075

b = 220.81351

c = 0.90351

d = 1.06834

Bead 138

Date : Mon Oct 17 13:50:29 PDT 2022

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

Frame size : 12 pixels

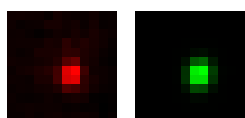
Coordinates : -76.4 μm (x), 8.6 μm (y), 3.68 μm (z)

Corresponding bead : Not found

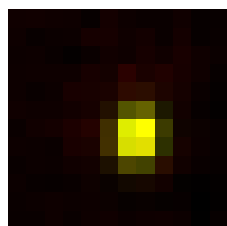
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	499 nm	520 nm	270 nm
z	2.58 μm	2.59 μm	1.3 μm
Asymmetry	0.834		
Theta	81.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 441.861 (brightness)

B = 121.461 (background)

a = 0.770 px

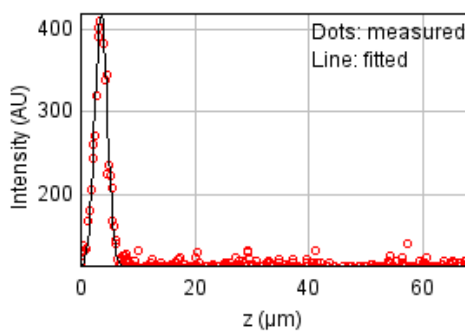
b = 0.036 px

c = 0.544 px

xc = 6.530 px

yc = 6.407 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23995.6401

Standard deviation: 8.84091

R^2 : 0.97028

Parameters:

a = 112.90820

b = 419.88021

c = 3.67671

d = 1.09456

Bead 139

Date : Mon Oct 17 13:50:29 PDT 2022

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

Frame size : 12 pixels

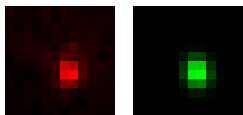
Coordinates : 120 μm (x), 3.03 μm (y), 4.32 μm (z)

Corresponding bead : Not found

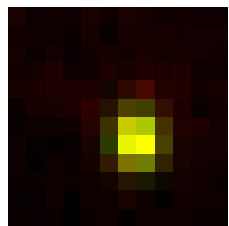
FWHM	Non corrected	Corrected	Theoretical
min	436 nm	455 nm	270 nm
max	532 nm	554 nm	270 nm
z	2.91 μm	2.92 μm	1.3 μm
Asymmetry	0.82		
Theta	-83.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 357.012$ (brightness)

$B = 121.149$ (background)

$a = 0.702$ px

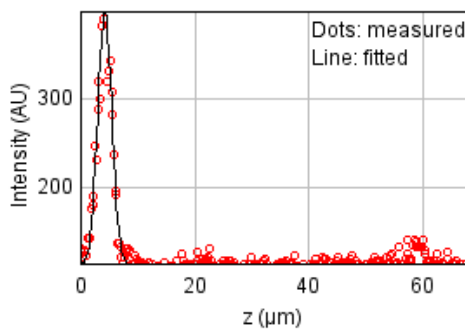
$b = -0.025$ px

$c = 0.476$ px

$x_c = 6.514$ px

$y_c = 6.724$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28634.7636

Standard deviation: 9.65779

$R^2: 0.96357$

Parameters:

$a = 112.93026$

$b = 398.05653$

$c = 4.32169$

$d = 1.23625$

Bead 140

Date : Mon Oct 17 13:50:29 PDT 2022

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

Frame size : 12 pixels

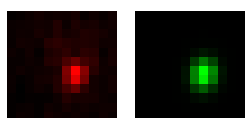
Coordinates : 81.6 μm (x), 1.78 μm (y), 3.51 μm (z)

Corresponding bead : Not found

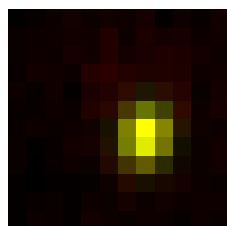
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	463 nm	270 nm
max	558 nm	581 nm	270 nm
z	2.52 μm	2.53 μm	1.3 μm
Asymmetry	0.797		
Theta	82.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 293.886$ (brightness)

$B = 119.443$ (background)

$a = 0.675$ px

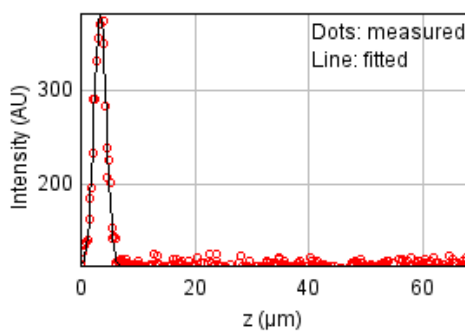
$b = 0.033$ px

$c = 0.436$ px

$x_c = 6.994$ px

$y_c = 6.404$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 14875.5844

Standard deviation: 6.96094

$R^2: 0.97535$

Parameters:

$a = 112.79451$

$b = 381.85366$

$c = 3.50608$

$d = 1.06878$

Bead 141 (Rejected)

Date : Mon Oct 17 13:50:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : 123 μm (x), -18.9 μm (y), 3.26 μm (z)

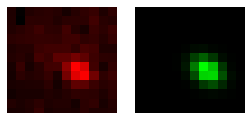
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

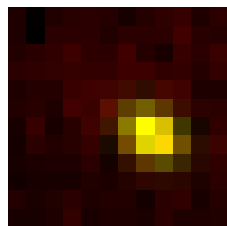
FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	586 nm	610 nm	270 nm
z	3.45 μm	3.46 μm	1.3 μm
Asymmetry	0.749		
Theta	-37.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.885$



Parameters:

A = 171.849 (brightness)

B = 119.189 (background)

a = 0.505 px

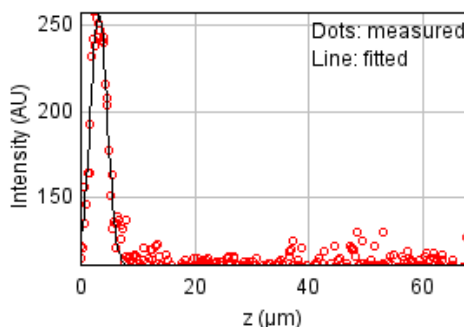
b = -0.148 px

c = 0.581 px

xc = 7.352 px

yc = 6.433 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15221.0206

Standard deviation: 7.04130

R^2 : 0.93806

Parameters:

a = 111.31343

b = 256.68256

c = 3.26445

d = 1.46475

Bead 142 (Rejected)

Date : Mon Oct 17 13:50:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : 142 um (x), -26.5 um (y), 2.49 um (z)

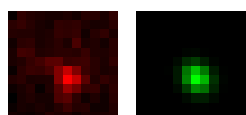
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

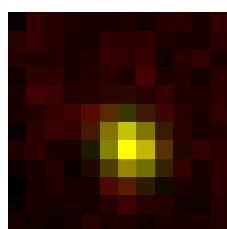
FWHM	Non corrected	Corrected	Theoretical
min	490 nm	510 nm	270 nm
max	582 nm	606 nm	270 nm
z	3.02 um	3.03 um	1.3 um
Asymmetry	0.842		
Theta	-52.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.837$



Parameters:

A = 108.428 (brightness)

B = 117.637 (background)

a = 0.498 px

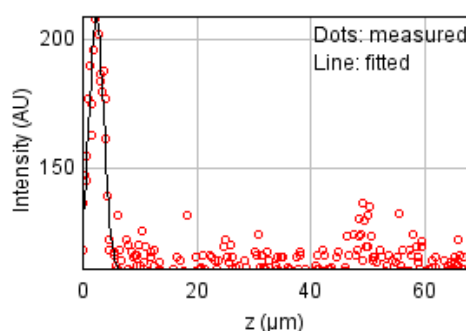
b = -0.079 px

c = 0.457 px

xc = 6.139 px

yc = 6.823 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17585.3296

Standard deviation: 7.56843

R^2 : 0.83903

Parameters:

a = 111.19658

b = 208.65066

c = 2.49114

d = 1.28303

Bead 143 (Rejected)

Date : Mon Oct 17 13:50:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : -59.2 μm (x), -38.9 μm (y), 1.38 μm (z)

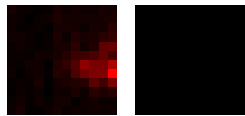
Corresponding bead : Not found

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

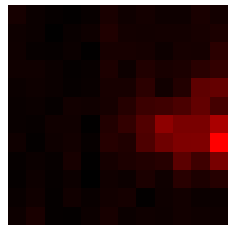
FWHM	Non corrected	Corrected	Theoretical
min	98.0 nm	102 nm	270 nm
max	177 nm	184 nm	270 nm
z	2.41 μm	2.42 μm	1.3 μm
Asymmetry	0.555		
Theta	77.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.026$



Parameters:

A = 4.273 (brightness)

B = 132.278 (background)

a = 13.501 px

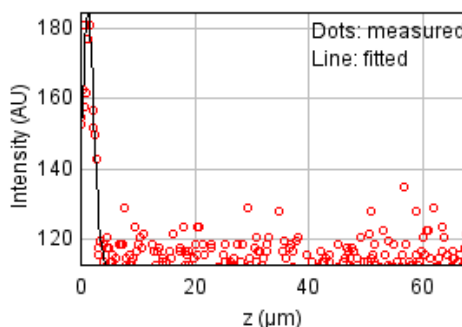
b = 2.090 px

c = 4.774 px

xc = -6.155 px

yc = 3.200 px

Z profile & fitting parameters:



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

Sum of residuals squared: 12326.7634

Standard deviation: 6.33659

R^2 : 0.76238

Parameters:

a = 112.70432

b = 184.37191

c = 1.38429

d = 1.02231

Bead 144

Date : Mon Oct 17 13:50:30 PDT 2022

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

Frame size : 12 pixels

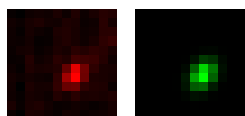
Coordinates : -138 μm (x), -50.6 μm (y), 3.47 μm (z)

Corresponding bead : Not found

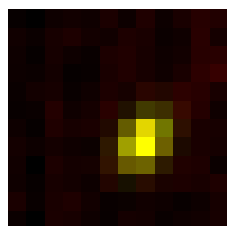
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	553 nm	576 nm	270 nm
z	2.51 μm	2.52 μm	1.3 μm
Asymmetry	0.72		
Theta	56.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 242.144$ (brightness)

$B = 115.933$ (background)

$a = 0.720$ px

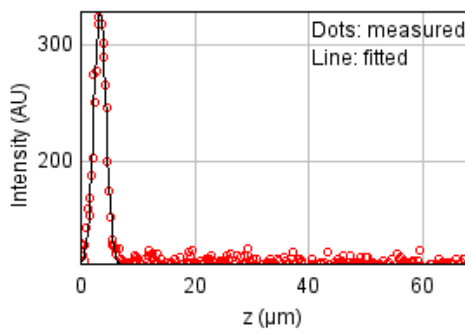
$b = 0.188$ px

$c = 0.564$ px

$x_c = 6.906$ px

$y_c = 6.687$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 12348.0193

Standard deviation: 6.34205

$R^2: 0.96886$

Parameters:

$a = 111.11300$

$b = 328.70344$

$c = 3.47246$

$d = 1.06657$

Bead 145 (Rejected)

Date : Mon Oct 17 13:50:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : 121 μm (x), -61.0 μm (y), 1.57 μm (z)

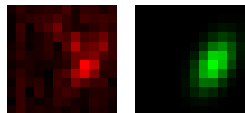
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	558 nm	581 nm	270 nm
max	966 nm	1.01 μm	270 nm
z	2.71 μm	2.72 μm	1.3 μm
Asymmetry	0.578		
Theta	61.9°		

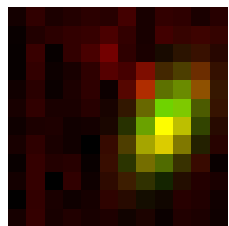
XY profile & fitting parameters :

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



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

$R^2 = 0.653$



Parameters:

A = 79.363 (brightness)

B = 119.704 (background)

a = 0.367 px

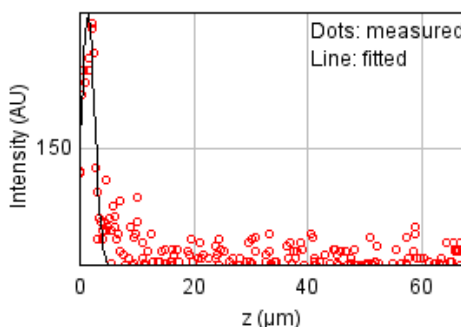
b = 0.119 px

c = 0.208 px

xc = 8.160 px

yc = 5.873 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14410.3658

Standard deviation: 6.85123

R^2 : 0.80719

Parameters:

a = 111.28553

b = 194.99800

c = 1.56696

d = 1.15036

Bead 146 (Rejected)

Date : Mon Oct 17 13:50:31 PDT 2022

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

Frame size : 12 pixels

Coordinates : 83.9 μm (x), -75.2 μm (y), 2.2 μm (z)

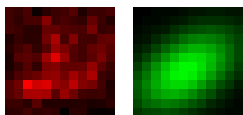
Corresponding bead : Not found

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

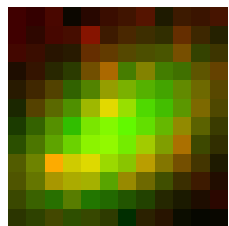
FWHM	Non corrected	Corrected	Theoretical
min	1.23 μm	1.28 μm	270 nm
max	2.09 μm	2.18 μm	270 nm
z	4.37 μm	4.38 μm	1.3 μm
Asymmetry	0.587		
Theta	32.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.463$



Parameters:

$A = 38.620$ (brightness)

$B = 117.121$ (background)

$a = 0.048$ px

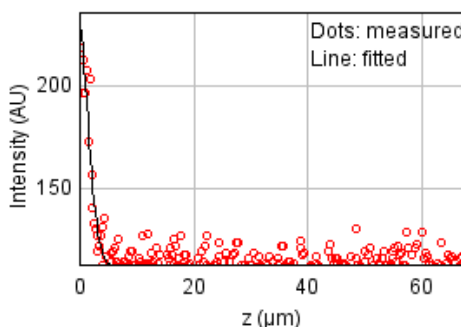
$b = 0.027$ px

$c = 0.072$ px

$xc = 5.245$ px

$yc = 6.433$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 14116.8099

Standard deviation: 6.78108

$R^2: 0.86534$

Parameters:

$a = 112.49320$

$b = 239.56620$

$c = -0.46395$

$d = 1.85438$

Bead 147 (Rejected)

Date : Mon Oct 17 13:50:31 PDT 2022

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

Frame size : 12 pixels

Coordinates : -156 μm (x), -81.8 μm (y), 1.44 μm (z)

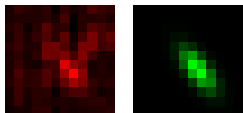
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

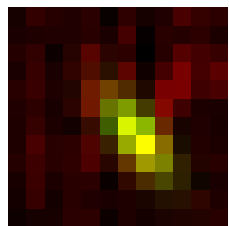
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	916 nm	954 nm	270 nm
z	2.48 μm	2.49 μm	1.3 μm
Asymmetry	0.428		
Theta	-54.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.629$



Parameters:

A = 100.660 (brightness)

B = 119.301 (background)

a = 0.627 px

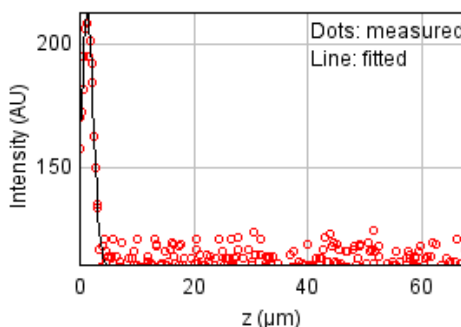
b = -0.340 px

c = 0.407 px

xc = 6.556 px

yc = 6.523 px

Z profile & fitting parameters:



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

Sum of residuals squared: 10413.2091

Standard deviation: 5.82402

R^2 : 0.89053

Parameters:

a = 110.09006

b = 213.56375

c = 1.43512

d = 1.05147

Bead 148 (Rejected)

Date : Mon Oct 17 13:50:31 PDT 2022

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

Frame size : 12 pixels

Coordinates : 138 μm (x), -95.4 μm (y), 19.2 μm (z)

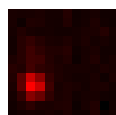
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.3 μm	2.3 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

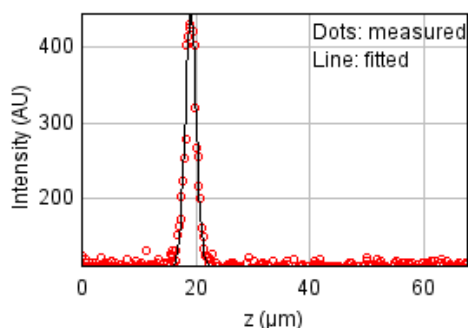
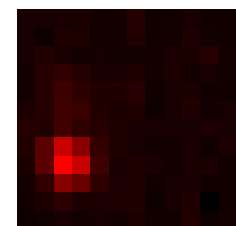
XY profile & fitting parameters :

(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: 18106.0916

Standard deviation: 7.67968

R²: 0.97857

Parameters:

a = 111.25164

b = 444.35887

c = 19.19663

d = 0.97474

Bead 149 (Rejected)

Date : Mon Oct 17 13:50:31 PDT 2022

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

Frame size : 12 pixels

Coordinates : 84.7 μm (x), 82.5 μm (y), 3.84 μm (z)

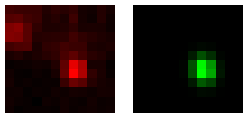
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

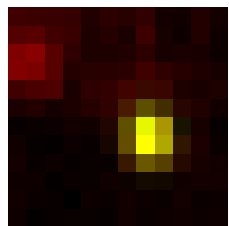
FWHM	Non corrected	Corrected	Theoretical
min	406 nm	422 nm	270 nm
max	497 nm	518 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.816		
Theta	-81.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.613$



Parameters:

A = 262.382 (brightness)

B = 135.701 (background)

a = 0.810 px

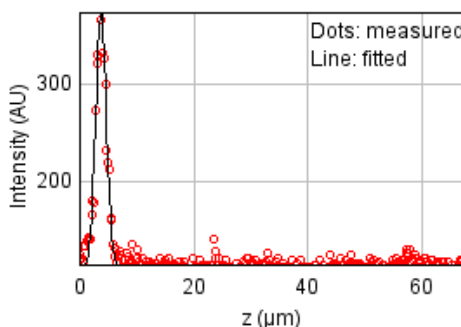
b = -0.038 px

c = 0.549 px

xc = 7.222 px

yc = 6.548 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21522.1968

Standard deviation: 8.37287

R^2 : 0.95669

Parameters:

a = 114.13837

b = 373.94996

c = 3.83570

d = 0.91831

Bead 150 (Rejected)

Date : Mon Oct 17 13:50:32 PDT 2022

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

Frame size : 12 pixels

Coordinates : -2.78 μm (x), 58.4 μm (y), 5.26 μm (z)

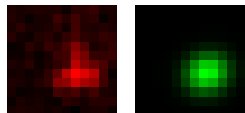
Corresponding bead : Not found

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

FWHM	Non corrected	Corrected	Theoretical
min	703 nm	733 nm	270 nm
max	795 nm	828 nm	270 nm
z	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.885		
Theta	21.6°		

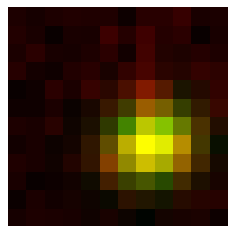
XY profile & fitting parameters :

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



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

$R^2 = 0.826$



Parameters:

A = 117.510 (brightness)

B = 120.387 (background)

a = 0.220 px

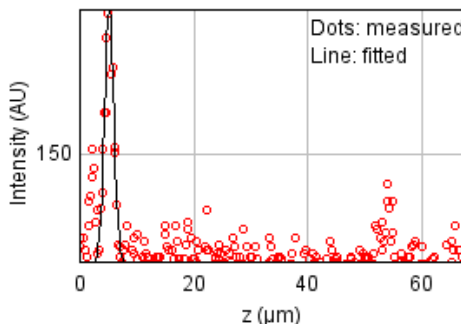
b = 0.020 px

c = 0.263 px

xc = 7.349 px

yc = 6.932 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17741.6546

Standard deviation: 7.60200

R^2 : 0.71053

Parameters:

a = 114.81178

b = 197.74231

c = 5.26337

d = 0.82123

Bead 151 (Rejected)

Date : Mon Oct 17 13:50:32 PDT 2022

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

Frame size : 12 pixels

Coordinates : -114 μm (x), 53.6 μm (y), 3.12 μm (z)

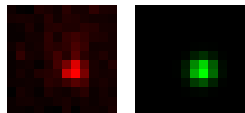
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

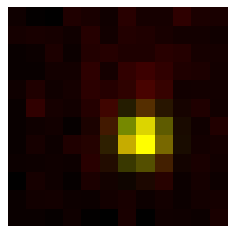
FWHM	Non corrected	Corrected	Theoretical
min	443 nm	461 nm	270 nm
max	461 nm	480 nm	270 nm
z	2.62 μm	2.63 μm	1.3 μm
Asymmetry	0.96		
Theta	33.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.863$



Parameters:

A = 172.367 (brightness)

B = 116.996 (background)

a = 0.647 px

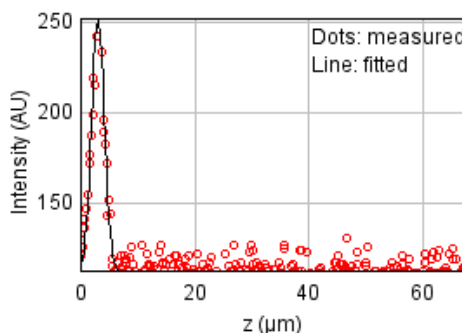
b = 0.025 px

c = 0.669 px

xc = 6.820 px

yc = 6.639 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15562.3459

Standard deviation: 7.11981

R^2 : 0.91418

Parameters:

a = 112.21692

b = 252.24392

c = 3.12224

d = 1.11408

Bead 152 (Rejected)

Date : Mon Oct 17 13:50:32 PDT 2022

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

Frame size : 12 pixels

Coordinates : -150 μm (x), 4.85 μm (y), 3.07 μm (z)

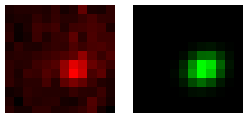
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

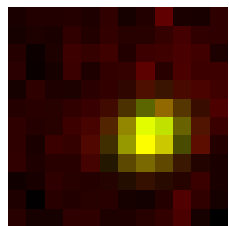
FWHM	Non corrected	Corrected	Theoretical
min	531 nm	553 nm	270 nm
max	647 nm	674 nm	270 nm
z	2.75 μm	2.76 μm	1.3 μm
Asymmetry	0.821		
Theta	28.5°		

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 = 88.472 (brightness)

B = 114.551 (background)

a = 0.356 px

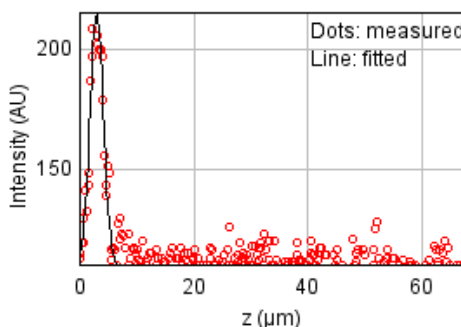
b = 0.065 px

c = 0.441 px

xc = 7.272 px

yc = 6.464 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13343.9161

Standard deviation: 6.59284

R^2 : 0.87837

Parameters:

a = 110.47345

b = 214.96244

c = 3.07270

d = 1.16633

Bead 153 (Rejected)

Date : Mon Oct 17 13:50:32 PDT 2022

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

Frame size : 12 pixels

Coordinates : 147 um (x), 3.64 um (y), 2.56 um (z)

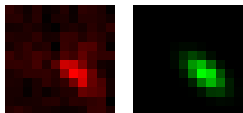
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

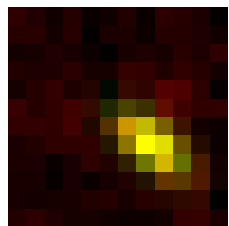
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	802 nm	835 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.521		
Theta	-41.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.839$



Parameters:

A = 119.843 (brightness)

B = 115.612 (background)

a = 0.450 px

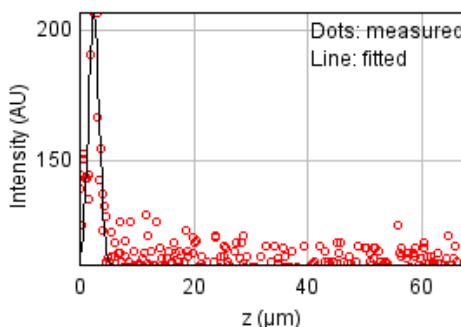
b = -0.277 px

c = 0.527 px

xc = 7.325 px

yc = 6.956 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17861.3997

Standard deviation: 7.62761

R^2 : 0.79074

Parameters:

a = 110.07485

b = 207.28373

c = 2.56147

d = 0.93180

Bead 154 (Rejected)

Date : Mon Oct 17 13:50:33 PDT 2022

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

Frame size : 12 pixels

Coordinates : 158 μm (x), -2.52 μm (y), 2.38 μm (z)

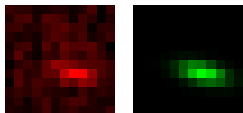
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	366 nm	381 nm	270 nm
max	870 nm	906 nm	270 nm
z	3.37 μm	3.39 μm	1.3 μm
Asymmetry	0.421		
Theta	-13.1°		

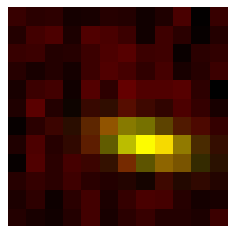
XY profile & fitting parameters :

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



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

$R^2 = 0.704$



Parameters:

$A = 60.402$ (brightness)

$B = 114.203$ (background)

$a = 0.220$ px

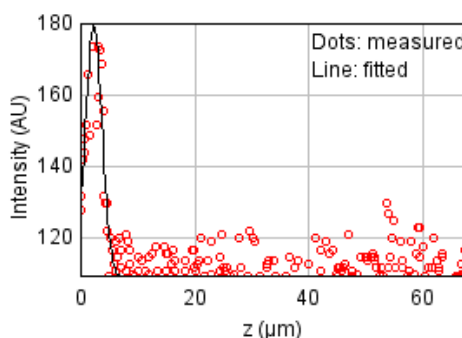
$b = -0.182$ px

$c = 0.959$ px

$xc = 7.112$ px

$yc = 6.937$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 12096.9238

Standard deviation: 6.27723

$R^2: 0.81561$

Parameters:

$a = 109.21270$

$b = 180.05255$

$c = 2.37884$

$d = 1.43201$

Bead 155

Date : Mon Oct 17 13:50:33 PDT 2022

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

Frame size : 12 pixels

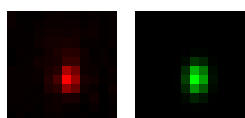
Coordinates : -31.2 μm (x), -25.4 μm (y), 4.26 μm (z)

Corresponding bead : Not found

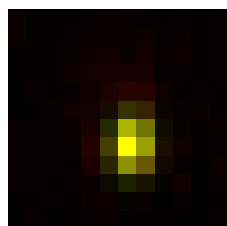
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	394 nm	270 nm
max	541 nm	563 nm	270 nm
z	1.98 μm	1.98 μm	1.3 μm
Asymmetry	0.699		
Theta	87.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 556.904 (brightness)

B = 124.883 (background)

a = 0.938 px

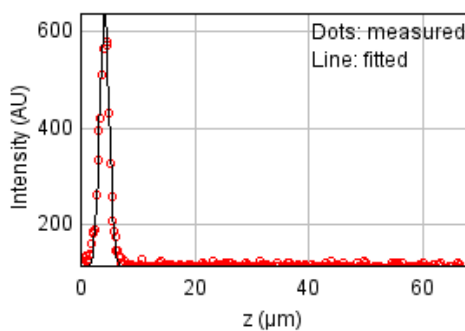
b = 0.019 px

c = 0.460 px

xc = 6.252 px

yc = 6.876 px

Z profile & fitting parameters:



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

Sum of residuals squared: 34065.7076

Standard deviation: 10.53391

R^2 : 0.98120

Parameters:

a = 115.00799

b = 639.33689

c = 4.26230

d = 0.83938

Bead 156 (Rejected)

Date : Mon Oct 17 13:50:33 PDT 2022

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

Frame size : 12 pixels

Coordinates : 125 μm (x), -37.6 μm (y), 1.46 μm (z)

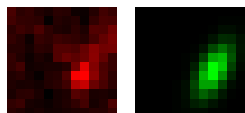
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

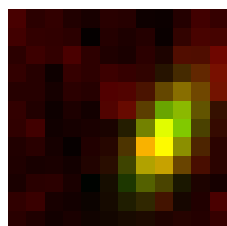
FWHM	Non corrected	Corrected	Theoretical
min	501 nm	521 nm	270 nm
max	1.03 μm	1.07 μm	270 nm
z	2.71 μm	2.72 μm	1.3 μm
Asymmetry	0.488		
Theta	62.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.728$



Parameters:

A = 81.633 (brightness)

B = 119.349 (background)

a = 0.448 px

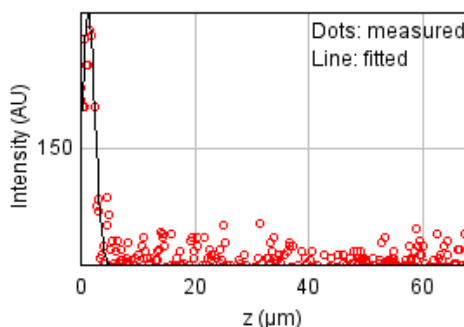
b = 0.167 px

c = 0.215 px

xc = 8.089 px

yc = 6.424 px

Z profile & fitting parameters:



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

Sum of residuals squared: 12614.1696

Standard deviation: 6.41003

R^2 : 0.83601

Parameters:

a = 110.16861

b = 196.83998

c = 1.46186

d = 1.15078

Bead 157 (Rejected)

Date : Mon Oct 17 13:50:33 PDT 2022

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

Frame size : 12 pixels

Coordinates : -55.5 μm (x), -39.6 μm (y), 1.36 μm (z)

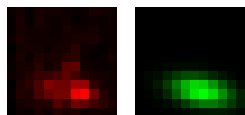
Corresponding bead : Not found

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

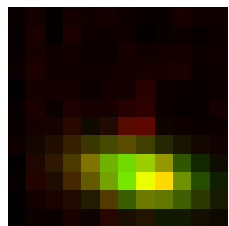
FWHM	Non corrected	Corrected	Theoretical
min	520 nm	542 nm	270 nm
max	1.11 μm	1.15 μm	270 nm
z	3.23 μm	3.25 μm	1.3 μm
Asymmetry	0.469		
Theta	-11.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 189.845 (brightness)

B = 121.808 (background)

a = 0.125 px

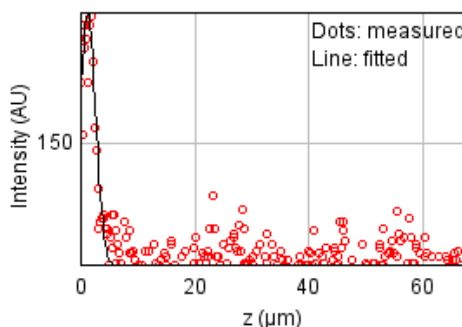
b = -0.076 px

c = 0.480 px

xc = 6.682 px

yc = 8.673 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15536.4603

Standard deviation: 7.11389

R^2 : 0.79461

Parameters:

a = 112.16952

b = 190.65763

c = 1.35652

d = 1.37280

Bead 158 (Rejected)

Date : Mon Oct 17 13:50:33 PDT 2022

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

Frame size : 12 pixels

Coordinates : 45.9 μm (x), -45.3 μm (y), 1.58 μm (z)

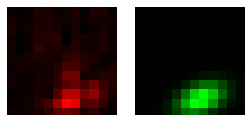
Corresponding bead : Not found

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

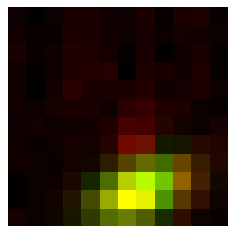
FWHM	Non corrected	Corrected	Theoretical
min	512 nm	534 nm	270 nm
max	886 nm	923 nm	270 nm
z	3.79 μm	3.8 μm	1.3 μm
Asymmetry	0.578		
Theta	23.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.808$



Parameters:

A = 192.559 (brightness)

B = 121.465 (background)

a = 0.225 px

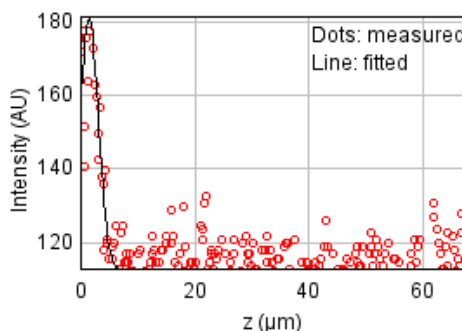
b = 0.124 px

c = 0.457 px

xc = 6.639 px

yc = 9.552 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15514.5886

Standard deviation: 7.10888

R^2 : 0.77460

Parameters:

a = 112.71919

b = 181.47252

c = 1.58086

d = 1.60833

Bead 159 (Rejected)

Date : Mon Oct 17 13:50:34 PDT 2022

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

Frame size : 12 pixels

Coordinates : 146 μm (x), -49.7 μm (y), 1.69 μm (z)

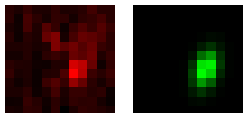
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

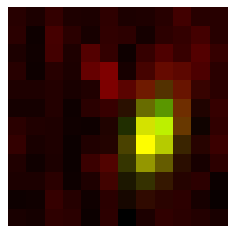
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	696 nm	725 nm	270 nm
z	2.65 μm	2.66 μm	1.3 μm
Asymmetry	0.582		
Theta	74.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.650$



Parameters:

A = 91.910 (brightness)

B = 118.243 (background)

a = 0.780 px

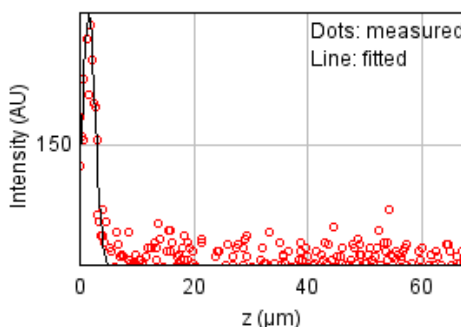
b = 0.140 px

c = 0.316 px

xc = 7.455 px

yc = 6.484 px

Z profile & fitting parameters:



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

Sum of residuals squared: 11458.9350

Standard deviation: 6.10946

R^2 : 0.83816

Parameters:

a = 110.03038

b = 193.70312

c = 1.69218

d = 1.12414

Bead 160 (Rejected)

Date : Mon Oct 17 13:50:34 PDT 2022

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

Frame size : 12 pixels

Coordinates : 29.9 μm (x), 96.0 μm (y), 4.56 μm (z)

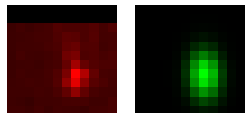
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

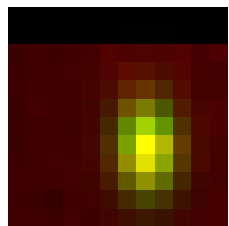
FWHM	Non corrected	Corrected	Theoretical
min	584 nm	608 nm	270 nm
max	915 nm	953 nm	270 nm
z	2.2 μm	2.2 μm	1.3 μm
Asymmetry	0.639		
Theta	-88.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.579$



Parameters:

A = 292.061 (brightness)

B = 93.219 (background)

a = 0.393 px

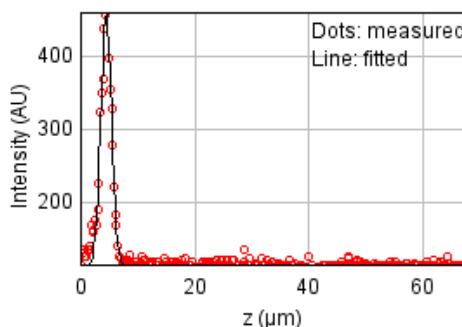
b = -0.007 px

c = 0.161 px

xc = 7.076 px

yc = 7.120 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19715.4907

Standard deviation: 8.01373

R^2 : 0.97743

Parameters:

a = 113.84851

b = 459.55485

c = 4.55723

d = 0.93241

Bead 161 (Rejected)

Date : Mon Oct 17 13:50:34 PDT 2022

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

Frame size : 12 pixels

Coordinates : -154 μm (x), 86.5 μm (y), 794 nm (z)

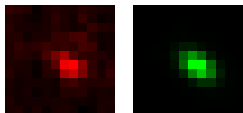
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

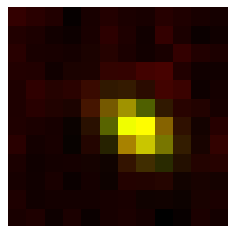
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	651 nm	678 nm	270 nm
z	3.42 μm	3.43 μm	1.3 μm
Asymmetry	0.642		
Theta	-35.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.887$



Parameters:

A = 177.589 (brightness)

B = 115.481 (background)

a = 0.470 px

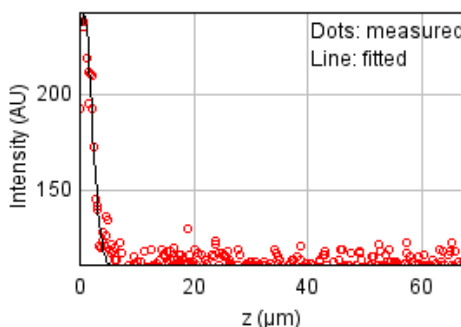
b = -0.214 px

c = 0.615 px

xc = 6.559 px

yc = 6.141 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16324.5000

Standard deviation: 7.29207

R^2 : 0.90462

Parameters:

a = 111.46781

b = 242.58495

c = 0.79434

d = 1.45052

Bead 162 (Rejected)

Date : Mon Oct 17 13:50:34 PDT 2022

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

Frame size : 12 pixels

Coordinates : -145 μm (x), 67.7 μm (y), 3.53 μm (z)

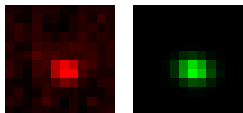
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

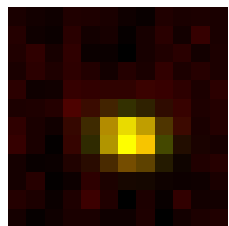
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	463 nm	270 nm
max	593 nm	618 nm	270 nm
z	2.93 μm	2.94 μm	1.3 μm
Asymmetry	0.749		
Theta	-8.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.876$



Parameters:

$A = 128.978$ (brightness)

$B = 117.113$ (background)

$a = 0.387$ px

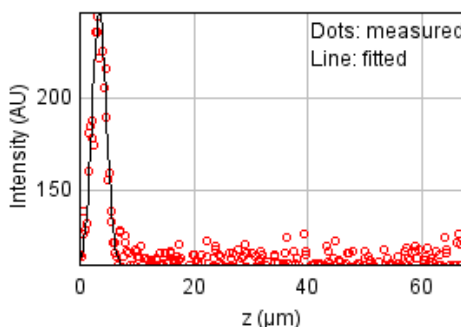
$b = -0.041$ px

$c = 0.674$ px

$xc = 6.141$ px

$yc = 6.619$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18996.9539

Standard deviation: 7.86634

$R^2: 0.90219$

Parameters:

$a = 109.86256$

$b = 246.69516$

$c = 3.53318$

$d = 1.24214$

Bead 163 (Rejected)

Date : Mon Oct 17 13:50:34 PDT 2022

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

Frame size : 12 pixels

Coordinates : 3.45 μm (x), 53.9 μm (y), 3.93 μm (z)

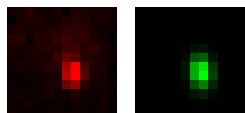
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

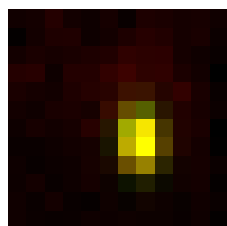
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	589 nm	613 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.657		
Theta	-84.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 281.548 (brightness)

B = 123.470 (background)

a = 0.892 px

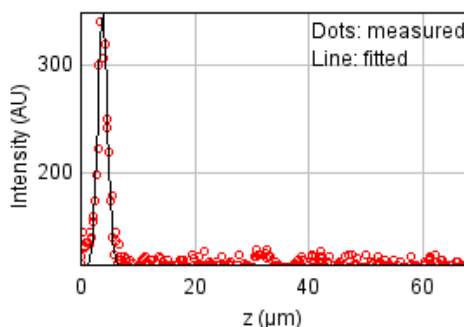
b = -0.045 px

c = 0.391 px

xc = 6.702 px

yc = 6.594 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21937.4926

Standard deviation: 8.45326

R^2 : 0.94150

Parameters:

a = 114.86107

b = 348.62825

c = 3.92936

d = 0.83867

Bead 164

Date : Mon Oct 17 13:50:35 PDT 2022

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

Frame size : 12 pixels

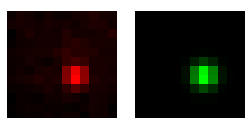
Coordinates : -107 μm (x), 51.0 μm (y), 3.89 μm (z)

Corresponding bead : Not found

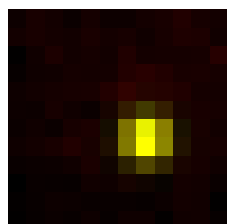
FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	443 nm	462 nm	270 nm
z	2.57 μm	2.58 μm	1.3 μm
Asymmetry	0.992		
Theta	-76.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 329.701$ (brightness)

$B = 122.043$ (background)

$a = 0.693$ px

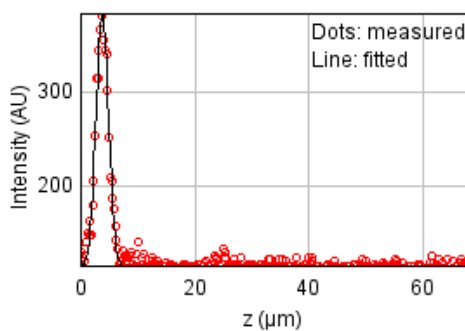
$b = -0.002$ px

$c = 0.683$ px

$x_c = 7.038$ px

$y_c = 6.539$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17934.0966

Standard deviation: 7.64312

$R^2: 0.97143$

Parameters:

$a = 113.29851$

$b = 384.37595$

$c = 3.88644$

$d = 1.09256$

Bead 165

Date : Mon Oct 17 13:50:35 PDT 2022

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

Frame size : 12 pixels

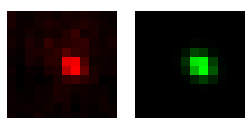
Coordinates : 108 μm (x), 32.3 μm (y), 4.41 μm (z)

Corresponding bead : Not found

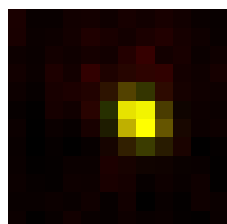
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	476 nm	496 nm	270 nm
z	2.6 μm	2.61 μm	1.3 μm
Asymmetry	0.816		
Theta	-44.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.931$



Parameters:

$A = 328.520$ (brightness)

$B = 117.294$ (background)

$a = 0.738$ px

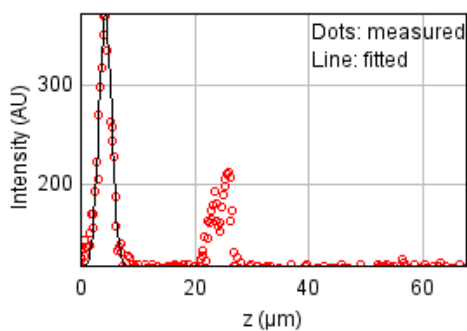
$b = -0.148$ px

$c = 0.743$ px

$x_c = 6.643$ px

$y_c = 5.456$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 116158.165

Standard deviation: 19.45162

$R^2: 0.82414$

Parameters:

$a = 117.91702$

$b = 372.71544$

$c = 4.40522$

$d = 1.10455$

Bead 166

Date : Mon Oct 17 13:50:35 PDT 2022

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

Frame size : 12 pixels

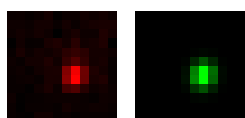
Coordinates : -90.2 μm (x), 16.9 μm (y), 4.38 μm (z)

Corresponding bead : Not found

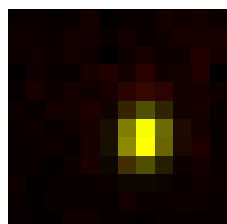
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	483 nm	503 nm	270 nm
z	2.39 μm	2.4 μm	1.3 μm
Asymmetry	0.855		
Theta	79.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 319.362 (brightness)

B = 119.780 (background)

a = 0.781 px

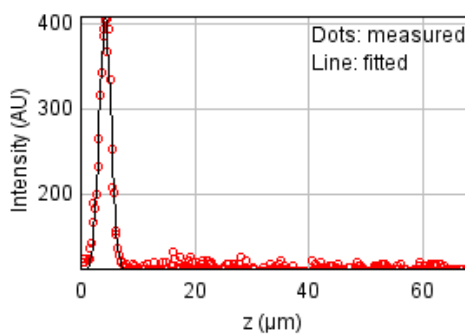
b = 0.038 px

c = 0.582 px

xc = 6.921 px

yc = 6.509 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16958.8181

Standard deviation: 7.43239

R^2 : 0.97562

Parameters:

a = 113.21444

b = 409.11051

c = 4.38415

d = 1.01619

Bead 167

Date : Mon Oct 17 13:50:35 PDT 2022

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

Frame size : 12 pixels

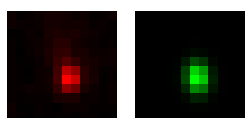
Coordinates : 49.1 μm (x), -10.2 μm (y), 4.66 μm (z)

Corresponding bead : Not found

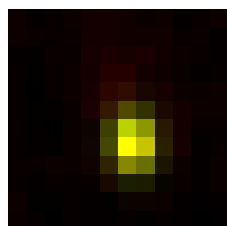
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	566 nm	590 nm	270 nm
z	2.41 μm	2.42 μm	1.3 μm
Asymmetry	0.74		
Theta	-84.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 596.879$ (brightness)

$B = 129.286$ (background)

$a = 0.761$ px

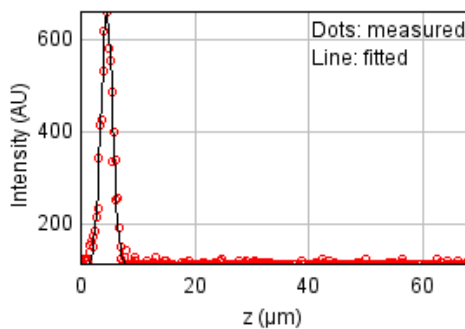
$b = -0.034$ px

$c = 0.422$ px

$x_c = 6.320$ px

$y_c = 6.766$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 40139.7103

Standard deviation: 11.43452

$R^2 = 0.98296$

Parameters:

$a = 114.37296$

$b = 659.56033$

$c = 4.66363$

$d = 1.02180$

Bead 168

Date : Mon Oct 17 13:50:35 PDT 2022

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

Frame size : 12 pixels

Coordinates : -71.1 μm (x), -34.1 μm (y), 4.25 μm (z)

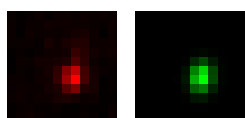
Corresponding bead : Not found



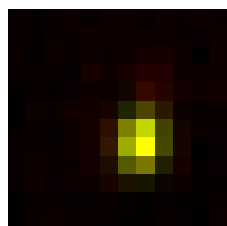
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	538 nm	560 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.748		
Theta	81.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 412.211$ (brightness)

$B = 123.700$ (background)

$a = 0.821$ px

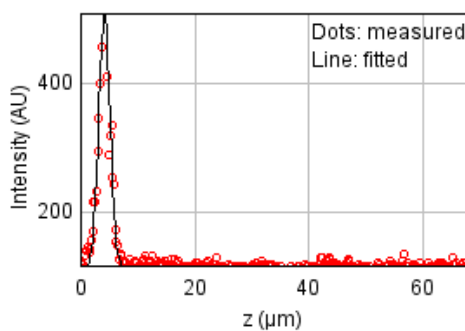
$b = 0.055$ px

$c = 0.472$ px

$x_c = 6.760$ px

$y_c = 6.722$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38925.1721

Standard deviation: 11.26020

$R^2: 0.96791$

Parameters:

$a = 115.26571$

$b = 510.68426$

$c = 4.24572$

$d = 0.98266$

Bead 169 (Rejected)

Date : Mon Oct 17 13:50:36 PDT 2022

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

Frame size : 12 pixels

Coordinates : -98.2 μm (x), -55.3 μm (y), 5.92 μm (z)

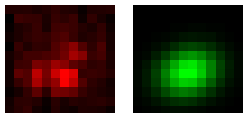
Corresponding bead : Not found

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

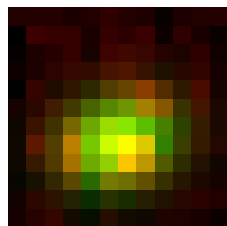
FWHM	Non corrected	Corrected	Theoretical
min	869 nm	905 nm	270 nm
max	1.12 μm	1.16 μm	270 nm
z	1.63 μm	1.64 μm	1.3 μm
Asymmetry	0.777		
Theta	18.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.721$



Parameters:

A = 95.332 (brightness)

B = 117.842 (background)

a = 0.115 px

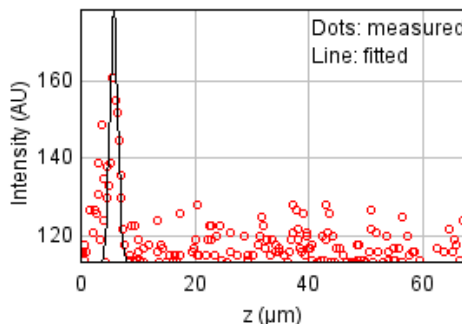
b = 0.021 px

c = 0.171 px

xc = 5.535 px

yc = 6.840 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16726.5832

Standard deviation: 7.38133

R^2 : 0.57731

Parameters:

a = 113.15658

b = 178.28201

c = 5.92049

d = 0.69374

Bead 170 (Rejected)

Date : Mon Oct 17 13:50:36 PDT 2022

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

Frame size : 12 pixels

Coordinates : 85.2 um (x), -65.8 um (y), 5.31 um (z)

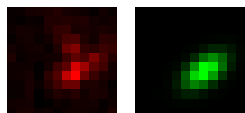
Corresponding bead : Not found

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

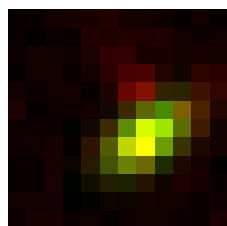
FWHM	Non corrected	Corrected	Theoretical
min	473 nm	493 nm	270 nm
max	847 nm	882 nm	270 nm
z	2.87 um	2.88 um	1.3 um
Asymmetry	0.558		
Theta	36.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 183.457 (brightness)

B = 120.211 (background)

a = 0.334 px

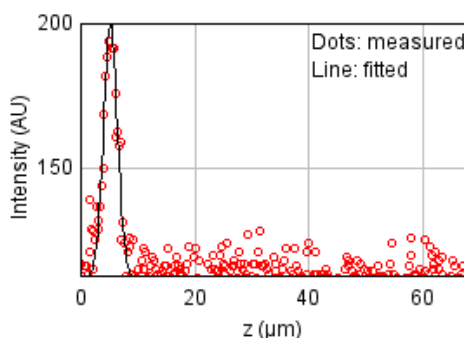
b = 0.198 px

c = 0.453 px

xc = 7.084 px

yc = 6.467 px

Z profile & fitting parameters:



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

Sum of residuals squared: 11752.2914

Standard deviation: 6.18717

R^2 : 0.85783

Parameters:

a = 112.18190

b = 200.04458

c = 5.31471

d = 1.21766

Bead 171

Date : Mon Oct 17 13:50:36 PDT 2022

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

Frame size : 12 pixels

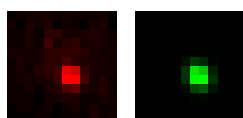
Coordinates : -115 μm (x), 90.8 μm (y), 4.31 μm (z)

Corresponding bead : Not found

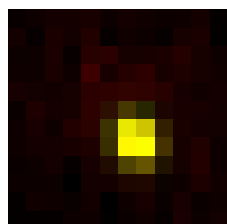
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	459 nm	478 nm	270 nm
z	2.51 μm	2.52 μm	1.3 μm
Asymmetry	0.848		
Theta	-63.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 301.354$ (brightness)

$B = 120.886$ (background)

$a = 0.838$ px

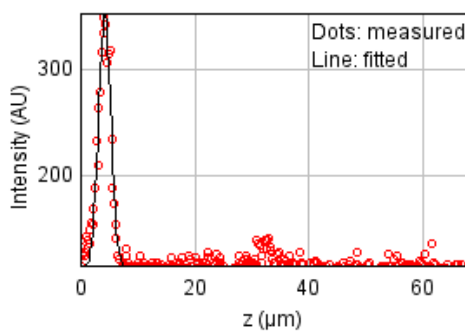
$b = -0.099$ px

$c = 0.686$ px

$x_c = 6.471$ px

$y_c = 6.617$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27426.0604

Standard deviation: 9.45176

$R^2: 0.94462$

Parameters:

$a = 114.14037$

$b = 354.50688$

$c = 4.30777$

$d = 1.06431$

Bead 172

Date : Mon Oct 17 13:50:36 PDT 2022

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

Frame size : 12 pixels

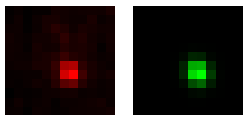
Coordinates : -81.9 μm (x), 78.3 μm (y), 4.08 μm (z)

Corresponding bead : Not found

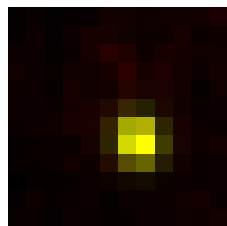
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	461 nm	480 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.872		
Theta	-70.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 350.390$ (brightness)

$B = 121.358$ (background)

$a = 0.807$ px

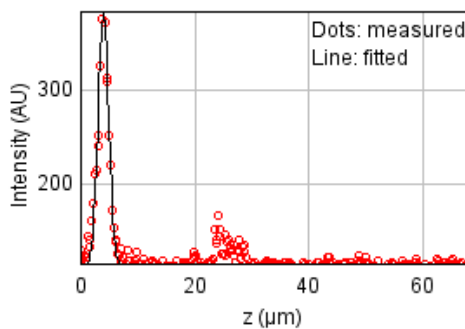
$b = -0.063$ px

$c = 0.653$ px

$x_c = 6.579$ px

$y_c = 6.745$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 36030.5025

Standard deviation: 10.83343

$R^2: 0.93236$

Parameters:

$a = 116.15902$

$b = 383.38388$

$c = 4.07734$

$d = 0.90617$

Bead 173 (Rejected)

Date : Mon Oct 17 13:50:36 PDT 2022

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

Frame size : 12 pixels

Coordinates : 7.01 μm (x), 72.7 μm (y), 4.53 μm (z)

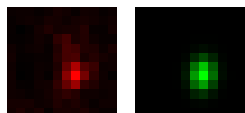
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

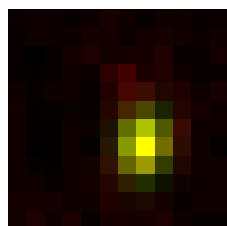
FWHM	Non corrected	Corrected	Theoretical
min	441 nm	459 nm	270 nm
max	596 nm	621 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.739		
Theta	84.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 289.062 (brightness)

B = 128.163 (background)

a = 0.688 px

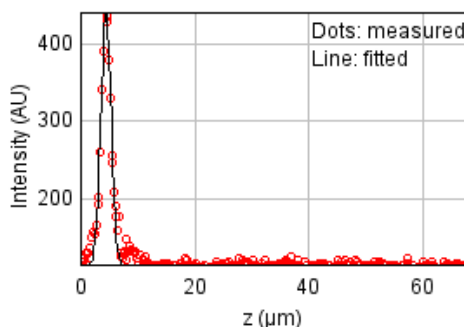
b = 0.031 px

c = 0.381 px

xc = 6.878 px

yc = 6.862 px

Z profile & fitting parameters:



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

Sum of residuals squared: 26988.9840

Standard deviation: 9.37614

R^2 : 0.96470

Parameters:

a = 114.17492

b = 442.21849

c = 4.52646

d = 0.89231

Bead 174

Date : Mon Oct 17 13:50:37 PDT 2022

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

Frame size : 12 pixels

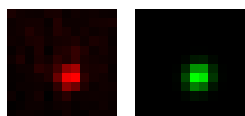
Coordinates : 122 μm (x), 56.0 μm (y), 4.39 μm (z)

Corresponding bead : Not found

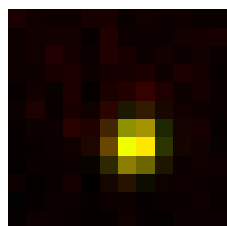
FWHM	Non corrected	Corrected	Theoretical
min	431 nm	449 nm	270 nm
max	475 nm	495 nm	270 nm
z	2.52 μm	2.53 μm	1.3 μm
Asymmetry	0.907		
Theta	57.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 286.407$ (brightness)

$B = 118.720$ (background)

$a = 0.686$ px

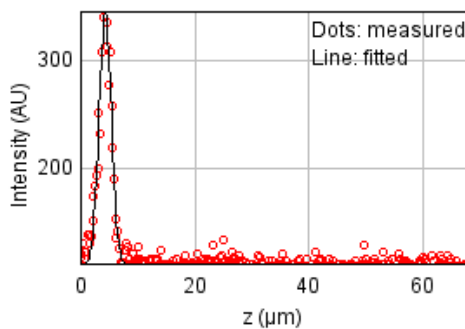
$b = 0.058$ px

$c = 0.632$ px

$x_c = 6.433$ px

$y_c = 6.898$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19555.4074

Standard deviation: 7.98113

$R^2: 0.95715$

Parameters:

$a = 112.61924$

$b = 344.31837$

$c = 4.39150$

$d = 1.06984$

Bead 175

Date : Mon Oct 17 13:50:37 PDT 2022

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

Frame size : 12 pixels

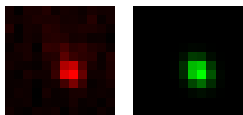
Coordinates : 88.4 μm (x), 51.2 μm (y), 4.49 μm (z)

Corresponding bead : Not found

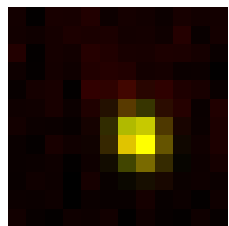
FWHM	Non corrected	Corrected	Theoretical
min	430 nm	448 nm	270 nm
max	515 nm	536 nm	270 nm
z	2.36 μm	2.37 μm	1.3 μm
Asymmetry	0.835		
Theta	-62.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 248.063$ (brightness)

$B = 120.880$ (background)

$a = 0.678$ px

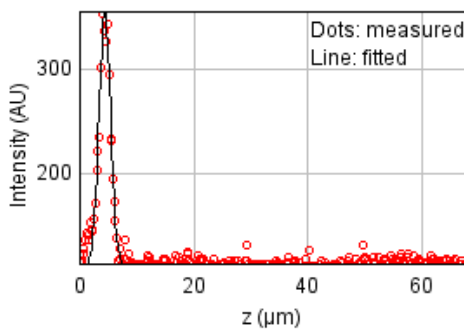
$b = -0.090$ px

$c = 0.554$ px

$x_c = 6.644$ px

$y_c = 6.656$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18911.3841

Standard deviation: 7.84860

$R^2: 0.95984$

Parameters:

$a = 113.39193$

$b = 356.27735$

$c = 4.49129$

$d = 1.00358$

Bead 176

Date : Mon Oct 17 13:50:37 PDT 2022

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

Frame size : 12 pixels

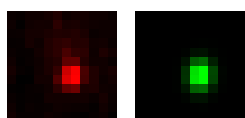
Coordinates : -4.05 μm (x), 46.2 μm (y), 4.7 μm (z)

Corresponding bead : Not found

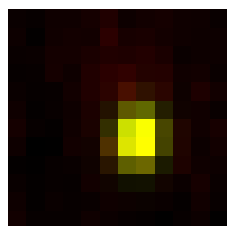
FWHM	Non corrected	Corrected	Theoretical
min	433 nm	451 nm	270 nm
max	546 nm	569 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.792		
Theta	87.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 393.681 (brightness)

B = 124.161 (background)

a = 0.716 px

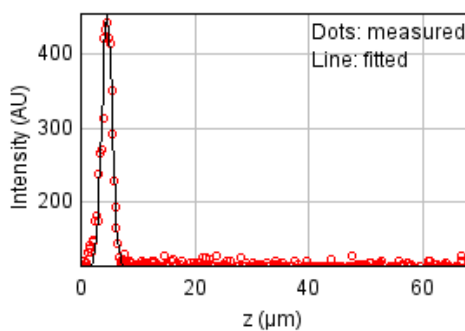
b = 0.013 px

c = 0.450 px

xc = 6.581 px

yc = 6.507 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20944.1288

Standard deviation: 8.25966

R^2 : 0.97484

Parameters:

a = 113.85204

b = 456.13066

c = 4.70371

d = 0.90223

Bead 177

Date : Mon Oct 17 13:50:37 PDT 2022

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

Frame size : 12 pixels

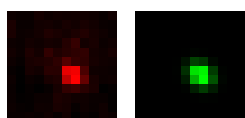
Coordinates : 108 μm (x), 32.3 μm (y), 4.41 μm (z)

Corresponding bead : Not found

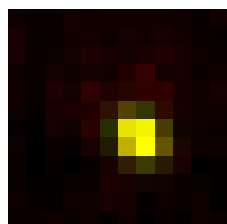
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	474 nm	494 nm	270 nm
z	2.6 μm	2.61 μm	1.3 μm
Asymmetry	0.816		
Theta	-44.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 328.805$ (brightness)

$B = 117.846$ (background)

$a = 0.744$ px

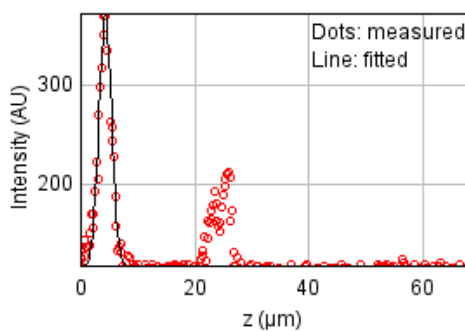
$b = -0.149$ px

$c = 0.749$ px

$x_c = 6.642$ px

$y_c = 6.457$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 116158.165

Standard deviation: 19.45162

$R^2: 0.82414$

Parameters:

$a = 117.91702$

$b = 372.71544$

$c = 4.40522$

$d = 1.10455$

Bead 178

Date : Mon Oct 17 13:50:37 PDT 2022

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

Frame size : 12 pixels

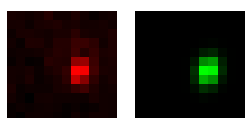
Coordinates : 86.6 μm (x), 28.9 μm (y), 4.1 μm (z)

Corresponding bead : Not found

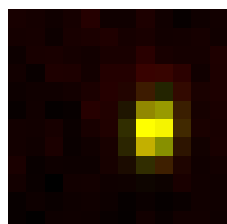
FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	528 nm	550 nm	270 nm
z	2.46 μm	2.47 μm	1.3 μm
Asymmetry	0.734		
Theta	78.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 248.667$ (brightness)

$B = 119.255$ (background)

$a = 0.876$ px

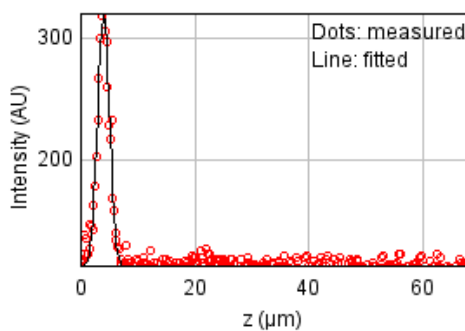
$b = 0.083$ px

$c = 0.498$ px

$x_c = 7.471$ px

$y_c = 6.051$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 13767.4543

Standard deviation: 6.69665

$R^2: 0.96129$

Parameters:

$a = 112.98770$

$b = 320.41542$

$c = 4.10331$

$d = 1.04336$

Bead 179 (Rejected)

Date : Mon Oct 17 13:50:37 PDT 2022

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

Frame size : 12 pixels

Coordinates : -47.1 μm (x), -19.6 μm (y), 2.5 μm (z)

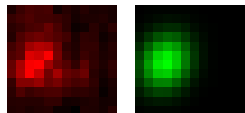
Corresponding bead : Not found

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

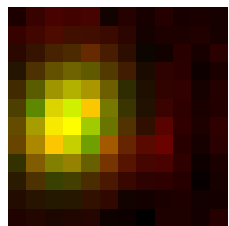
FWHM	Non corrected	Corrected	Theoretical
min	894 nm	931 nm	270 nm
max	1.06 μm	1.1 μm	270 nm
z	2.29 μm	2.3 μm	1.3 μm
Asymmetry	0.846		
Theta	63.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.852$



Parameters:

A = 159.891 (brightness)

B = 123.874 (background)

a = 0.158 px

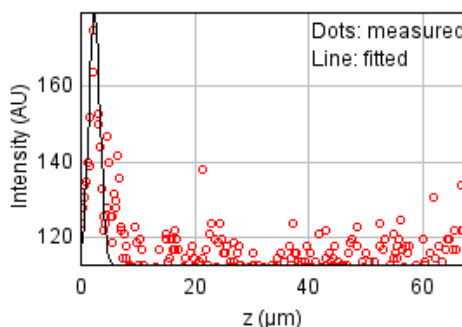
b = 0.019 px

c = 0.130 px

xc = 2.812 px

yc = 5.736 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18505.5154

Standard deviation: 7.76393

R^2 : 0.64277

Parameters:

a = 112.71978

b = 179.56594

c = 2.49550

d = 0.97428

Bead 180 (Rejected)

Date : Mon Oct 17 13:50:37 PDT 2022

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

Frame size : 12 pixels

Coordinates : -70.0 μm (x), -33.3 μm (y), 14.3 μm (z)

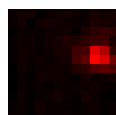
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.84 μm	3.86 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

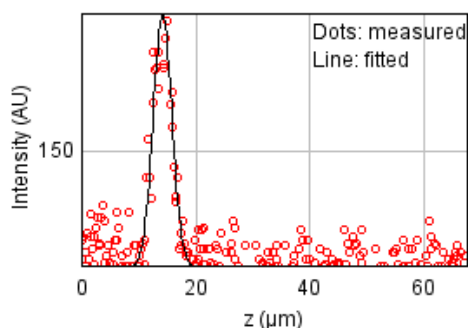
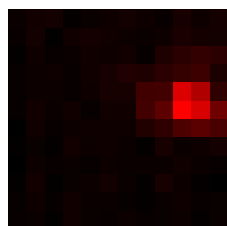
XY profile & fitting parameters :

(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: 16439.7750

Standard deviation: 7.31777

R²: 0.82539

Parameters:

a = 113.34597

b = 193.74903

c = 14.27153

d = 1.63132

Bead 181 (Rejected)

Date : Mon Oct 17 13:50:38 PDT 2022

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

Frame size : 12 pixels

Coordinates : -116 μm (x), -52.8 μm (y), 5.21 μm (z)

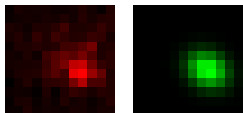
Corresponding bead : Not found

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

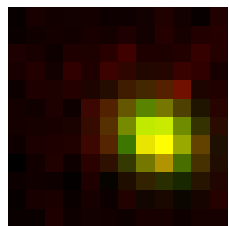
FWHM	Non corrected	Corrected	Theoretical
min	626 nm	652 nm	270 nm
max	772 nm	804 nm	270 nm
z	4.28 μm	4.3 μm	1.3 μm
Asymmetry	0.811		
Theta	-33.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.848$



Parameters:

A = 154.737 (brightness)

B = 120.844 (background)

a = 0.261 px

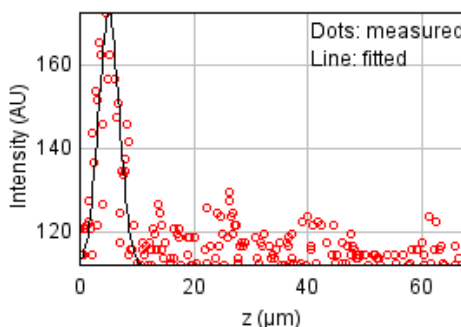
b = -0.054 px

c = 0.306 px

xc = 7.624 px

yc = 6.555 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17592.9241

Standard deviation: 7.57007

R^2 : 0.73418

Parameters:

a = 112.19097

b = 172.71556

c = 5.21320

d = 1.81890

Bead 182

Date : Mon Oct 17 13:50:38 PDT 2022

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

Frame size : 12 pixels

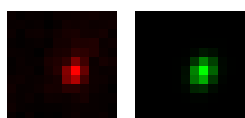
Coordinates : -111 μm (x), -56.0 μm (y), 4.67 μm (z)

Corresponding bead : Not found

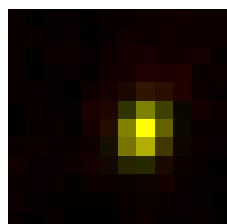
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	526 nm	547 nm	270 nm
z	2.21 μm	2.22 μm	1.3 μm
Asymmetry	0.751		
Theta	68.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 349.610$ (brightness)

$B = 118.434$ (background)

$a = 0.813$ px

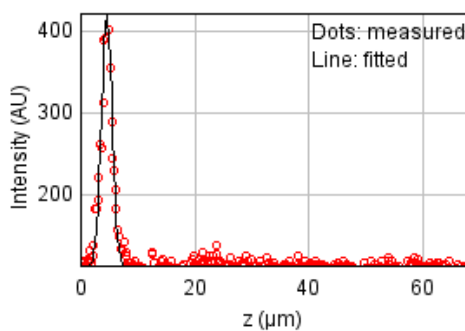
$b = 0.126$ px

$c = 0.535$ px

$x_c = 6.889$ px

$y_c = 6.170$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26597.5993

Standard deviation: 9.30791

$R^2: 0.96245$

Parameters:

$a = 113.52250$

$b = 421.35366$

$c = 4.66638$

$d = 0.93919$

Bead 183 (Rejected)

Date : Mon Oct 17 13:50:38 PDT 2022

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

Frame size : 12 pixels

Coordinates : -92.6 μm (x), -72.9 μm (y), 2.34 μm (z)

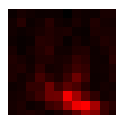
Corresponding bead : Not found

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	3.37 μm	3.39 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

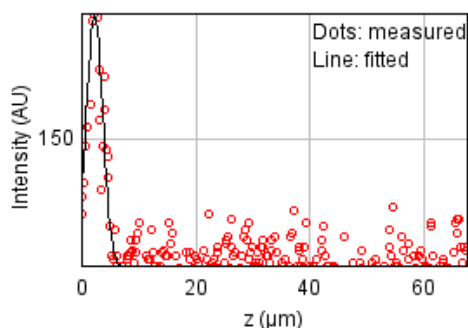
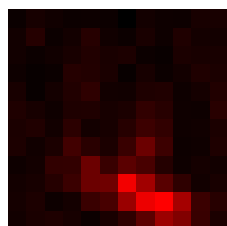
XY profile & fitting parameters :

(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: 15612.0598

Standard deviation: 7.13117

R²: 0.79813

Parameters:

a = 111.76905

b = 187.84405

c = 2.33918

d = 1.43320

Bead 184

Date : Mon Oct 17 13:50:38 PDT 2022

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

Frame size : 12 pixels

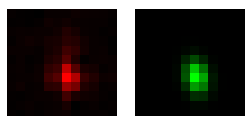
Coordinates : -28.8 μm (x), -84.1 μm (y), 4.36 μm (z)

Corresponding bead : Not found

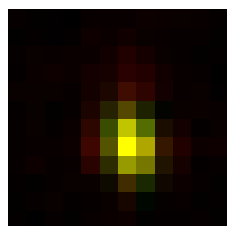
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	609 nm	635 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.678		
Theta	-78.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 424.595 (brightness)

B = 122.633 (background)

a = 0.771 px

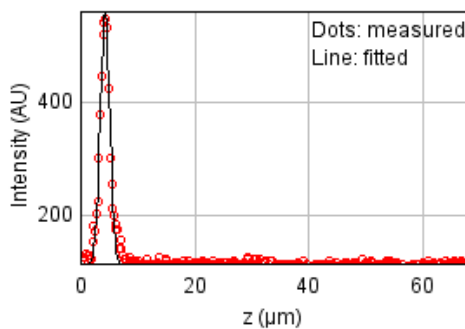
b = -0.082 px

c = 0.378 px

xc = 6.208 px

yc = 6.887 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30851.2147

Standard deviation: 10.02460

R^2 : 0.97624

Parameters:

a = 113.73893

b = 558.48387

c = 4.35569

d = 0.83168

Bead 185

Date : Mon Oct 17 13:50:38 PDT 2022

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

Frame size : 12 pixels

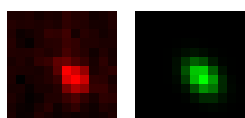
Coordinates : 149 μm (x), -84.7 μm (y), 4.36 μm (z)

Corresponding bead : Not found

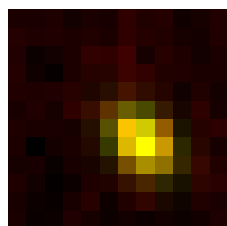
FWHM	Non corrected	Corrected	Theoretical
min	493 nm	513 nm	270 nm
max	705 nm	735 nm	270 nm
z	2.73 μm	2.74 μm	1.3 μm
Asymmetry	0.698		
Theta	-46.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 201.483 (brightness)

B = 116.340 (background)

a = 0.421 px

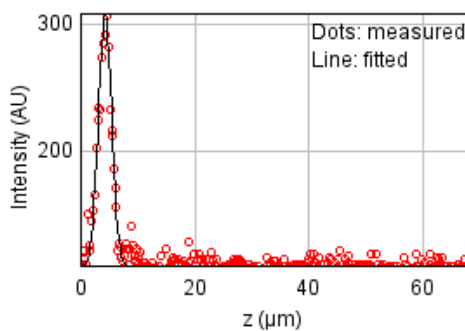
b = -0.141 px

c = 0.402 px

xc = 6.782 px

yc = 6.703 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18574.8914

Standard deviation: 7.77847

R^2 : 0.94867

Parameters:

a = 110.30813

b = 308.10726

c = 4.36261

d = 1.15955

Bead 186 (Rejected)

Date : Mon Oct 17 13:50:38 PDT 2022

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

Frame size : 12 pixels

Coordinates : -145 μm (x), 67.7 μm (y), 3.53 μm (z)

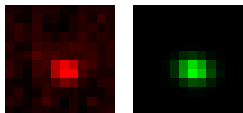
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

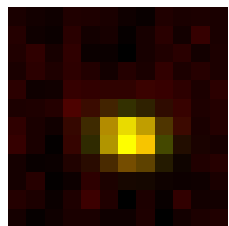
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	463 nm	270 nm
max	593 nm	618 nm	270 nm
z	2.93 μm	2.94 μm	1.3 μm
Asymmetry	0.749		
Theta	-8.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.876$



Parameters:

A = 128.978 (brightness)

B = 117.113 (background)

a = 0.387 px

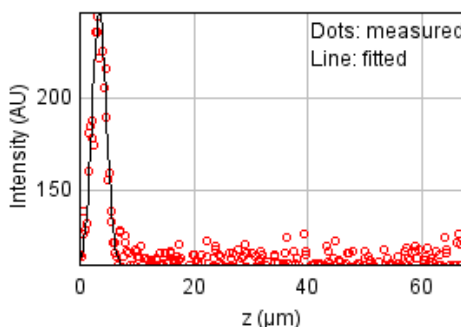
b = -0.041 px

c = 0.674 px

xc = 6.141 px

yc = 6.619 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18996.9539

Standard deviation: 7.86634

R^2 : 0.90219

Parameters:

a = 109.86256

b = 246.69516

c = 3.53318

d = 1.24214

Bead 187 (Rejected)

Date : Mon Oct 17 13:50:39 PDT 2022

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

Frame size : 12 pixels

Coordinates : 42.6 μm (x), 60.5 μm (y), 5.58 μm (z)

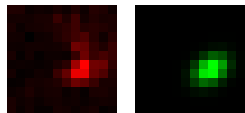
Corresponding bead : Not found

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

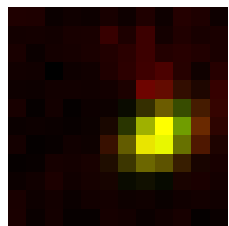
FWHM	Non corrected	Corrected	Theoretical
min	461 nm	480 nm	270 nm
max	644 nm	671 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.715		
Theta	35.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.818$



Parameters:

A = 205.303 (brightness)

B = 121.267 (background)

a = 0.425 px

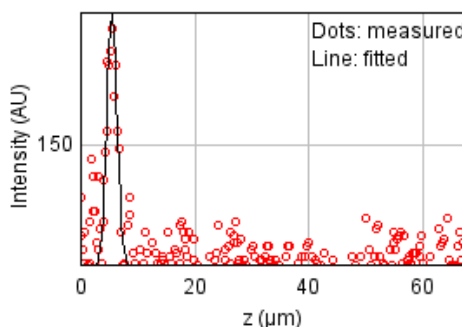
b = 0.146 px

c = 0.531 px

xc = 7.744 px

yc = 6.539 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15672.4376

Standard deviation: 7.14495

R^2 : 0.70276

Parameters:

a = 115.04652

b = 188.30138

c = 5.57671

d = 0.89939

Bead 188

Date : Mon Oct 17 13:50:39 PDT 2022

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

Frame size : 12 pixels

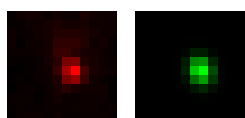
Coordinates : -29.1 μm (x), 52.7 μm (y), 4.77 μm (z)

Corresponding bead : Not found

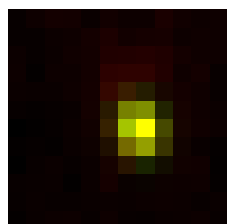
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	517 nm	538 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.802		
Theta	-73.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 397.398$ (brightness)

$B = 121.917$ (background)

$a = 0.757$ px

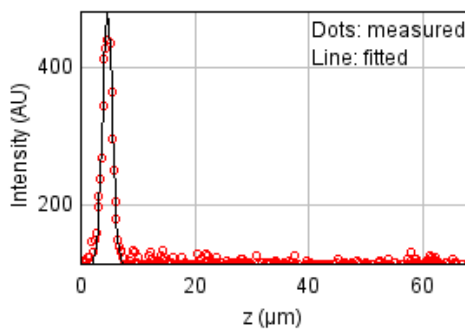
$b = -0.076$ px

$c = 0.525$ px

$x_c = 6.669$ px

$y_c = 6.002$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23551.5720

Standard deviation: 8.75872

$R^2: 0.97456$

Parameters:

$a = 114.25191$

$b = 482.31473$

$c = 4.77492$

$d = 0.86570$

Bead 189 (Rejected)

Date : Mon Oct 17 13:50:39 PDT 2022

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

Frame size : 12 pixels

Coordinates : 23.2 μm (x), 9.79 μm (y), 2.81 μm (z)

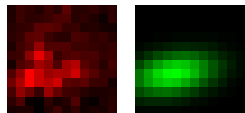
Corresponding bead : Not found

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

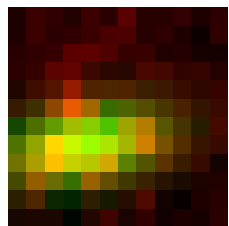
FWHM	Non corrected	Corrected	Theoretical
min	761 nm	793 nm	270 nm
max	1.57 μm	1.63 μm	270 nm
z	1.62 μm	1.63 μm	1.3 μm
Asymmetry	0.486		
Theta	10.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.647$



Parameters:

$A = 75.887$ (brightness)

$B = 123.712$ (background)

$a = 0.060$ px

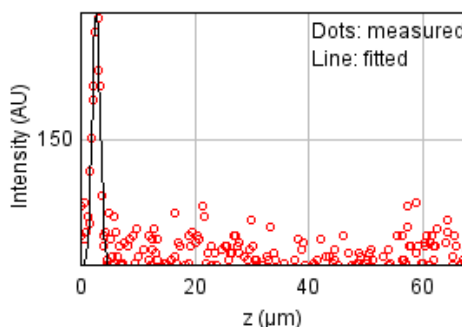
$b = 0.031$ px

$c = 0.226$ px

$xc = 3.637$ px

$yc = 7.022$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 13423.1101

Standard deviation: 6.61237

$R^2 = 0.68869$

Parameters:

$a = 113.22975$

$b = 187.67538$

$c = 2.81107$

$d = 0.68997$

Bead 190 (Rejected)

Date : Mon Oct 17 13:50:39 PDT 2022

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

Frame size : 12 pixels

Coordinates : 148 μm (x), -62.5 μm (y), 1.7 μm (z)

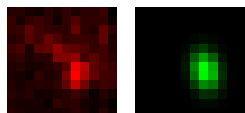
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

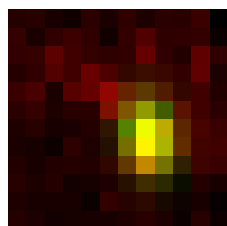
FWHM	Non corrected	Corrected	Theoretical
min	494 nm	514 nm	270 nm
max	724 nm	754 nm	270 nm
z	3.89 μm	3.9 μm	1.3 μm
Asymmetry	0.682		
Theta	-79.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.663$



Parameters:

A = 85.764 (brightness)

B = 115.729 (background)

a = 0.541 px

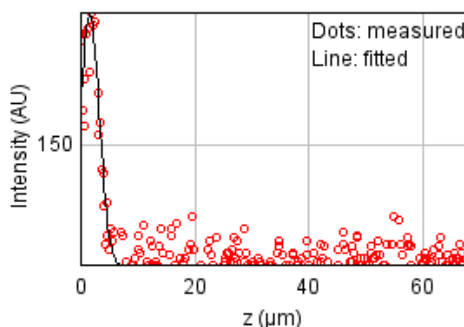
b = -0.051 px

c = 0.265 px

xc = 7.171 px

yc = 6.457 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13572.3403

Standard deviation: 6.64903

R^2 : 0.86235

Parameters:

a = 109.42380

b = 194.91879

c = 1.69567

d = 1.64991

Bead 191 (Rejected)

Date : Mon Oct 17 13:50:39 PDT 2022

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

Frame size : 12 pixels

Coordinates : -54.1 μm (x), -69.7 μm (y), 2.3 μm (z)

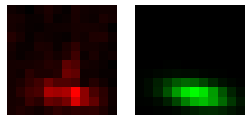
Corresponding bead : Not found

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

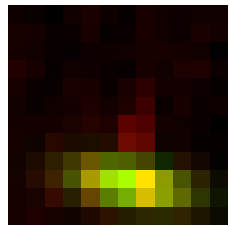
FWHM	Non corrected	Corrected	Theoretical
min	435 nm	453 nm	270 nm
max	1.12 μm	1.17 μm	270 nm
z	3.72 μm	3.73 μm	1.3 μm
Asymmetry	0.389		
Theta	-10.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.805$



Parameters:

A = 161.238 (brightness)

B = 119.283 (background)

a = 0.125 px

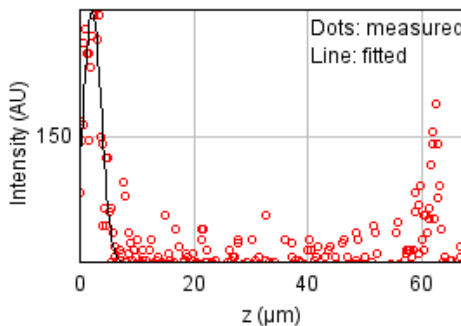
b = -0.104 px

c = 0.690 px

xc = 6.223 px

yc = 9.253 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25914.9162

Standard deviation: 9.18768

R^2 : 0.71360

Parameters:

a = 112.98719

b = 187.57761

c = 2.29835

d = 1.57924

Bead 192 (Rejected)

Date : Mon Oct 17 13:50:39 PDT 2022

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

Frame size : 12 pixels

Coordinates : 113 μm (x), -78.6 μm (y), 2.11 μm (z)

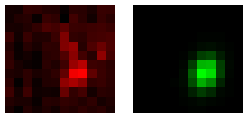
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	478 nm	498 nm	270 nm
max	633 nm	659 nm	270 nm
z	2.81 μm	2.82 μm	1.3 μm
Asymmetry	0.755		
Theta	71.6°		

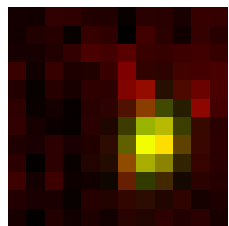
XY profile & fitting parameters :

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



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

$R^2 = 0.623$



Parameters:

A = 98.213 (brightness)

B = 117.339 (background)

a = 0.562 px

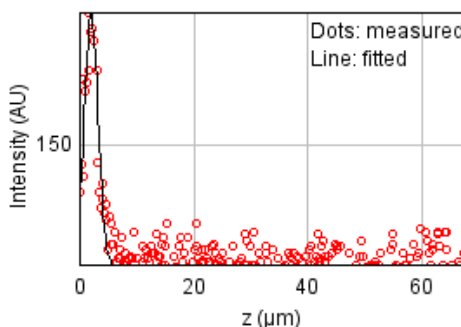
b = 0.076 px

c = 0.360 px

xc = 7.399 px

yc = 6.895 px

Z profile & fitting parameters:



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

Sum of residuals squared: 12159.6503

Standard deviation: 6.29349

R^2 : 0.83734

Parameters:

a = 110.68240

b = 194.00811

c = 2.10619

d = 1.19399

Bead 193 (Rejected)

Date : Mon Oct 17 13:50:39 PDT 2022

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

Frame size : 12 pixels

Coordinates : -161 μm (x), -86.6 μm (y), 3.97 μm (z)

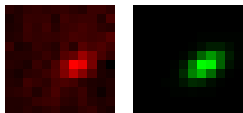
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

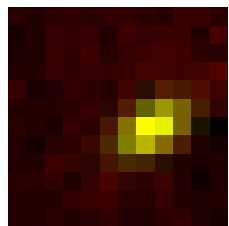
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	698 nm	727 nm	270 nm
z	2.38 μm	2.39 μm	1.3 μm
Asymmetry	0.585		
Theta	33.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.853$



Parameters:

A = 109.049 (brightness)

B = 114.389 (background)

a = 0.432 px

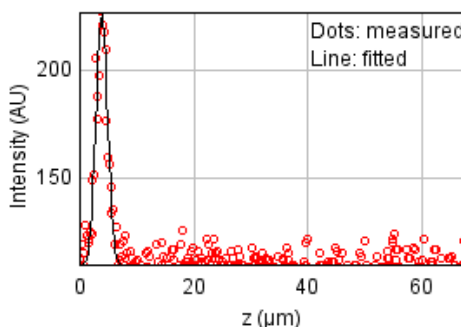
b = 0.242 px

c = 0.648 px

xc = 7.392 px

yc = 6.084 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14523.7413

Standard deviation: 6.87813

R^2 : 0.87667

Parameters:

a = 110.30657

b = 226.06485

c = 3.96663

d = 1.00962

Bead 194 (Rejected)

Date : Mon Oct 17 13:50:40 PDT 2022

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

Frame size : 12 pixels

Coordinates : -149 μm (x), -92.2 μm (y), 2.76 μm (z)

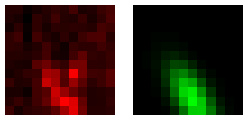
Corresponding bead : Not found

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

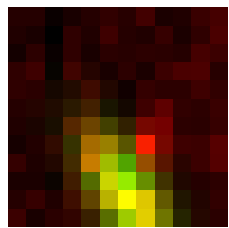
FWHM	Non corrected	Corrected	Theoretical
min	606 nm	631 nm	270 nm
max	1.36 μm	1.41 μm	270 nm
z	2.92 μm	2.94 μm	1.3 μm
Asymmetry	0.446		
Theta	-60.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.642$



Parameters:

A = 71.659 (brightness)

B = 117.825 (background)

a = 0.293 px

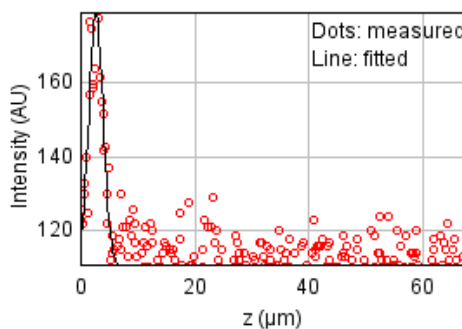
b = -0.126 px

c = 0.146 px

xc = 5.988 px

yc = 9.744 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13413.7797

Standard deviation: 6.61008

R^2 : 0.76693

Parameters:

a = 110.55311

b = 179.20740

c = 2.76498

d = 1.24207

Bead 195 (Rejected)

Date : Mon Oct 17 13:50:40 PDT 2022

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

Frame size : 12 pixels

Coordinates : 28.2 μm (x), 68.0 μm (y), 2.45 μm (z)

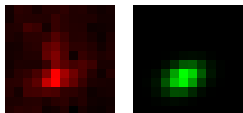
Corresponding bead : Not found

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

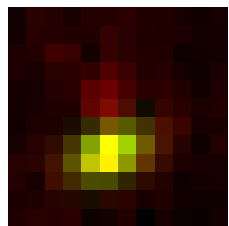
FWHM	Non corrected	Corrected	Theoretical
min	465 nm	484 nm	270 nm
max	700 nm	729 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.664		
Theta	22.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.783$



Parameters:

A = 210.276 (brightness)

B = 127.013 (background)

a = 0.327 px

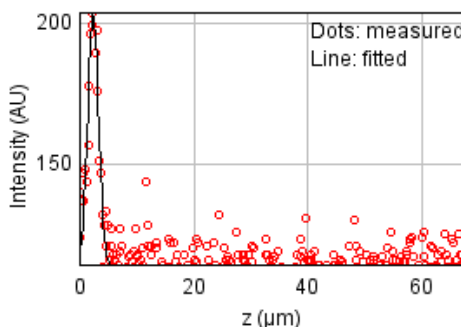
b = 0.124 px

c = 0.569 px

xc = 5.031 px

yc = 7.444 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15259.2484

Standard deviation: 7.05013

R^2 : 0.79417

Parameters:

a = 113.64424

b = 203.93318

c = 2.44503

d = 0.94269

Bead 196 (Rejected)

Date : Mon Oct 17 13:50:40 PDT 2022

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

Frame size : 12 pixels

Coordinates : 132 μm (x), 67.7 μm (y), 39.9 μm (z)

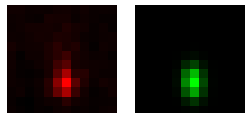
Corresponding bead : Not found

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

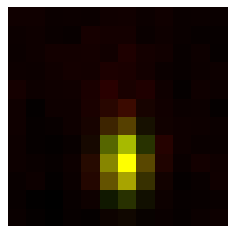
FWHM	Non corrected	Corrected	Theoretical
min	374 nm	390 nm	270 nm
max	596 nm	620 nm	270 nm
z	1.65 μm	1.66 μm	1.3 μm
Asymmetry	0.628		
Theta	-87.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 397.477 (brightness)

B = 120.755 (background)

a = 0.958 px

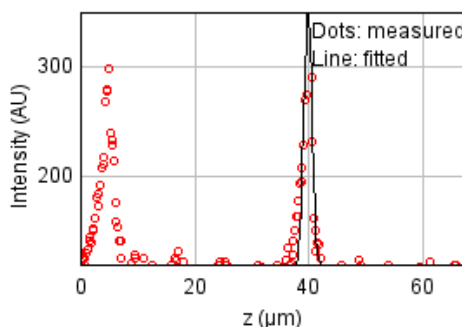
b = -0.022 px

c = 0.379 px

xc = 5.834 px

yc = 7.908 px

Z profile & fitting parameters:



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

Sum of residuals squared: 256599.746

Standard deviation: 28.91072

R^2 : 0.52738

Parameters:

a = 120.48247

b = 349.99653

c = 39.91084

d = 0.70034

Bead 197

Date : Mon Oct 17 13:50:40 PDT 2022

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

Frame size : 12 pixels

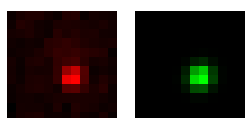
Coordinates : -95.3 μm (x), 56.3 μm (y), 4.48 μm (z)

Corresponding bead : Not found

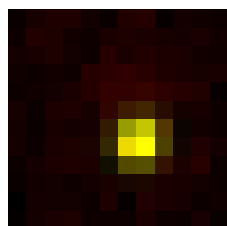
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	442 nm	460 nm	270 nm
z	2.61 μm	2.62 μm	1.3 μm
Asymmetry	0.932		
Theta	61.5°		

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:

$A = 235.639$ (brightness)

$B = 117.352$ (background)

$a = 0.768$ px

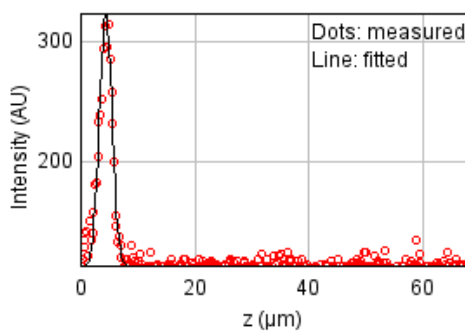
$b = 0.044$ px

$c = 0.711$ px

$x_c = 6.619$ px

$y_c = 6.697$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17328.8287

Standard deviation: 7.51304

$R^2 = 0.95623$

Parameters:

$a = 112.10480$

$b = 324.12275$

$c = 4.48359$

$d = 1.10974$

Bead 198

Date : Mon Oct 17 13:50:40 PDT 2022

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

Frame size : 12 pixels

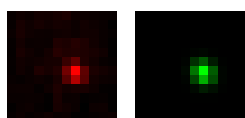
Coordinates : -67.3 μm (x), 33.3 μm (y), 4.62 μm (z)

Corresponding bead : Not found

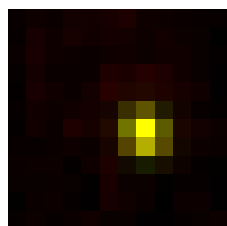
FWHM	Non corrected	Corrected	Theoretical
min	377 nm	393 nm	270 nm
max	435 nm	453 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.868		
Theta	-67.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 311.205$ (brightness)

$B = 118.309$ (background)

$a = 0.907$ px

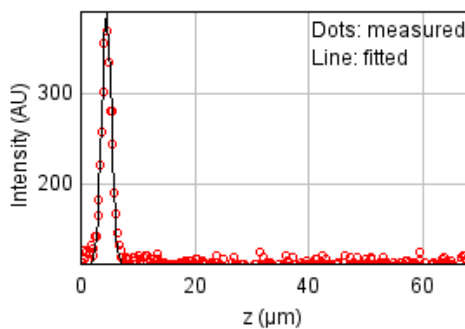
$b = -0.083$ px

$c = 0.745$ px

$x_c = 6.954$ px

$y_c = 6.239$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 16808.0826

Standard deviation: 7.39929

$R^2: 0.96775$

Parameters:

$a = 112.18840$

$b = 390.40029$

$c = 4.62290$

$d = 0.84640$

Bead 199 (Rejected)

Date : Mon Oct 17 13:50:41 PDT 2022

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

Frame size : 12 pixels

Coordinates : -145 μm (x), 1.07 μm (y), 3.9 μm (z)

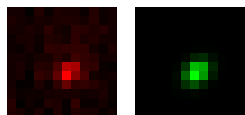
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

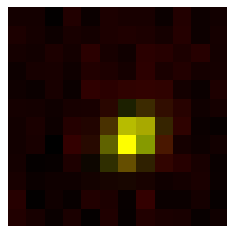
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	500 nm	521 nm	270 nm
z	2.57 μm	2.58 μm	1.3 μm
Asymmetry	0.76		
Theta	43.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 148.880 (brightness)

B = 115.044 (background)

a = 0.724 px

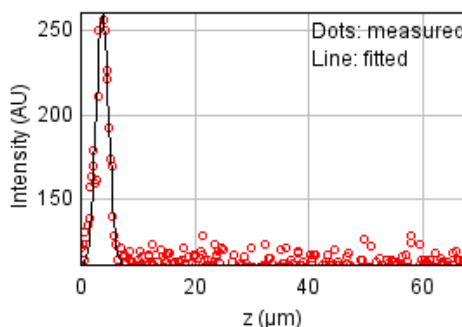
b = 0.196 px

c = 0.741 px

xc = 6.255 px

yc = 6.639 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16980.0253

Standard deviation: 7.43704

R^2 : 0.91709

Parameters:

a = 110.56005

b = 261.06413

c = 3.90305

d = 1.09150

Bead 200

Date : Mon Oct 17 13:50:41 PDT 2022

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

Frame size : 12 pixels

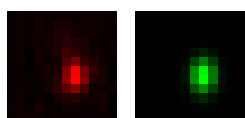
Coordinates : 55.9 μm (x), -47.5 μm (y), 5.05 μm (z)

Corresponding bead : Not found

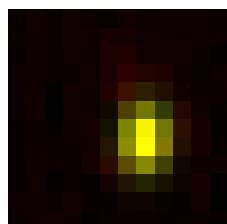
FWHM	Non corrected	Corrected	Theoretical
min	446 nm	465 nm	270 nm
max	627 nm	653 nm	270 nm
z	2.45 μm	2.46 μm	1.3 μm
Asymmetry	0.711		
Theta	88.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 435.156 (brightness)

B = 121.253 (background)

a = 0.673 px

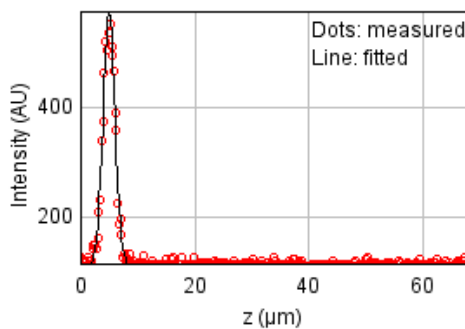
b = 0.008 px

c = 0.341 px

xc = 6.945 px

yc = 6.564 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31898.7680

Standard deviation: 10.19337

R^2 : 0.98151

Parameters:

a = 112.81520

b = 574.79957

c = 5.05404

d = 1.04145