

Bead 2301

Date : Mon Oct 17 13:53:04 PDT 2022

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

Frame size : 12 pixels

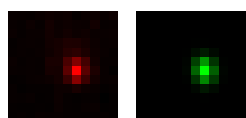
Coordinates : -44.0 μm (x), 69.4 μm (y), 44.8 μm (z)

Corresponding bead : Not found

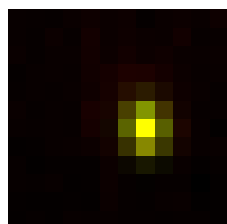
FWHM	Non corrected	Corrected	Theoretical
min	372 nm	388 nm	270 nm
max	481 nm	501 nm	270 nm
z	1.85 μm	1.85 μm	1.3 μm
Asymmetry	0.773		
Theta	-83.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 526.851 (brightness)

B = 120.113 (background)

a = 0.964 px

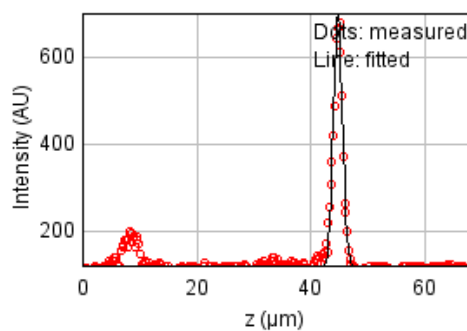
b = -0.043 px

c = 0.584 px

xc = 6.985 px

yc = 5.959 px

Z profile & fitting parameters:



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

Sum of residuals squared: 105777.215

Standard deviation: 18.56209

R^2 : 0.95139

Parameters:

a = 119.67924

b = 704.14153

c = 44.81136

d = 0.78444

Bead 2302

Date : Mon Oct 17 13:53:04 PDT 2022

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

Frame size : 12 pixels

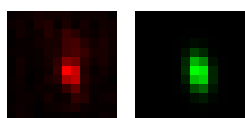
Coordinates : 135 μm (x), 58.1 μm (y), 44.5 μm (z)

Corresponding bead : Not found

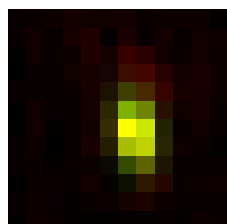
FWHM	Non corrected	Corrected	Theoretical
min	381 nm	397 nm	270 nm
max	652 nm	679 nm	270 nm
z	2.41 μm	2.42 μm	1.3 μm
Asymmetry	0.585		
Theta	-80.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.906$



Parameters:

$A = 310.218$ (brightness)

$B = 120.367$ (background)

$a = 0.908$ px

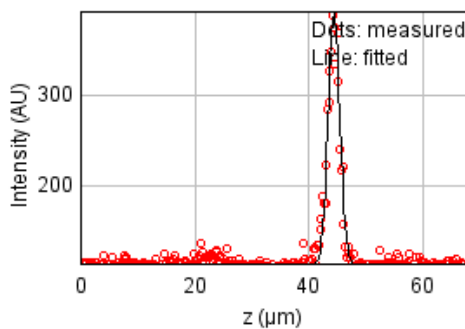
$b = -0.095$ px

$c = 0.331$ px

$x_c = 6.467$ px

$y_c = 6.191$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31595.4773

Standard deviation: 10.14479

$R^2: 0.95091$

Parameters:

$a = 112.24757$

$b = 392.43932$

$c = 44.46377$

$d = 1.02234$

Bead 2303

Date : Mon Oct 17 13:53:04 PDT 2022

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

Frame size : 12 pixels

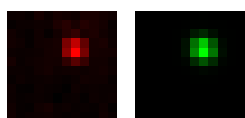
Coordinates : -121 μm (x), 50.3 μm (y), 18.6 μm (z)

Corresponding bead : Not found

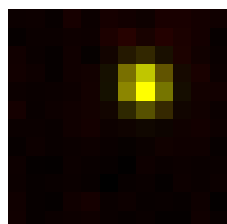
FWHM	Non corrected	Corrected	Theoretical
min	424 nm	441 nm	270 nm
max	449 nm	467 nm	270 nm
z	2.3 μm	2.31 μm	1.3 μm
Asymmetry	0.945		
Theta	-51.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 347.365$ (brightness)

$B = 116.478$ (background)

$a = 0.716$ px

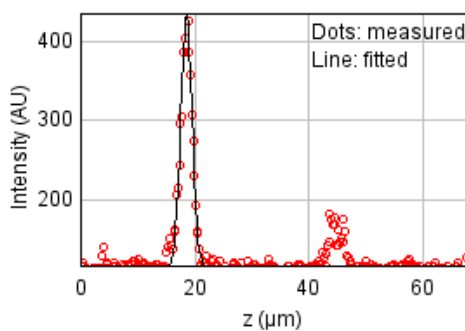
$b = -0.039$ px

$c = 0.699$ px

$x_c = 6.935$ px

$y_c = 3.676$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 55285.4154

Standard deviation: 13.41949

$R^2: 0.93228$

Parameters:

$a = 115.79372$

$b = 435.14941$

$c = 18.62395$

$d = 0.97605$

Bead 2304

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

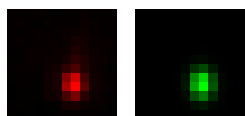
Coordinates : -47.8 μm (x), 18.4 μm (y), 45.6 μm (z)

Corresponding bead : Not found

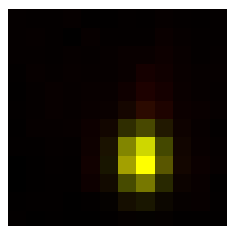
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	539 nm	561 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.769		
Theta	-89.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1511.751$ (brightness)

$B = 141.207$ (background)

$a = 0.783$ px

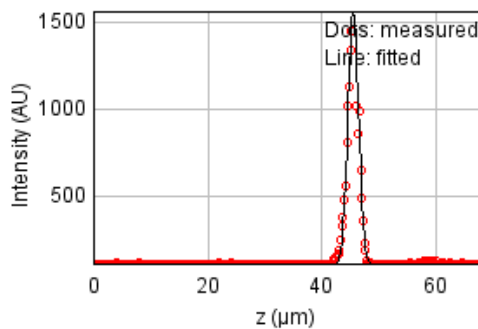
$b = -0.000$ px

$c = 0.463$ px

$x_c = 6.801$ px

$y_c = 7.686$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 230997.514

Standard deviation: 27.43055

$R^2: 0.98463$

Parameters:

$a = 114.50736$

$b = 1559.52804$

$c = 45.56141$

$d = 0.92453$

Bead 2305

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

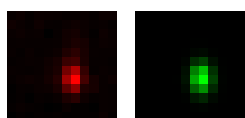
Coordinates : 42.2 μm (x), 11.6 μm (y), 44.4 μm (z)

Corresponding bead : Not found

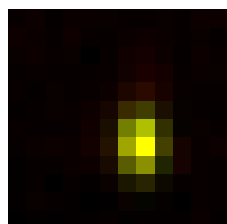
FWHM	Non corrected	Corrected	Theoretical
min	386 nm	403 nm	270 nm
max	561 nm	584 nm	270 nm
z	1.97 μm	1.97 μm	1.3 μm
Asymmetry	0.689		
Theta	-88.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 514.326 (brightness)

B = 118.939 (background)

a = 0.898 px

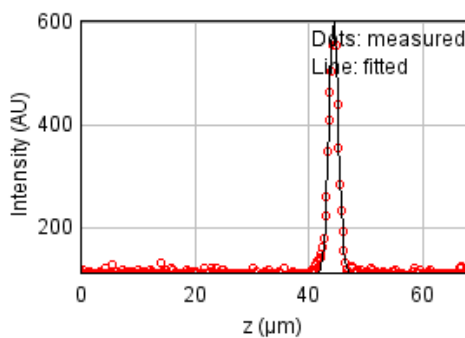
b = -0.009 px

c = 0.427 px

$x_c = 6.738$ px

$y_c = 6.827$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23719.9146

Standard deviation: 8.78997

R^2 : 0.98497

Parameters:

a = 112.66618

b = 604.33300

c = 44.40095

d = 0.83486

Bead 2306

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

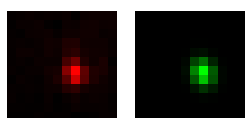
Coordinates : -154 μm (x), -2.36 μm (y), 45.0 μm (z)

Corresponding bead : Not found

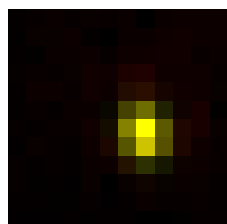
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	497 nm	517 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.785		
Theta	-76.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 548.742 (brightness)

B = 119.478 (background)

a = 0.864 px

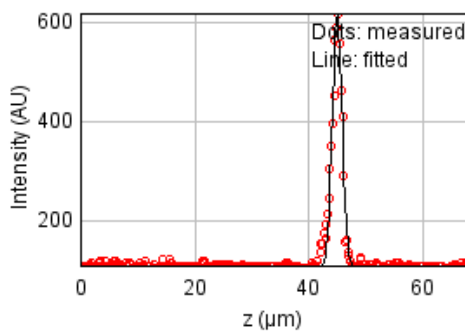
b = -0.077 px

c = 0.562 px

xc = 6.915 px

yc = 6.246 px

Z profile & fitting parameters:



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

Sum of residuals squared: 39917.8412

Standard deviation: 11.40287

R^2 : 0.97675

Parameters:

a = 110.73045

b = 618.01058

c = 45.02688

d = 0.84640

Bead 2307

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

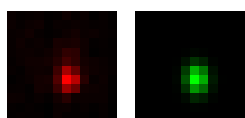
Coordinates : -65.5 μm (x), -57.1 μm (y), 45.0 μm (z)

Corresponding bead : Not found

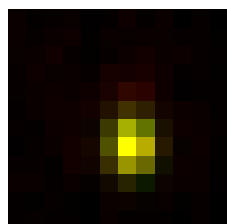
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	544 nm	567 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.768		
Theta	-86.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 666.571 (brightness)

B = 121.883 (background)

a = 0.767 px

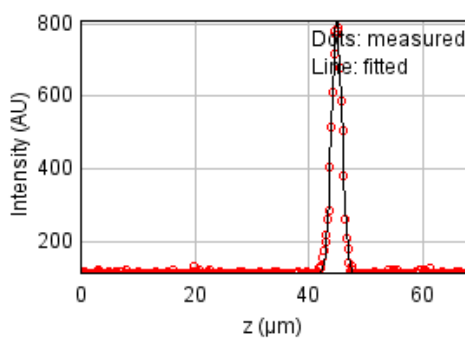
b = -0.017 px

c = 0.454 px

$x_c = 6.241$ px

$y_c = 6.918$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20912.3722

Standard deviation: 8.25339

R^2 : 0.99384

Parameters:

a = 113.39897

b = 810.62429

c = 44.95324

d = 0.90409

Bead 2308

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

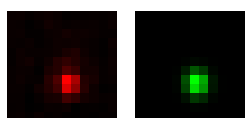
Coordinates : -27.7 μm (x), -93.0 μm (y), 45.0 μm (z)

Corresponding bead : Not found

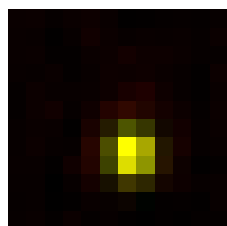
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	464 nm	484 nm	270 nm
z	1.87 μm	1.87 μm	1.3 μm
Asymmetry	0.878		
Theta	-85.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 575.100$ (brightness)

$B = 122.635$ (background)

$a = 0.806$ px

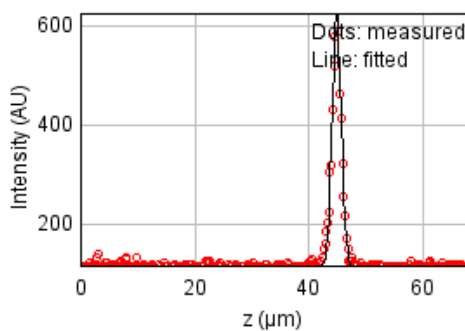
$b = -0.014$ px

$c = 0.623$ px

$x_c = 6.245$ px

$y_c = 7.389$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24072.7829

Standard deviation: 8.85511

$R^2: 0.98532$

Parameters:

$a = 114.08300$

$b = 628.02281$

$c = 44.95431$

$d = 0.79212$

Bead 2309 (Rejected)

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

Coordinates : 151 um (x), 82.9 um (y), 44.0 um (z)

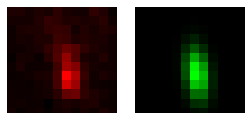
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

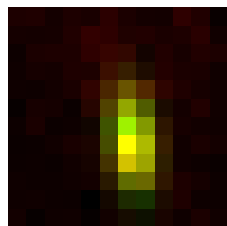
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	940 nm	979 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.446		
Theta	-83.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.888$



Parameters:

A = 200.523 (brightness)

B = 114.565 (background)

a = 0.755 px

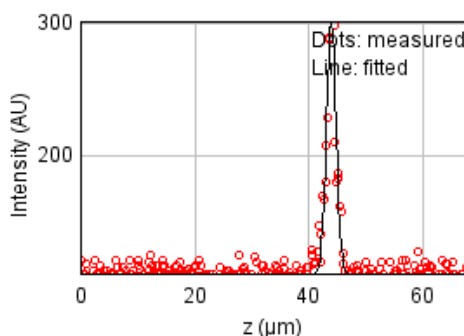
b = -0.071 px

c = 0.160 px

xc = 6.273 px

yc = 6.783 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20887.2002

Standard deviation: 8.24842

R^2 : 0.91954

Parameters:

a = 110.26931

b = 301.60328

c = 43.98697

d = 0.84681

Bead 2310

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

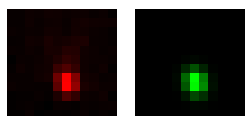
Coordinates : -129 μm (x), 60.7 μm (y), 45.4 μm (z)

Corresponding bead : Not found

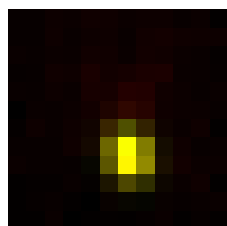
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.832		
Theta	-73.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 670.141$ (brightness)

$B = 125.109$ (background)

$a = 0.817$ px

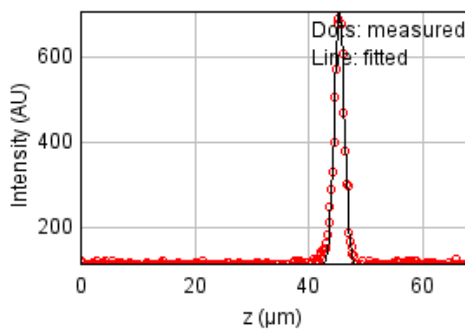
$b = -0.071$ px

$c = 0.601$ px

$x_c = 6.099$ px

$y_c = 7.479$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 32104.0506

Standard deviation: 10.22612

$R^2 = 0.98668$

Parameters:

$a = 112.48967$

$b = 709.47253$

$c = 45.40668$

$d = 0.86729$

Bead 2311

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

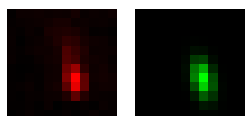
Coordinates : 163 μm (x), 53.5 μm (y), 45.1 μm (z)

Corresponding bead : Not found

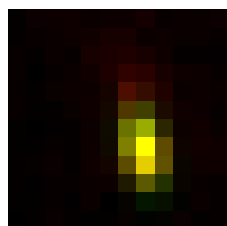
FWHM	Non corrected	Corrected	Theoretical
min	368 nm	383 nm	270 nm
max	698 nm	727 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.527		
Theta	-77.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 488.147 (brightness)

B = 119.898 (background)

a = 0.961 px

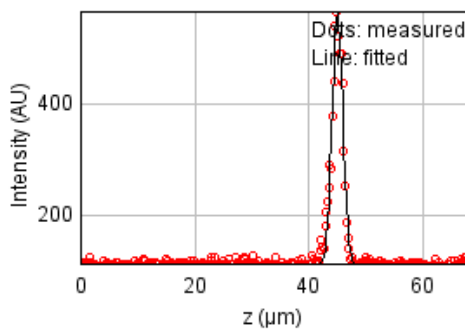
b = -0.147 px

c = 0.307 px

xc = 6.879 px

yc = 7.091 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33042.2402

Standard deviation: 10.37446

R^2 : 0.97813

Parameters:

a = 111.54114

b = 568.02766

c = 45.07709

d = 0.92487

Bead 2312 (Rejected)

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

Coordinates : 4.55 μm (x), 38.2 μm (y), 41.3 μm (z)

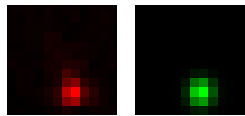
Corresponding bead : Not found

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

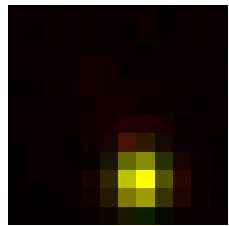
FWHM	Non corrected	Corrected	Theoretical
min	441 nm	459 nm	270 nm
max	493 nm	513 nm	270 nm
z	3.7 μm	3.71 μm	1.3 μm
Asymmetry	0.895		
Theta	88.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 639.000 (brightness)

B = 126.874 (background)

a = 0.690 px

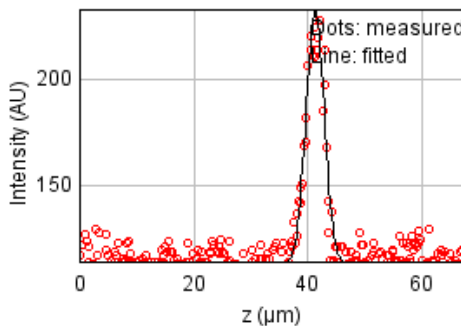
b = 0.004 px

c = 0.553 px

xc = 6.693 px

yc = 9.047 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18650.7597

Standard deviation: 7.79434

R^2 : 0.89812

Parameters:

a = 113.60755

b = 232.60038

c = 41.34145

d = 1.57022

Bead 2313

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

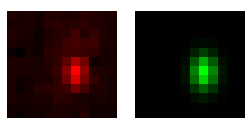
Coordinates : -160 μm (x), 37.7 μm (y), 44.1 μm (z)

Corresponding bead : Not found

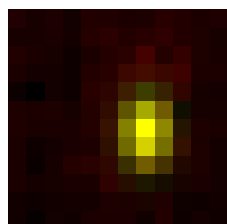
FWHM	Non corrected	Corrected	Theoretical
min	451 nm	469 nm	270 nm
max	661 nm	688 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.682		
Theta	89.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 189.796 (brightness)

B = 114.350 (background)

a = 0.661 px

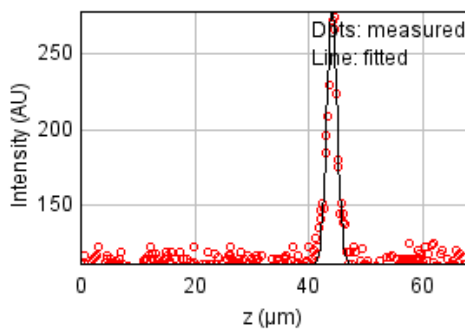
b = 0.003 px

c = 0.307 px

xc = 7.022 px

yc = 6.171 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16657.2038

Standard deviation: 7.36600

R^2 : 0.92226

Parameters:

a = 111.41925

b = 278.97783

c = 44.11182

d = 0.91763

Bead 2314

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

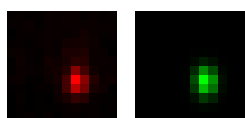
Coordinates : 51.1 μm (x), -10.9 μm (y), 44.7 μm (z)

Corresponding bead : Not found

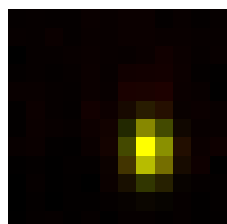
FWHM	Non corrected	Corrected	Theoretical
min	383 nm	399 nm	270 nm
max	534 nm	556 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.718		
Theta	-87.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 551.824 (brightness)

B = 120.486 (background)

a = 0.912 px

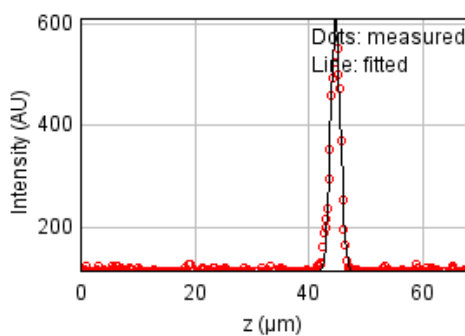
b = -0.018 px

c = 0.472 px

$x_c = 7.191$ px

$y_c = 7.179$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28612.1206

Standard deviation: 9.65397

R^2 : 0.98262

Parameters:

a = 114.30565

b = 613.02934

c = 44.74738

d = 0.84452

Bead 2315

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

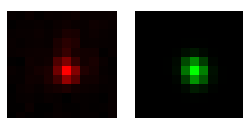
Coordinates : -151 μm (x), -11.6 μm (y), 44.8 μm (z)

Corresponding bead : Not found

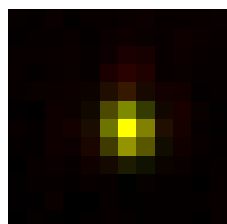
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	493 nm	513 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.848		
Theta	-68.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 507.629 (brightness)

B = 122.055 (background)

a = 0.738 px

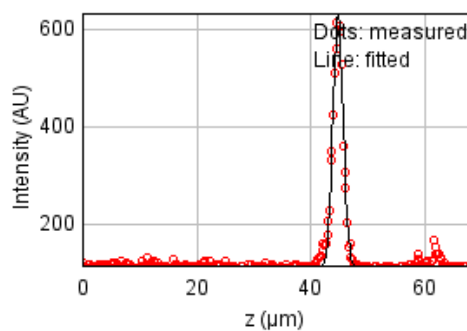
b = -0.075 px

c = 0.582 px

$x_c = 6.035$ px

$y_c = 6.037$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 35972.1867

Standard deviation: 10.82466

R^2 : 0.98075

Parameters:

a = 112.72730

b = 633.19900

c = 44.83187

d = 0.88008

Bead 2316

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

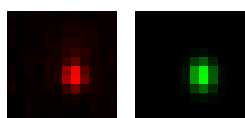
Coordinates : -71.8 μm (x), -33.7 μm (y), 44.9 μm (z)

Corresponding bead : Not found

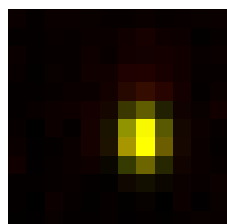
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	435 nm	270 nm
max	530 nm	552 nm	270 nm
z	2.17 μm	2.18 μm	1.3 μm
Asymmetry	0.788		
Theta	-88.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 516.543 (brightness)

B = 121.870 (background)

a = 0.770 px

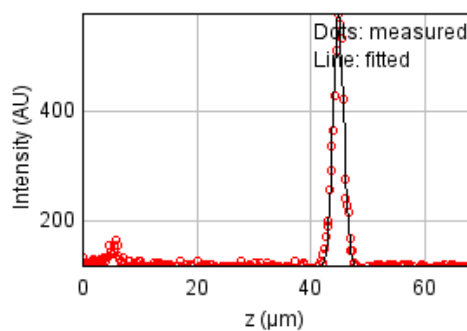
b = -0.009 px

c = 0.478 px

$x_c = 6.842$ px

$y_c = 6.528$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 42973.2734

Standard deviation: 11.83123

R^2 : 0.97236

Parameters:

a = 115.67440

b = 578.00411

c = 44.89350

d = 0.92228

Bead 2317

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

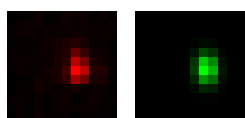
Coordinates : -41.1 μm (x), -81.0 μm (y), 45.3 μm (z)

Corresponding bead : Not found

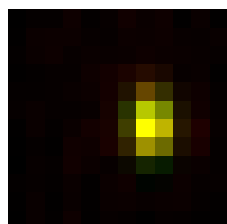
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	575 nm	599 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.678		
Theta	-87.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 586.271 (brightness)

B = 122.643 (background)

a = 0.880 px

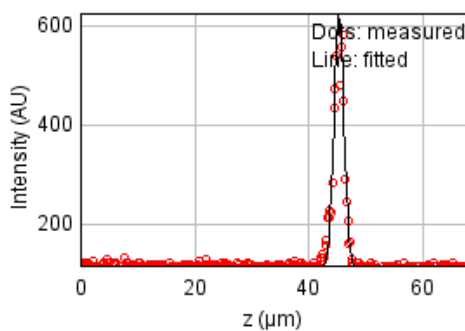
b = -0.019 px

c = 0.406 px

$x_c = 7.298$ px

$y_c = 5.813$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 61035.0355

Standard deviation: 14.10004

R^2 : 0.96579

Parameters:

a = 113.90752

b = 625.50341

c = 45.32697

d = 0.85546

Bead 2318

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

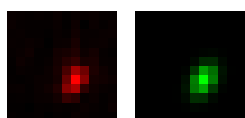
Coordinates : -64.2 μm (x), -91.2 μm (y), 45.0 μm (z)

Corresponding bead : Not found

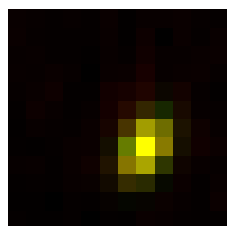
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	605 nm	631 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.665		
Theta	62.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 690.219 (brightness)

B = 121.126 (background)

a = 0.731 px

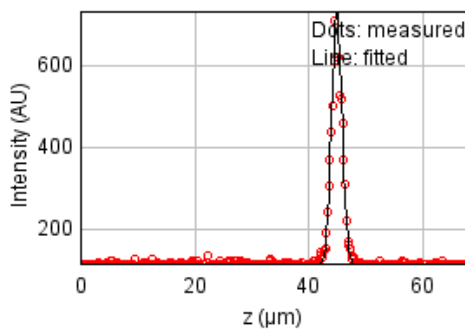
b = 0.189 px

c = 0.464 px

$x_c = 6.985$ px

$y_c = 7.033$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 43026.1818

Standard deviation: 11.83851

R^2 : 0.98418

Parameters:

a = 112.84894

b = 736.96676

c = 44.96455

d = 0.89488

Bead 2319 (Rejected)

Date : Mon Oct 17 13:53:05 PDT 2022

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

Frame size : 12 pixels

Coordinates : -119 μm (x), -96.4 μm (y), 41.7 μm (z)

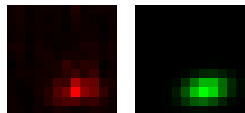
Corresponding bead : Not found

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

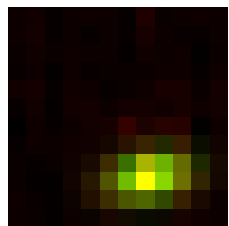
FWHM	Non corrected	Corrected	Theoretical
min	453 nm	472 nm	270 nm
max	768 nm	800 nm	270 nm
z	3.43 μm	3.45 μm	1.3 μm
Asymmetry	0.591		
Theta	10.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 268.181 (brightness)

B = 118.015 (background)

a = 0.243 px

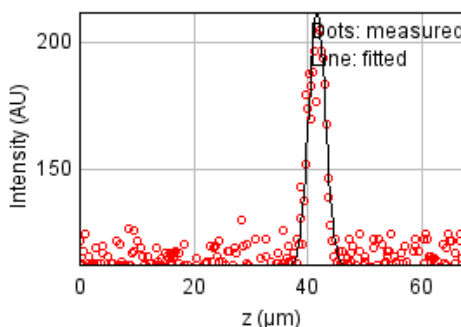
b = 0.078 px

c = 0.638 px

xc = 7.225 px

yc = 8.746 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17486.6534

Standard deviation: 7.54717

R^2 : 0.86070

Parameters:

a = 112.09356

b = 211.90751

c = 41.68046

d = 1.45718

Bead 2320

Date : Mon Oct 17 13:53:06 PDT 2022

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

Frame size : 12 pixels

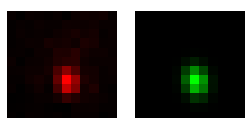
Coordinates : -106 μm (x), 83.2 μm (y), 45.2 μm (z)

Corresponding bead : Not found

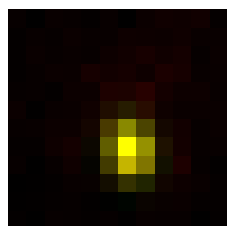
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	535 nm	557 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.767		
Theta	-78.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 488.996 (brightness)

B = 121.541 (background)

a = 0.784 px

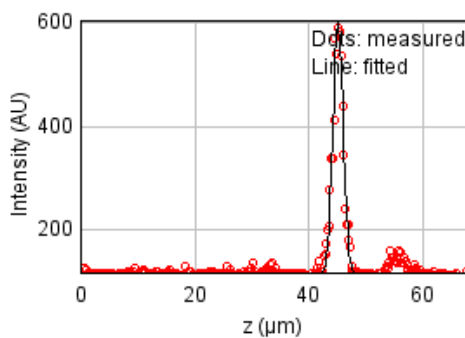
b = -0.065 px

c = 0.482 px

xc = 6.151 px

yc = 7.164 px

Z profile & fitting parameters:



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

Sum of residuals squared: 47179.1160

Standard deviation: 12.39669

R^2 : 0.97175

Parameters:

a = 115.48914

b = 606.22042

c = 45.17557

d = 0.87661

Bead 2321

Date : Mon Oct 17 13:53:06 PDT 2022

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

Frame size : 12 pixels

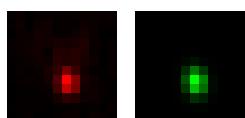
Coordinates : 26.0 μm (x), 77.5 μm (y), 45.3 μm (z)

Corresponding bead : Not found

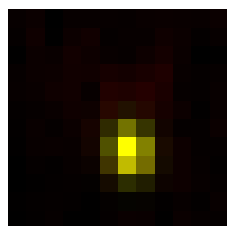
FWHM	Non corrected	Corrected	Theoretical
min	381 nm	397 nm	270 nm
max	498 nm	518 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.767		
Theta	-80.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 518.743$ (brightness)

$B = 123.763$ (background)

$a = 0.911$ px

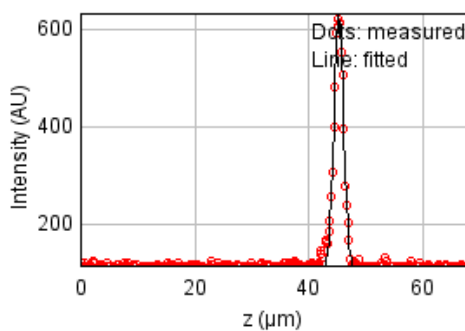
$b = -0.064$ px

$c = 0.553$ px

$x_c = 6.143$ px

$y_c = 7.235$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21634.7871

Standard deviation: 8.39474

$R^2: 0.98726$

Parameters:

$a = 114.39670$

$b = 630.70384$

$c = 45.29953$

$d = 0.81541$

Bead 2322 (Rejected)

Date : Mon Oct 17 13:53:06 PDT 2022

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

Frame size : 12 pixels

Coordinates : -25.7 μm (x), 74.8 μm (y), 44.5 μm (z)

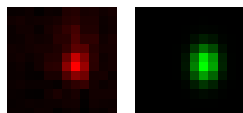
Corresponding bead : Not found

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

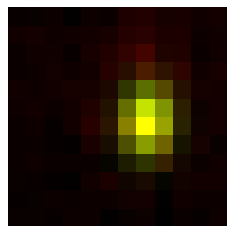
FWHM	Non corrected	Corrected	Theoretical
min	486 nm	506 nm	270 nm
max	665 nm	693 nm	270 nm
z	2.52 μm	2.53 μm	1.3 μm
Asymmetry	0.73		
Theta	88.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 327.181 (brightness)

B = 122.179 (background)

a = 0.569 px

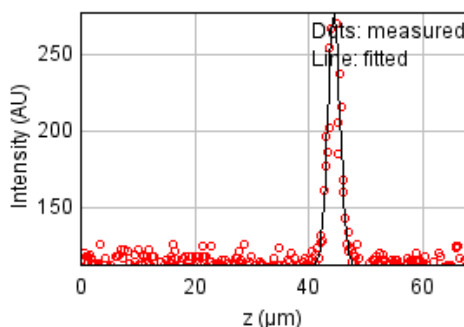
b = 0.009 px

c = 0.304 px

xc = 7.112 px

yc = 5.691 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19333.1608

Standard deviation: 7.93565

R^2 : 0.91928

Parameters:

a = 112.26838

b = 276.74383

c = 44.45814

d = 1.07009

Bead 2323

Date : Mon Oct 17 13:53:06 PDT 2022

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

Frame size : 12 pixels

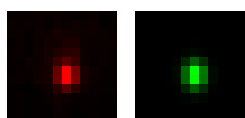
Coordinates : -57.6 μm (x), 71.3 μm (y), 45.3 μm (z)

Corresponding bead : Not found

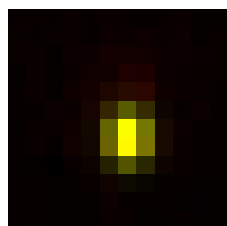
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	502 nm	523 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.794		
Theta	-89.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 828.167$ (brightness)

$B = 124.173$ (background)

$a = 0.842$ px

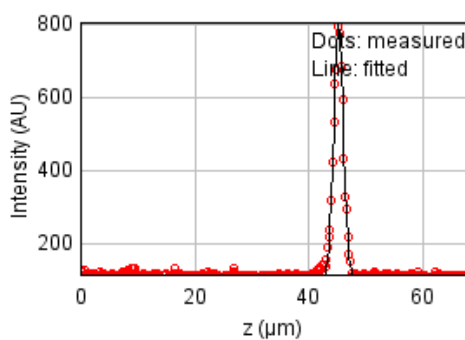
$b = -0.001$ px

$c = 0.532$ px

$x_c = 6.049$ px

$y_c = 6.474$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29159.1999

Standard deviation: 9.74583

$R^2: 0.99041$

Parameters:

$a = 114.74802$

$b = 806.70489$

$c = 45.25863$

$d = 0.81553$

Bead 2324

Date : Mon Oct 17 13:53:06 PDT 2022

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

Frame size : 12 pixels

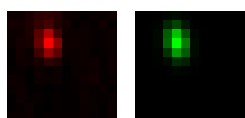
Coordinates : -9.89 μm (x), 53.2 μm (y), 13.3 μm (z)

Corresponding bead : Not found

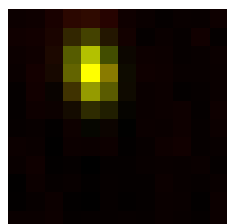
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	600 nm	625 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.662		
Theta	-78.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 369.954 (brightness)

B = 117.823 (background)

a = 0.829 px

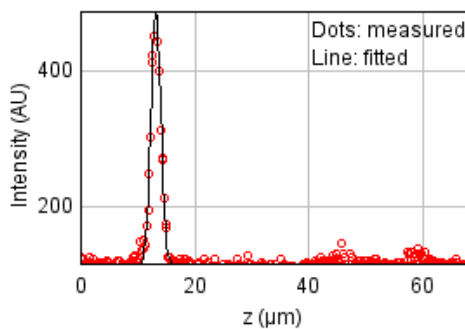
b = -0.097 px

c = 0.393 px

xc = 4.047 px

yc = 2.872 px

Z profile & fitting parameters:



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

Sum of residuals squared: 26557.3102

Standard deviation: 9.30085

R^2 : 0.97167

Parameters:

a = 115.40097

b = 487.82024

c = 13.26082

d = 0.85324

Bead 2325

Date : Mon Oct 17 13:53:07 PDT 2022

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

Frame size : 12 pixels

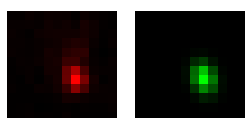
Coordinates : 73.3 μm (x), 50.1 μm (y), 45.4 μm (z)

Corresponding bead : Not found

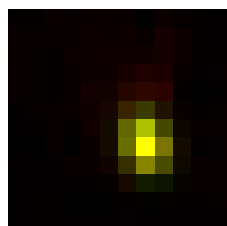
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	553 nm	576 nm	270 nm
z	2.07 μm	2.07 μm	1.3 μm
Asymmetry	0.724		
Theta	-74.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 626.698 (brightness)

B = 126.248 (background)

a = 0.807 px

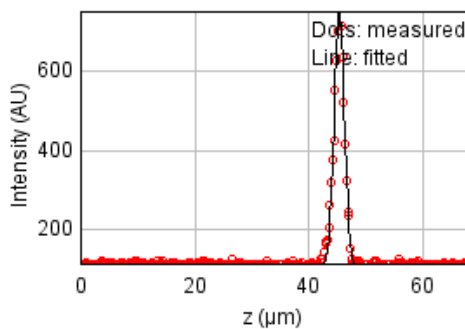
b = -0.103 px

c = 0.467 px

xc = 6.992 px

yc = 6.800 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22215.5639

Standard deviation: 8.50667

R^2 : 0.99201

Parameters:

a = 113.27349

b = 752.70546

c = 45.38781

d = 0.87718

Bead 2326

Date : Mon Oct 17 13:53:07 PDT 2022

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

Frame size : 12 pixels

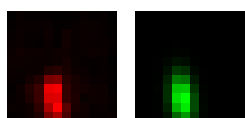
Coordinates : -85.0 μm (x), 18.3 μm (y), 45.5 μm (z)

Corresponding bead : Not found

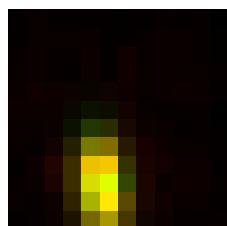
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	903 nm	940 nm	270 nm
z	2.1 μm	2.1 μm	1.3 μm
Asymmetry	0.479		
Theta	-83.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 861.013$ (brightness)

$B = 128.305$ (background)

$a = 0.711$ px

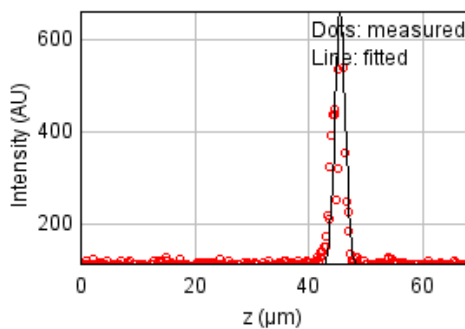
$b = -0.059$ px

$c = 0.171$ px

$x_c = 4.612$ px

$y_c = 9.095$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 416986.697

Standard deviation: 36.85462

$R^2: 0.83120$

Parameters:

$a = 114.10637$

$b = 662.07369$

$c = 45.53243$

$d = 0.89026$

Bead 2327

Date : Mon Oct 17 13:53:07 PDT 2022

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

Frame size : 12 pixels

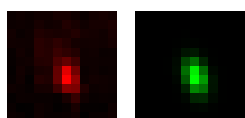
Coordinates : 101 um (x), 1.29 um (y), 44.7 um (z)

Corresponding bead : Not found

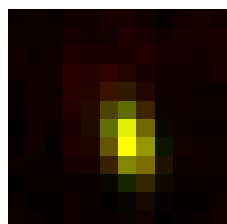
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	658 nm	685 nm	270 nm
z	1.71 um	1.72 um	1.3 um
Asymmetry	0.603		
Theta	-72.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 362.344 (brightness)

B = 121.294 (background)

a = 0.802 px

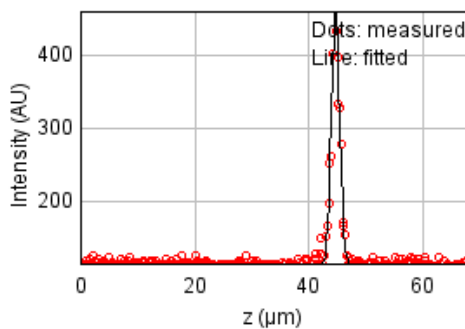
b = -0.155 px

c = 0.359 px

xc = 6.110 px

yc = 6.650 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22976.8964

Standard deviation: 8.65120

R^2 : 0.96783

Parameters:

a = 112.64679

b = 462.88632

c = 44.74206

d = 0.72717

Bead 2328 (Rejected)

Date : Mon Oct 17 13:53:07 PDT 2022

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

Frame size : 12 pixels

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

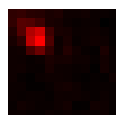
Corresponding bead : Not found

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	2.5 μm	2.51 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

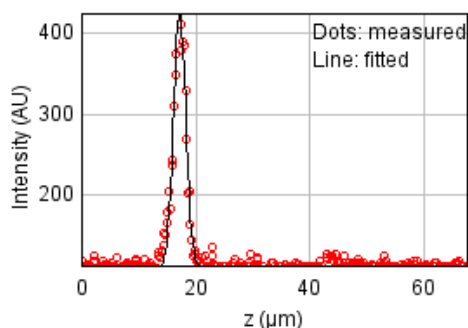
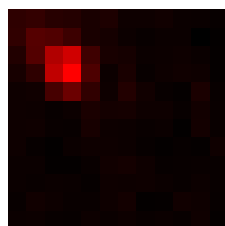
XY profile & fitting parameters :

(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: 25882.9909

Standard deviation: 9.18202

R²: 0.96843

Parameters:

a = 112.07382

b = 425.63055

c = 17.25464

d = 1.06121

Bead 2329

Date : Mon Oct 17 13:53:07 PDT 2022

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

Frame size : 12 pixels

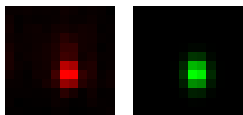
Coordinates : -97.4 μm (x), -40.1 μm (y), 45.6 μm (z)

Corresponding bead : Not found

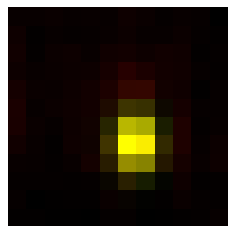
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	537 nm	560 nm	270 nm
z	2.44 μm	2.45 μm	1.3 μm
Asymmetry	0.744		
Theta	-89.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 779.784$ (brightness)

$B = 128.971$ (background)

$a = 0.839$ px

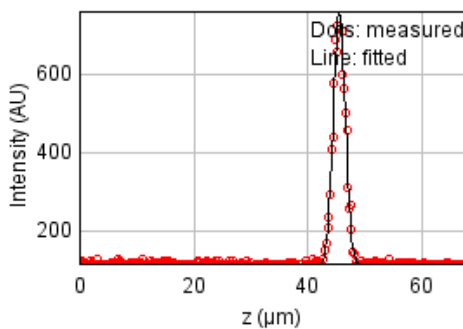
$b = -0.001$ px

$c = 0.465$ px

$x_c = 6.455$ px

$y_c = 6.860$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27929.6190

Standard deviation: 9.53813

$R^2: 0.99165$

Parameters:

$a = 113.16303$

$b = 760.79173$

$c = 45.57070$

$d = 1.03779$

Bead 2330 (Rejected)

Date : Mon Oct 17 13:53:08 PDT 2022

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

Frame size : 12 pixels

Coordinates : -26.9 μm (x), -45.7 μm (y), 41.7 μm (z)

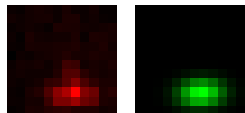
Corresponding bead : Not found

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

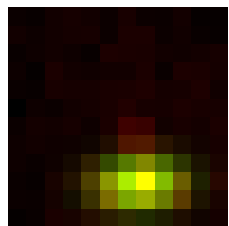
FWHM	Non corrected	Corrected	Theoretical
min	513 nm	534 nm	270 nm
max	840 nm	875 nm	270 nm
z	3.49 μm	3.51 μm	1.3 μm
Asymmetry	0.61		
Theta	2.9°		

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 = 244.730 (brightness)

B = 122.512 (background)

a = 0.191 px

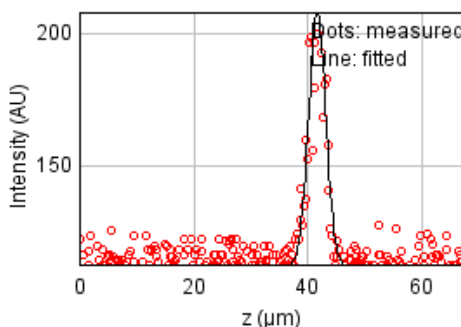
b = 0.016 px

c = 0.510 px

xc = 6.681 px

yc = 9.132 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18661.7484

Standard deviation: 7.79663

R^2 : 0.84319

Parameters:

a = 112.61809

b = 208.02293

c = 41.70169

d = 1.48353

Bead 2331

Date : Mon Oct 17 13:53:08 PDT 2022

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

Frame size : 12 pixels

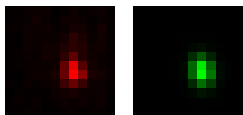
Coordinates : -1.53 μm (x), -46.2 μm (y), 44.9 μm (z)

Corresponding bead : Not found

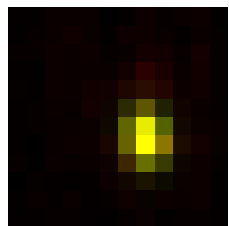
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	546 nm	568 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.723		
Theta	-82.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 543.184 (brightness)

B = 119.443 (background)

a = 0.857 px

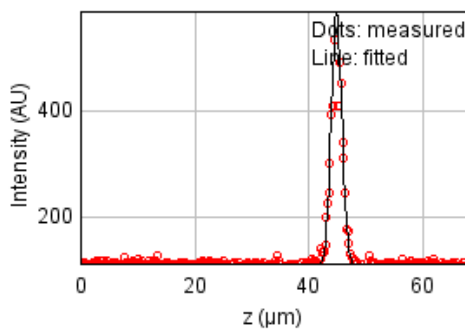
b = -0.054 px

c = 0.458 px

$x_c = 7.029$ px

$y_c = 6.593$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 40462.6384

Standard deviation: 11.48042

R^2 : 0.97454

Parameters:

a = 113.66072

b = 585.30797

c = 44.92481

d = 0.90727

Bead 2332

Date : Mon Oct 17 13:53:08 PDT 2022

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

Frame size : 12 pixels

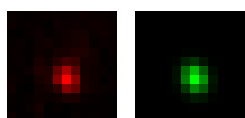
Coordinates : 82.1 μm (x), -51.8 μm (y), 45.1 μm (z)

Corresponding bead : Not found

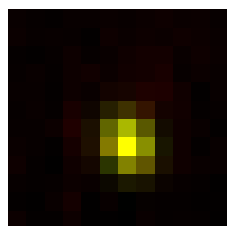
FWHM	Non corrected	Corrected	Theoretical
min	441 nm	460 nm	270 nm
max	534 nm	556 nm	270 nm
z	1.48 μm	1.49 μm	1.3 μm
Asymmetry	0.827		
Theta	-67.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 524.295$ (brightness)

$B = 120.719$ (background)

$a = 0.658$ px

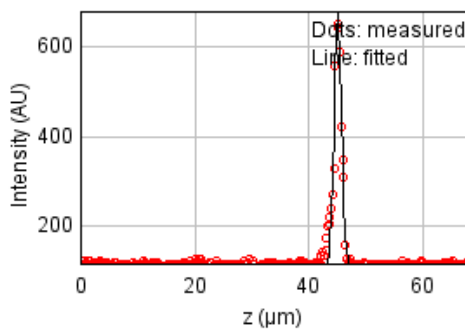
$b = -0.076$ px

$c = 0.502$ px

$x_c = 6.040$ px

$y_c = 6.834$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 52868.8240

Standard deviation: 13.12292

$R^2: 0.96766$

Parameters:

$a = 113.50037$

$b = 681.14016$

$c = 45.14034$

$d = 0.63021$

Bead 2333

Date : Mon Oct 17 13:53:08 PDT 2022

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

Frame size : 12 pixels

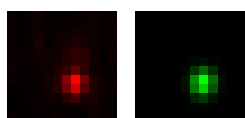
Coordinates : 77.0 μm (x), -62.9 μm (y), 45.4 μm (z)

Corresponding bead : Not found

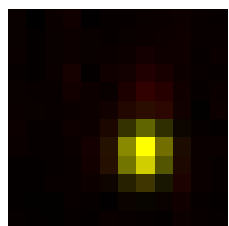
FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	486 nm	507 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.879		
Theta	81.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 628.083 (brightness)

B = 124.990 (background)

a = 0.729 px

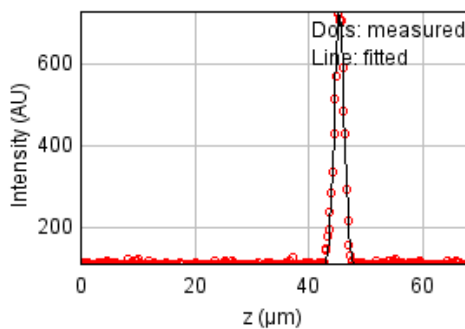
b = 0.026 px

c = 0.571 px

xc = 6.915 px

yc = 7.316 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22739.8693

Standard deviation: 8.60646

R^2 : 0.99083

Parameters:

a = 112.94957

b = 729.93491

c = 45.38542

d = 0.83780

Bead 2334 (Rejected)

Date : Mon Oct 17 13:53:08 PDT 2022

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

Frame size : 12 pixels

Coordinates : 161 μm (x), -64.7 μm (y), 41.4 μm (z)

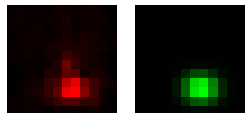
Corresponding bead : Not found

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

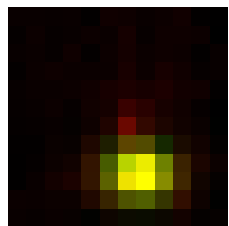
FWHM	Non corrected	Corrected	Theoretical
min	501 nm	522 nm	270 nm
max	611 nm	636 nm	270 nm
z	3.74 μm	3.75 μm	1.3 μm
Asymmetry	0.821		
Theta	-1.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 383.621 (brightness)

B = 118.493 (background)

a = 0.360 px

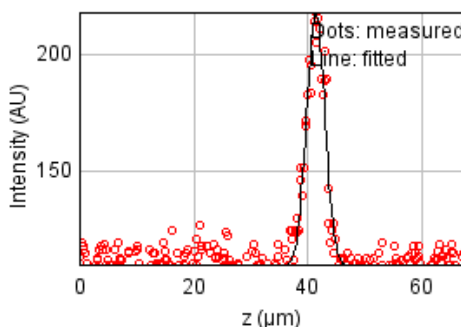
b = -0.006 px

c = 0.534 px

xc = 6.664 px

yc = 8.569 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13361.4430

Standard deviation: 6.59717

R^2 : 0.91172

Parameters:

a = 109.73296

b = 218.19610

c = 41.44829

d = 1.58783

Bead 2335 (Rejected)

Date : Mon Oct 17 13:53:08 PDT 2022

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

Frame size : 12 pixels

Coordinates : -105 um (x), -70.6 um (y), 30.2 um (z)

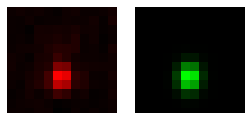
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

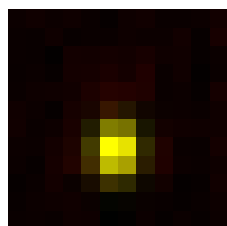
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	512 nm	533 nm	270 nm
z	2.22 um	2.23 um	1.3 um
Asymmetry	0.802		
Theta	86.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 462.776 (brightness)

B = 118.388 (background)

a = 0.795 px

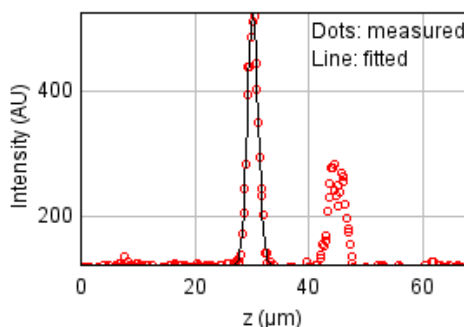
b = 0.018 px

c = 0.513 px

xc = 5.418 px

yc = 7.183 px

Z profile & fitting parameters:



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

Sum of residuals squared: 311337.342

Standard deviation: 31.84538

R^2 : 0.79283

Parameters:

a = 121.34181

b = 527.34573

c = 30.24728

d = 0.94375

Bead 2336 (Rejected)

Date : Mon Oct 17 13:53:08 PDT 2022

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

Frame size : 12 pixels

Coordinates : 4.36 μm (x), -71.9 μm (y), 41.7 μm (z)

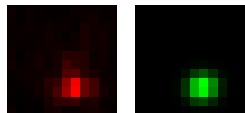
Corresponding bead : Not found

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

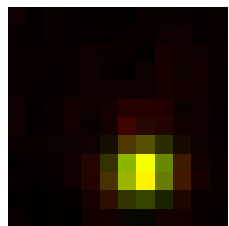
FWHM	Non corrected	Corrected	Theoretical
min	472 nm	492 nm	270 nm
max	528 nm	550 nm	270 nm
z	2.89 μm	2.9 μm	1.3 μm
Asymmetry	0.895		
Theta	10.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 421.825 (brightness)

B = 123.543 (background)

a = 0.485 px

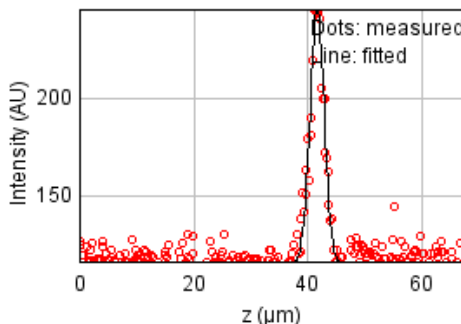
b = 0.021 px

c = 0.598 px

xc = 6.834 px

yc = 8.465 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16111.0271

Standard deviation: 7.24423

R^2 : 0.90686

Parameters:

a = 115.84705

b = 246.08950

c = 41.68665

d = 1.22653

Bead 2337 (Rejected)

Date : Mon Oct 17 13:53:09 PDT 2022

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

Frame size : 12 pixels

Coordinates : 74.9 um (x), 89.0 um (y), 44.8 um (z)

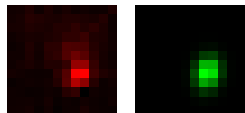
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

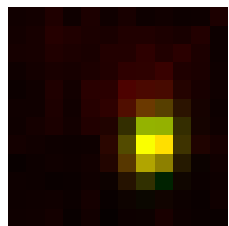
FWHM	Non corrected	Corrected	Theoretical
min	441 nm	459 nm	270 nm
max	592 nm	617 nm	270 nm
z	1.86 um	1.87 um	1.3 um
Asymmetry	0.744		
Theta	78.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.861$



Parameters:

A = 338.150 (brightness)

B = 127.129 (background)

a = 0.679 px

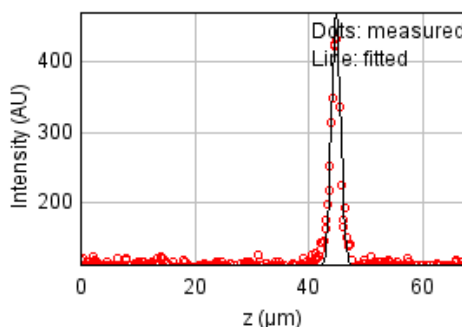
b = 0.059 px

c = 0.394 px

xc = 7.412 px

yc = 6.886 px

Z profile & fitting parameters:



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

Sum of residuals squared: 48382.7380

Standard deviation: 12.55382

R^2 : 0.94085

Parameters:

a = 113.10096

b = 467.83304

c = 44.83899

d = 0.79196

Bead 2338

Date : Mon Oct 17 13:53:09 PDT 2022

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

Frame size : 12 pixels

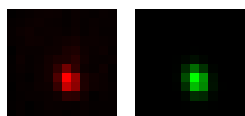
Coordinates : -58.7 μm (x), 83.0 μm (y), 45.6 μm (z)

Corresponding bead : Not found

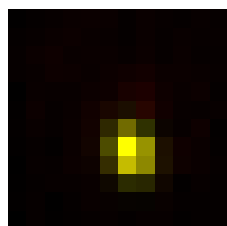
FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	493 nm	513 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.775		
Theta	-71.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1005.669$ (brightness)

$B = 128.207$ (background)

$a = 0.882$ px

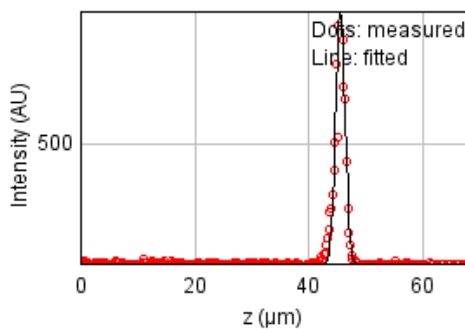
$b = -0.113$ px

$c = 0.591$ px

$x_c = 6.223$ px

$y_c = 7.284$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 157868.648

Standard deviation: 22.67664

$R^2: 0.96377$

Parameters:

$a = 114.25816$

$b = 931.64631$

$c = 45.58506$

$d = 0.81492$

Bead 2339

Date : Mon Oct 17 13:53:09 PDT 2022

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

Frame size : 12 pixels

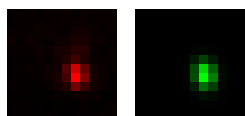
Coordinates : -24.6 μm (x), 44.0 μm (y), 45.3 μm (z)

Corresponding bead : Not found

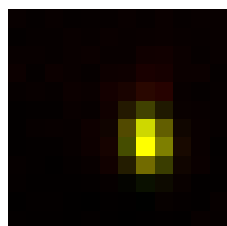
FWHM	Non corrected	Corrected	Theoretical
min	373 nm	389 nm	270 nm
max	514 nm	536 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.725		
Theta	-81.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 749.018 (brightness)

B = 122.957 (background)

a = 0.954 px

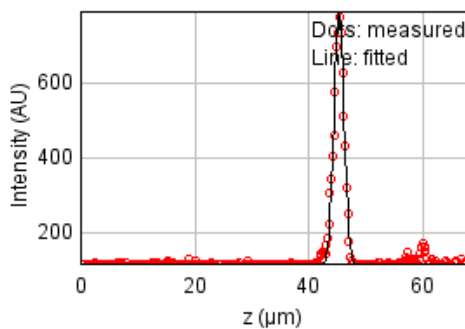
b = -0.066 px

c = 0.517 px

xc = 7.110 px

yc = 6.675 px

Z profile & fitting parameters:



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

Sum of residuals squared: 44577.1502

Standard deviation: 12.05000

R^2 : 0.98557

Parameters:

a = 115.79112

b = 791.54788

c = 45.33513

d = 0.86673

Bead 2340

Date : Mon Oct 17 13:53:09 PDT 2022

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

Frame size : 12 pixels

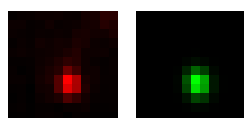
Coordinates : -66.4 μm (x), 43.6 μm (y), 45.8 μm (z)

Corresponding bead : Not found

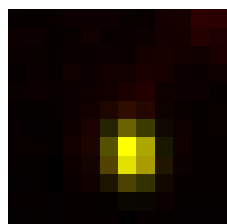
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	501 nm	522 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.82		
Theta	-82.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 866.188 (brightness)

B = 136.882 (background)

a = 0.789 px

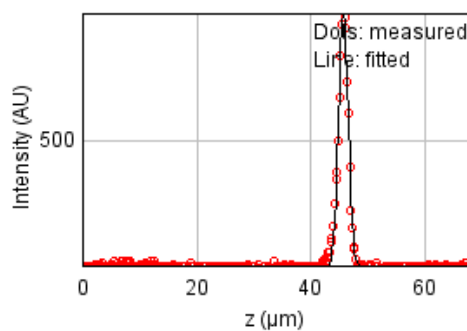
b = -0.033 px

c = 0.538 px

xc = 6.243 px

yc = 7.393 px

Z profile & fitting parameters:



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

Sum of residuals squared: 45498.4234

Standard deviation: 12.17388

R^2 : 0.98827

Parameters:

a = 114.87551

b = 887.23097

c = 45.77229

d = 0.83413

Bead 2341

Date : Mon Oct 17 13:53:09 PDT 2022

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

Frame size : 12 pixels

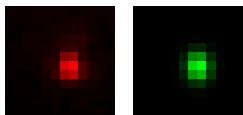
Coordinates : -40.8 μm (x), 43.9 μm (y), 45.9 μm (z)

Corresponding bead : Not found

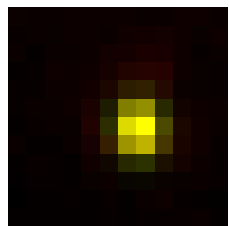
FWHM	Non corrected	Corrected	Theoretical
min	438 nm	457 nm	270 nm
max	537 nm	560 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.816		
Theta	-86.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 750.889 (brightness)

B = 127.483 (background)

a = 0.697 px

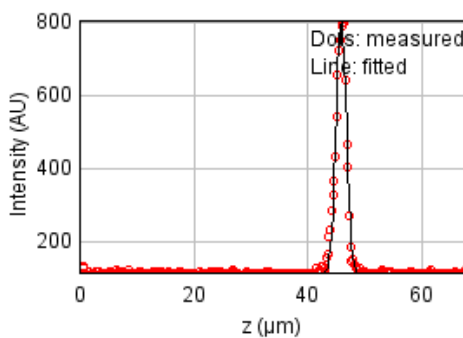
b = -0.016 px

c = 0.466 px

xc = 6.616 px

yc = 6.107 px

Z profile & fitting parameters:



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

Sum of residuals squared: 52721.4730

Standard deviation: 13.10462

R^2 : 0.98407

Parameters:

a = 113.72720

b = 804.51258

c = 45.91054

d = 0.88837

Bead 2342

Date : Mon Oct 17 13:53:09 PDT 2022

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

Frame size : 12 pixels

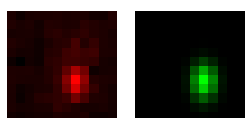
Coordinates : -160 μm (x), 37.7 μm (y), 44.1 μm (z)

Corresponding bead : Not found

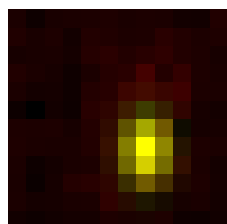
FWHM	Non corrected	Corrected	Theoretical
min	448 nm	467 nm	270 nm
max	657 nm	684 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.682		
Theta	89.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 189.944 (brightness)

B = 114.818 (background)

a = 0.668 px

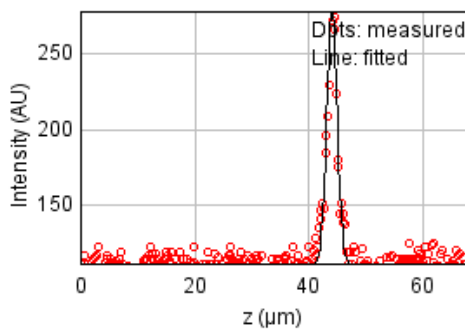
b = 0.003 px

c = 0.311 px

$x_c = 7.022$ px

$y_c = 7.172$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 16657.2038

Standard deviation: 7.36600

R^2 : 0.92226

Parameters:

a = 111.41925

b = 278.97783

c = 44.11182

d = 0.91763

Bead 2343

Date : Mon Oct 17 13:53:10 PDT 2022

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

Frame size : 12 pixels

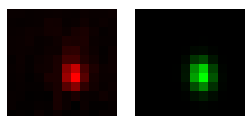
Coordinates : -122 μm (x), 26.1 μm (y), 45.6 μm (z)

Corresponding bead : Not found

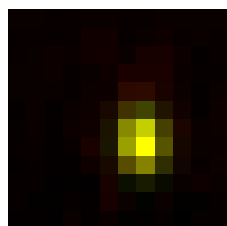
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	552 nm	575 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.746		
Theta	-84.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 617.595 (brightness)

B = 123.306 (background)

a = 0.788 px

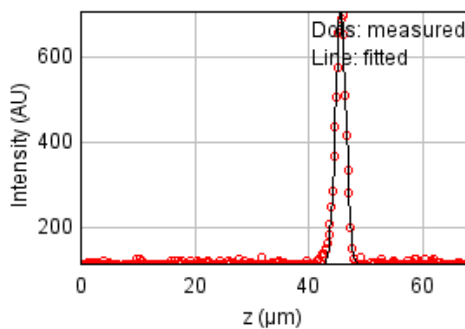
b = -0.033 px

c = 0.443 px

xc = 6.786 px

yc = 6.724 px

Z profile & fitting parameters:



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

Sum of residuals squared: 26943.6372

Standard deviation: 9.36826

R^2 : 0.98919

Parameters:

a = 112.86287

b = 710.40527

c = 45.64140

d = 0.89968

Bead 2344

Date : Mon Oct 17 13:53:10 PDT 2022

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

Frame size : 12 pixels

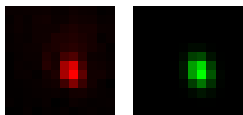
Coordinates : 82.0 μm (x), 26.2 μm (y), 45.6 μm (z)

Corresponding bead : Not found

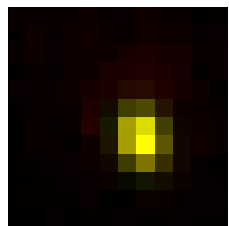
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	548 nm	571 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.743		
Theta	-76.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 654.598 (brightness)

B = 124.847 (background)

a = 0.790 px

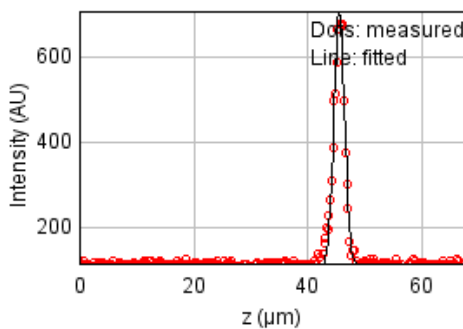
b = -0.085 px

c = 0.468 px

$x_c = 6.772$ px

$y_c = 6.619$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 45262.4848

Standard deviation: 12.14227

R^2 : 0.98188

Parameters:

a = 113.51321

b = 704.74049

c = 45.56756

d = 0.91488

Bead 2345 (Rejected)

Date : Mon Oct 17 13:53:10 PDT 2022

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

Frame size : 12 pixels

Coordinates : 102 μm (x), 24.0 μm (y), 45.4 μm (z)

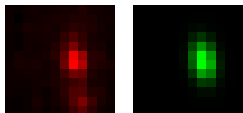
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

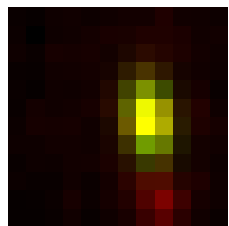
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	446 nm	270 nm
max	734 nm	765 nm	270 nm
z	2.37 μm	2.38 μm	1.3 μm
Asymmetry	0.584		
Theta	-82.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 425.463 (brightness)

B = 132.082 (background)

a = 0.721 px

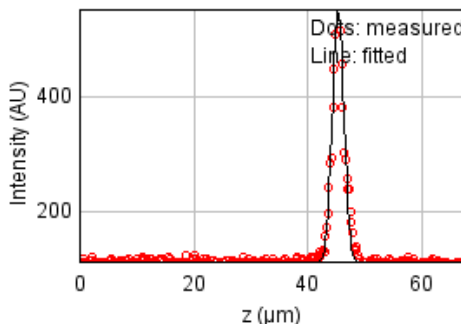
b = -0.066 px

c = 0.258 px

xc = 7.186 px

yc = 5.596 px

Z profile & fitting parameters:



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

Sum of residuals squared: 34296.6909

Standard deviation: 10.56956

R^2 : 0.97739

Parameters:

a = 112.94668

b = 551.83046

c = 45.35992

d = 1.00838

Bead 2346

Date : Mon Oct 17 13:53:10 PDT 2022

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

Frame size : 12 pixels

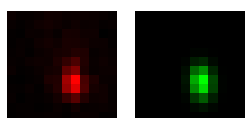
Coordinates : 98.1 μm (x), 14.3 μm (y), 45.6 μm (z)

Corresponding bead : Not found

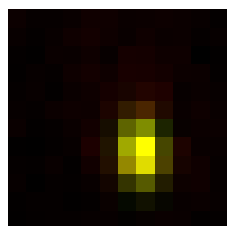
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	412 nm	270 nm
max	603 nm	628 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.657		
Theta	-85.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 558.863 (brightness)

B = 124.062 (background)

a = 0.853 px

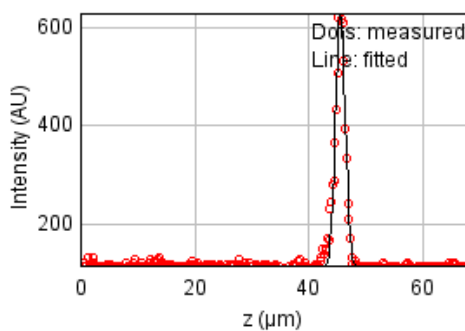
b = -0.035 px

c = 0.372 px

$x_c = 6.753$ px

$y_c = 7.277$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 37836.0872

Standard deviation: 11.10156

R^2 : 0.97836

Parameters:

a = 113.69926

b = 629.60442

c = 45.58341

d = 0.83405

Bead 2347

Date : Mon Oct 17 13:53:10 PDT 2022

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

Frame size : 12 pixels

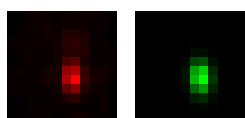
Coordinates : 101 um (x), 3.68 um (y), 45.5 um (z)

Corresponding bead : Not found

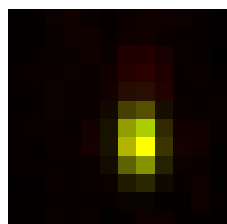
FWHM	Non corrected	Corrected	Theoretical
min	375 nm	390 nm	270 nm
max	597 nm	622 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.628		
Theta	-86.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 605.723 (brightness)

B = 130.052 (background)

a = 0.953 px

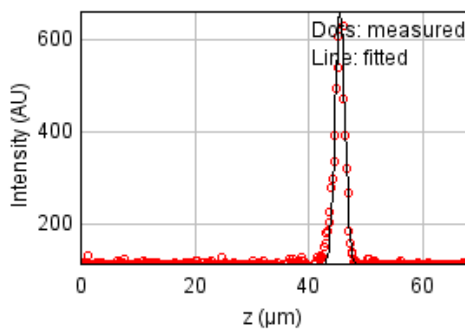
b = -0.037 px

c = 0.379 px

xc = 6.670 px

yc = 6.751 px

Z profile & fitting parameters:



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

Sum of residuals squared: 54490.6039

Standard deviation: 13.32268

R^2 : 0.97292

Parameters:

a = 113.71584

b = 661.87909

c = 45.52390

d = 0.84611

Bead 2348

Date : Mon Oct 17 13:53:10 PDT 2022

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

Frame size : 12 pixels

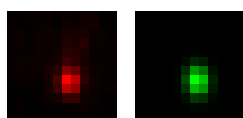
Coordinates : 81.0 μm (x), -6.74 μm (y), 45.9 μm (z)

Corresponding bead : Not found

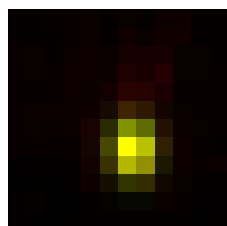
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	552 nm	575 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.758		
Theta	-86.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 808.689 (brightness)

B = 128.953 (background)

a = 0.767 px

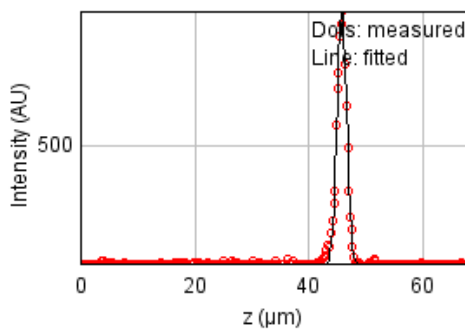
b = -0.017 px

c = 0.442 px

xc = 6.322 px

yc = 7.137 px

Z profile & fitting parameters:



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

Sum of residuals squared: 38467.3649

Standard deviation: 11.19379

R^2 : 0.99143

Parameters:

a = 112.46831

b = 947.05137

c = 45.85047

d = 0.82919

Bead 2349

Date : Mon Oct 17 13:53:10 PDT 2022

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

Frame size : 12 pixels

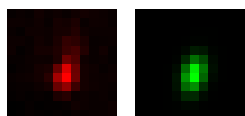
Coordinates : 104 μm (x), -25.6 μm (y), 45.4 μm (z)

Corresponding bead : Not found

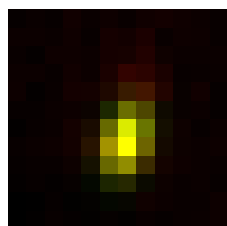
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	664 nm	691 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.624		
Theta	74.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 497.203$ (brightness)

$B = 124.369$ (background)

$a = 0.748$ px

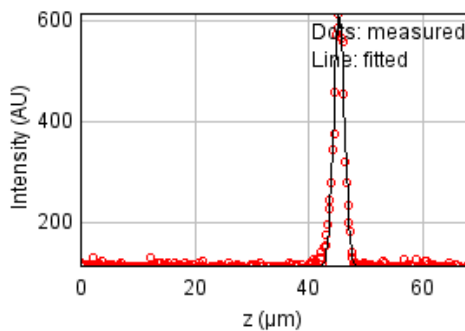
$b = 0.123$ px

$c = 0.339$ px

$x_c = 5.928$ px

$y_c = 6.646$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26276.5396

Standard deviation: 9.25156

$R^2: 0.98548$

Parameters:

$a = 112.96767$

$b = 613.37036$

$c = 45.35399$

$d = 0.92923$

Bead 2350

Date : Mon Oct 17 13:53:11 PDT 2022

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

Frame size : 12 pixels

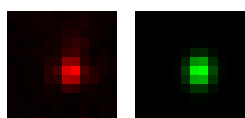
Coordinates : 107 μm (x), -53.8 μm (y), 45.4 μm (z)

Corresponding bead : Not found

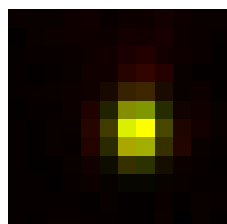
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	466 nm	270 nm
max	547 nm	570 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.818		
Theta	87.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 583.848 (brightness)

B = 121.901 (background)

a = 0.670 px

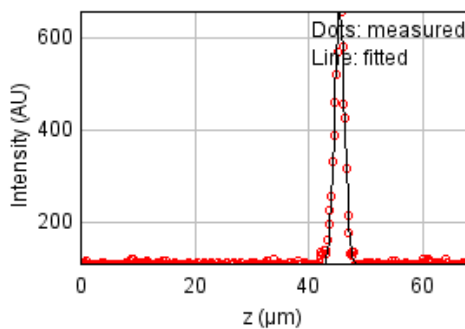
b = 0.008 px

c = 0.448 px

$x_c = 6.547$ px

$y_c = 6.085$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25933.5111

Standard deviation: 9.19097

R^2 : 0.98720

Parameters:

a = 111.52022

b = 658.54990

c = 45.43864

d = 0.86941

Bead 2351

Date : Mon Oct 17 13:53:11 PDT 2022

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

Frame size : 12 pixels

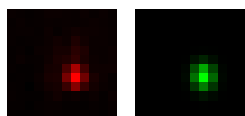
Coordinates : -11.7 μm (x), -58.6 μm (y), 45.6 μm (z)

Corresponding bead : Not found

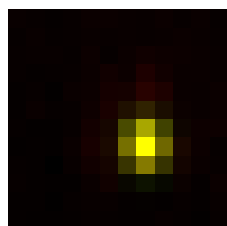
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	480 nm	500 nm	270 nm
z	1.95 μm	1.95 μm	1.3 μm
Asymmetry	0.82		
Theta	-87.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 769.598 (brightness)

B = 125.298 (background)

a = 0.866 px

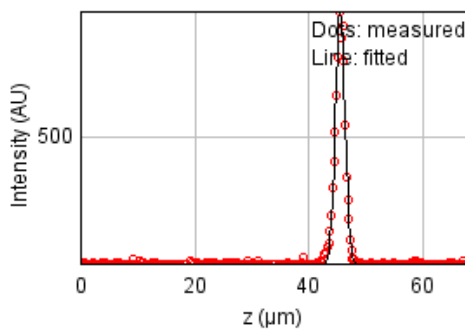
b = -0.015 px

c = 0.584 px

$x_c = 6.975$ px

$y_c = 6.864$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 36831.3854

Standard deviation: 10.95317

$R^2 = 0.99039$

Parameters:

a = 114.00877

b = 885.75913

c = 45.55207

d = 0.82659

Bead 2352

Date : Mon Oct 17 13:53:11 PDT 2022

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

Frame size : 12 pixels

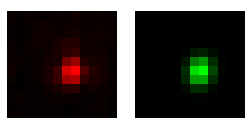
Coordinates : -98.2 μm (x), -62.8 μm (y), 45.6 μm (z)

Corresponding bead : Not found

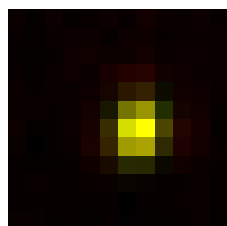
FWHM	Non corrected	Corrected	Theoretical
min	430 nm	447 nm	270 nm
max	527 nm	549 nm	270 nm
z	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.815		
Theta	78.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 622.448 (brightness)

B = 121.755 (background)

a = 0.717 px

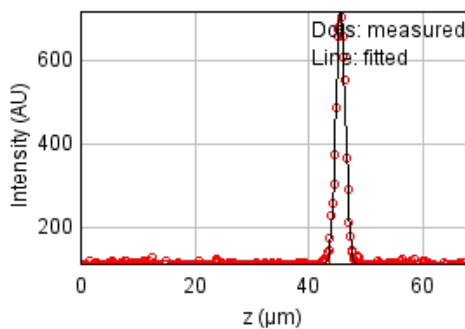
b = 0.049 px

c = 0.493 px

xc = 6.595 px

yc = 6.087 px

Z profile & fitting parameters:



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

Sum of residuals squared: 26185.4011

Standard deviation: 9.23550

R^2 : 0.98881

Parameters:

a = 113.14008

b = 718.70867

c = 45.63468

d = 0.81842

Bead 2353

Date : Mon Oct 17 13:53:11 PDT 2022

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

Frame size : 12 pixels

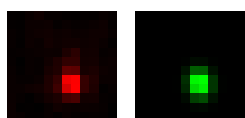
Coordinates : -1.86 μm (x), -83.8 μm (y), 46.0 μm (z)

Corresponding bead : Not found

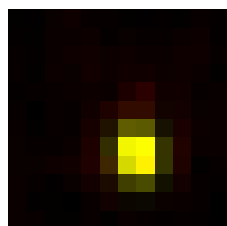
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	495 nm	516 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.816		
Theta	-82.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 749.303 (brightness)

B = 128.652 (background)

a = 0.817 px

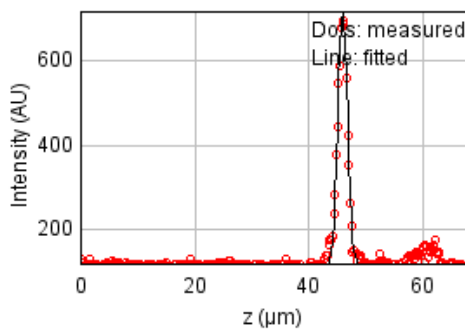
b = -0.035 px

c = 0.552 px

xc = 6.540 px

yc = 7.417 px

Z profile & fitting parameters:



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

Sum of residuals squared: 65960.6738

Standard deviation: 14.65795

R^2 : 0.97178

Parameters:

a = 118.05464

b = 715.97071

c = 45.99110

d = 0.82410

Bead 2354

Date : Mon Oct 17 13:53:12 PDT 2022

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

Frame size : 12 pixels

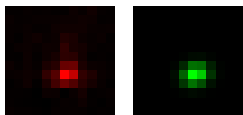
Coordinates : 41.4 μm (x), -90.3 μm (y), 45.9 μm (z)

Corresponding bead : Not found

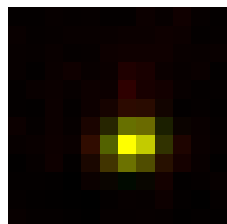
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	487 nm	507 nm	270 nm
z	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.819		
Theta	18.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 547.676 (brightness)

B = 126.432 (background)

a = 0.593 px

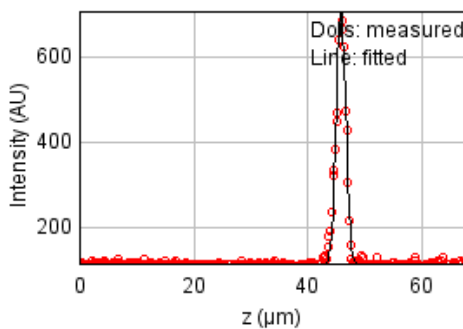
b = 0.082 px

c = 0.815 px

xc = 6.311 px

yc = 6.972 px

Z profile & fitting parameters:



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

Sum of residuals squared: 65251.6225

Standard deviation: 14.57896

R^2 : 0.97201

Parameters:

a = 113.09643

b = 711.29138

c = 45.88020

d = 0.82124

Bead 2355

Date : Mon Oct 17 13:53:12 PDT 2022

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

Frame size : 12 pixels

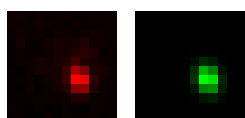
Coordinates : -57.5 μm (x), 92.5 μm (y), 45.5 μm (z)

Corresponding bead : Not found

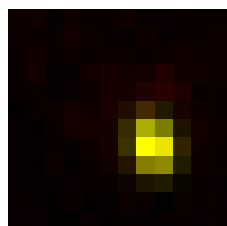
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	510 nm	531 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.763		
Theta	-73.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 561.271 (brightness)

B = 122.866 (background)

a = 0.857 px

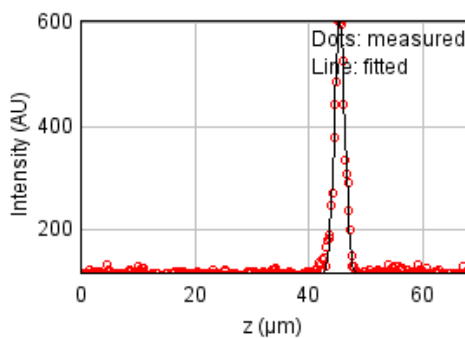
b = -0.103 px

c = 0.548 px

$x_c = 7.425$ px

$y_c = 6.930$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26944.2658

Standard deviation: 9.36837

R^2 : 0.98403

Parameters:

a = 115.44693

b = 606.19544

c = 45.45098

d = 0.89804

Bead 2356 (Rejected)

Date : Mon Oct 17 13:53:12 PDT 2022

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

Frame size : 12 pixels

Coordinates : -25.7 μm (x), 74.8 μm (y), 44.5 μm (z)

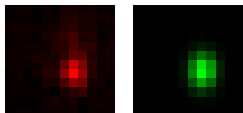
Corresponding bead : Not found

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

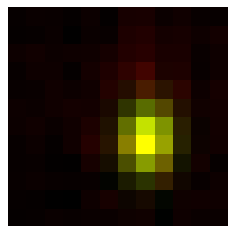
FWHM	Non corrected	Corrected	Theoretical
min	483 nm	503 nm	270 nm
max	660 nm	688 nm	270 nm
z	2.52 μm	2.53 μm	1.3 μm
Asymmetry	0.732		
Theta	88.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 327.630 (brightness)

B = 123.000 (background)

a = 0.575 px

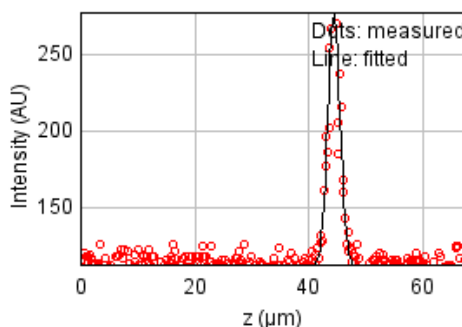
b = 0.009 px

c = 0.308 px

xc = 7.112 px

yc = 6.693 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19333.1608

Standard deviation: 7.93565

R^2 : 0.91928

Parameters:

a = 112.26838

b = 276.74383

c = 44.45814

d = 1.07009

Bead 2357

Date : Mon Oct 17 13:53:12 PDT 2022

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

Frame size : 12 pixels

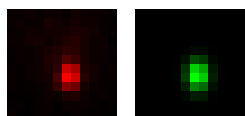
Coordinates : 45.6 um (x), 36.9 um (y), 45.8 um (z)

Corresponding bead : Not found

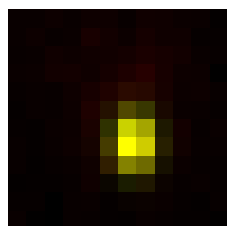
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	555 nm	578 nm	270 nm
z	2.05 um	2.06 um	1.3 um
Asymmetry	0.722		
Theta	-88.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 778.433 (brightness)

B = 129.672 (background)

a = 0.836 px

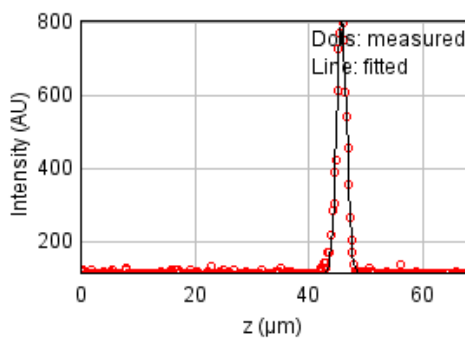
b = -0.009 px

c = 0.436 px

xc = 6.364 px

yc = 6.735 px

Z profile & fitting parameters:



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

Sum of residuals squared: 29161.6223

Standard deviation: 9.74623

R^2 : 0.99095

Parameters:

a = 113.87295

b = 804.71347

c = 45.80723

d = 0.87040

Bead 2358 (Rejected)

Date : Mon Oct 17 13:53:12 PDT 2022

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

Frame size : 12 pixels

Coordinates : -115 μm (x), 36.1 μm (y), 42.3 μm (z)

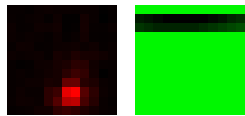
Corresponding bead : Not found

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

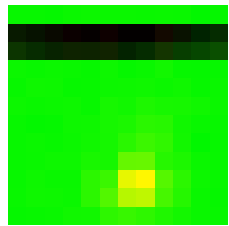
FWHM	Non corrected	Corrected	Theoretical
min	132 nm	138 nm	270 nm
max	4.8 μm	5.0 μm	270 nm
z	3.34 μm	3.35 μm	1.3 μm
Asymmetry	0.028		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.071$



Parameters:

A = -182.585 (brightness)

B = 146.433 (background)

a = -0.006 px

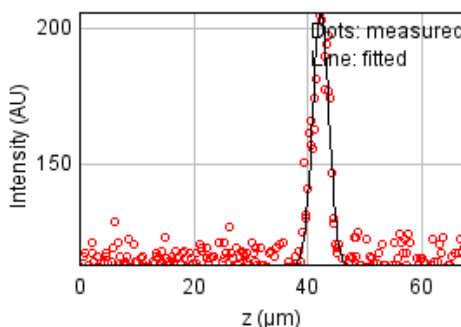
b = 0.003 px

c = 7.692 px

xc = 4.574 px

yc = 1.490 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13048.9425

Standard deviation: 6.51956

R^2 : 0.87791

Parameters:

a = 112.18638

b = 206.38040

c = 42.34492

d = 1.41778

Bead 2359

Date : Mon Oct 17 13:53:12 PDT 2022

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

Frame size : 12 pixels

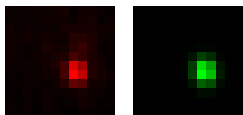
Coordinates : -53.8 μm (x), 33.6 μm (y), 45.5 μm (z)

Corresponding bead : Not found

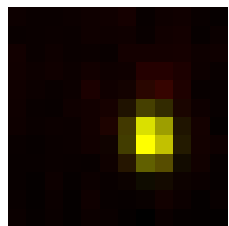
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	411 nm	270 nm
max	492 nm	513 nm	270 nm
z	2.34 μm	2.35 μm	1.3 μm
Asymmetry	0.801		
Theta	-83.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 527.541$ (brightness)

$B = 120.150$ (background)

$a = 0.859$ px

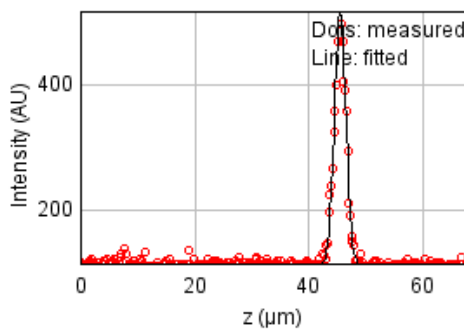
$b = -0.036$ px

$c = 0.558$ px

$x_c = 7.322$ px

$y_c = 6.639$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22059.8968

Standard deviation: 8.47681

$R^2: 0.98270$

Parameters:

$a = 112.86019$

$b = 518.97066$

$c = 45.54998$

$d = 0.99480$

Bead 2360

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

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

Frame size : 12 pixels

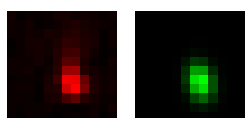
Coordinates : 116 um (x), 22.9 um (y), 45.6 um (z)

Corresponding bead : Not found

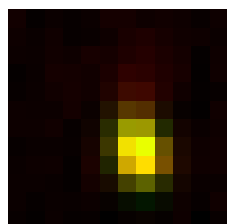
FWHM	Non corrected	Corrected	Theoretical
min	452 nm	471 nm	270 nm
max	653 nm	680 nm	270 nm
z	2.18 um	2.19 um	1.3 um
Asymmetry	0.693		
Theta	-77.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 435.014 (brightness)

B = 120.611 (background)

a = 0.640 px

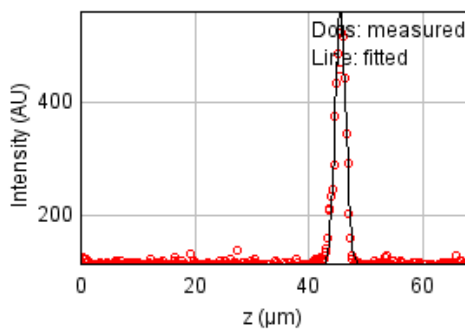
b = -0.074 px

c = 0.332 px

xc = 6.621 px

yc = 7.197 px

Z profile & fitting parameters:



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

Sum of residuals squared: 43484.9864

Standard deviation: 11.90147

R^2 : 0.97028

Parameters:

a = 112.91199

b = 560.23949

c = 45.60388

d = 0.92532

Bead 2361 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : 48.9 μm (x), 7.22 μm (y), 46.1 μm (z)

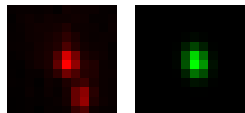
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

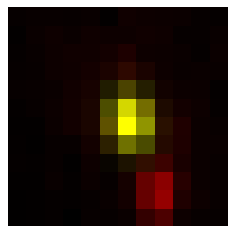
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	527 nm	549 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.753		
Theta	-79.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.688$



Parameters:

A = 966.815 (brightness)

B = 162.528 (background)

a = 0.841 px

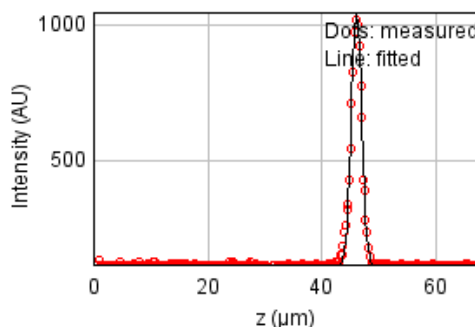
b = -0.066 px

c = 0.496 px

xc = 6.154 px

yc = 5.697 px

Z profile & fitting parameters:



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

Sum of residuals squared: 41668.0921

Standard deviation: 11.65018

R^2 : 0.99306

Parameters:

a = 114.10990

b = 1048.80381

c = 46.13392

d = 0.88802

Bead 2362 (Rejected)

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

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

Frame size : 12 pixels

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

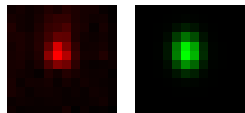
Corresponding bead : Not found

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

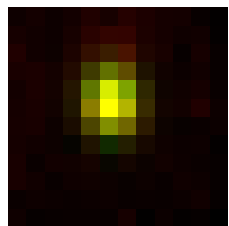
FWHM	Non corrected	Corrected	Theoretical
min	502 nm	522 nm	270 nm
max	638 nm	664 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.787		
Theta	-87.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 294.752 (brightness)

B = 121.448 (background)

a = 0.533 px

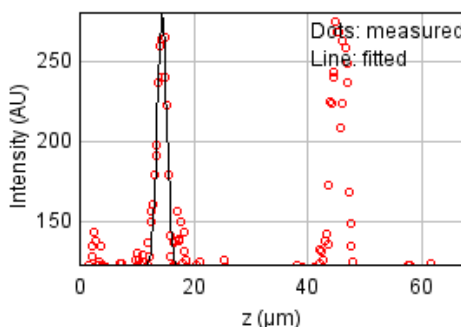
b = -0.010 px

c = 0.331 px

xc = 5.161 px

yc = 4.620 px

Z profile & fitting parameters:



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

Sum of residuals squared: 303369.381

Standard deviation: 31.43523

R^2 : 0.34086

Parameters:

a = 122.88517

b = 280.04069

c = 14.51625

d = 0.82396

Bead 2363

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

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

Frame size : 12 pixels

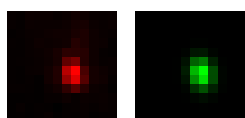
Coordinates : 16.4 μm (x), -20.0 μm (y), 46.1 μm (z)

Corresponding bead : Not found

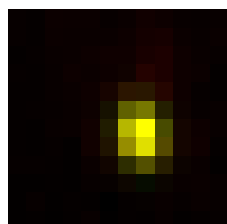
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	556 nm	579 nm	270 nm
z	2.03 μm	2.04 μm	1.3 μm
Asymmetry	0.741		
Theta	-79.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 907.718$ (brightness)

$B = 126.990$ (background)

$a = 0.780$ px

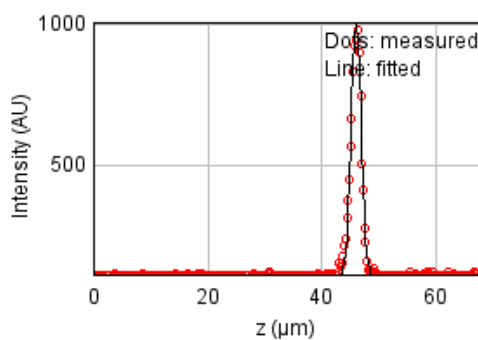
$b = -0.062$ px

$c = 0.445$ px

$x_c = 6.739$ px

$y_c = 6.313$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 51953.2550

Standard deviation: 13.00880

$R^2: 0.99041$

Parameters:

$a = 114.22546$

$b = 1014.31769$

$c = 46.07968$

$d = 0.86077$

Bead 2364

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

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

Frame size : 12 pixels

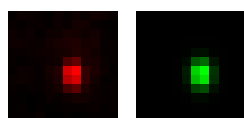
Coordinates : -71.1 μm (x), -26.4 μm (y), 45.6 μm (z)

Corresponding bead : Not found

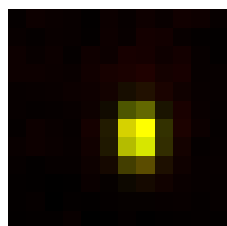
FWHM	Non corrected	Corrected	Theoretical
min	381 nm	397 nm	270 nm
max	517 nm	538 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.738		
Theta	-89.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 629.592 (brightness)

B = 123.331 (background)

a = 0.923 px

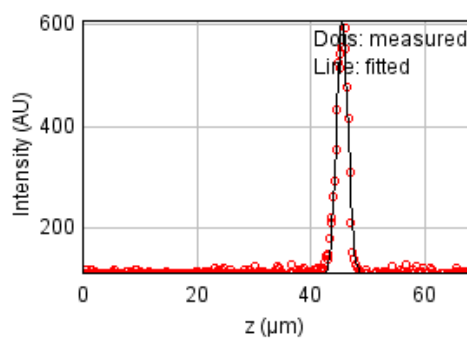
b = -0.004 px

c = 0.503 px

$x_c = 6.607$ px

$y_c = 6.395$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 39230.4528

Standard deviation: 11.30427

R^2 : 0.97899

Parameters:

a = 112.96429

b = 607.10471

c = 45.56790

d = 0.97920

Bead 2365

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

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

Frame size : 12 pixels

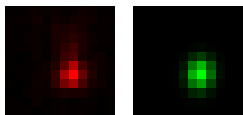
Coordinates : 158 μm (x), -41.7 μm (y), 45.7 μm (z)

Corresponding bead : Not found

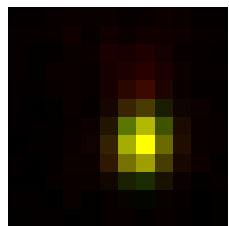
FWHM	Non corrected	Corrected	Theoretical
min	460 nm	479 nm	270 nm
max	580 nm	604 nm	270 nm
z	2.02 μm	2.02 μm	1.3 μm
Asymmetry	0.794		
Theta	83.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 567.263 (brightness)

B = 119.643 (background)

a = 0.631 px

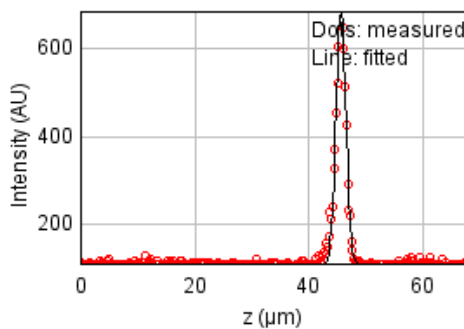
b = 0.028 px

c = 0.403 px

$x_c = 6.815$ px

$y_c = 6.916$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 33846.1537

Standard deviation: 10.49991

R^2 : 0.98467

Parameters:

a = 110.62459

b = 685.11165

c = 45.68404

d = 0.85594

Bead 2366 (Rejected)

Date : Mon Oct 17 13:53:14 PDT 2022

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

Frame size : 12 pixels

Coordinates : 77.0 μm (x), -58.3 μm (y), 44.2 μm (z)

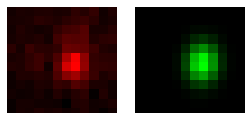
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

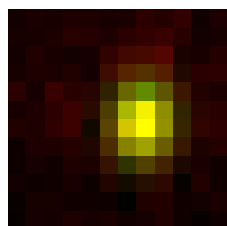
FWHM	Non corrected	Corrected	Theoretical
min	577 nm	601 nm	270 nm
max	742 nm	772 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.778		
Theta	86.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.893$



Parameters:

A = 142.106 (brightness)

B = 118.567 (background)

a = 0.402 px

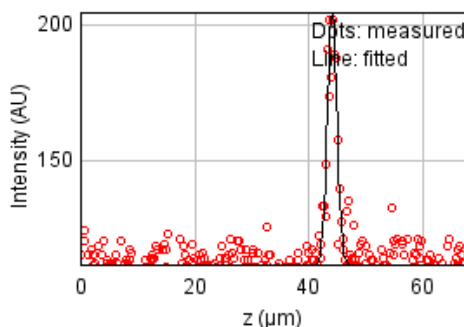
b = 0.011 px

c = 0.245 px

xc = 6.823 px

yc = 5.609 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13845.8416

Standard deviation: 6.71569

R^2 : 0.80214

Parameters:

a = 111.93793

b = 204.54545

c = 44.15174

d = 0.85023

Bead 2367

Date : Mon Oct 17 13:53:14 PDT 2022

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

Frame size : 12 pixels

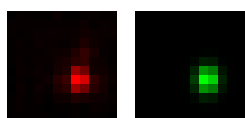
Coordinates : -24.8 μm (x), -60.2 μm (y), 45.7 μm (z)

Corresponding bead : Not found

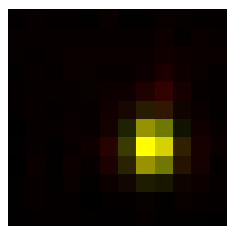
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	492 nm	512 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.817		
Theta	89.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 881.165 (brightness)

B = 127.053 (background)

a = 0.831 px

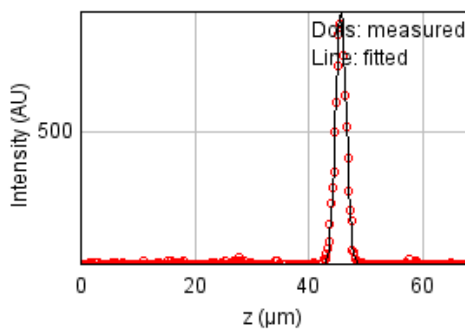
b = 0.005 px

c = 0.554 px

$x_c = 7.378$ px

$y_c = 6.996$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 30348.0935

Standard deviation: 9.94252

R^2 : 0.99205

Parameters:

a = 114.10899

b = 848.90469

c = 45.67748

d = 0.91392

Bead 2368

Date : Mon Oct 17 13:53:14 PDT 2022

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

Frame size : 12 pixels

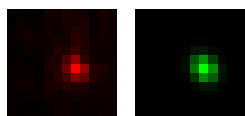
Coordinates : 161 μm (x), -85.9 μm (y), 44.9 μm (z)

Corresponding bead : Not found

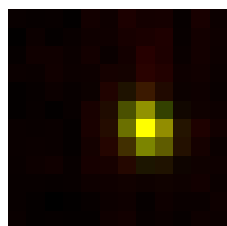
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	501 nm	521 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.831		
Theta	-57.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 274.665 (brightness)

B = 110.415 (background)

a = 0.706 px

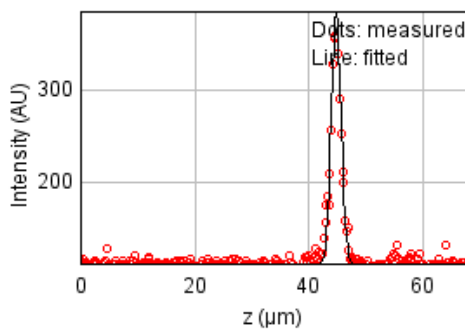
b = -0.109 px

c = 0.605 px

$x_c = 7.081$ px

$y_c = 5.976$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17777.3491

Standard deviation: 7.60964

R^2 : 0.96563

Parameters:

a = 109.69890

b = 385.86608

c = 44.85867

d = 0.85068

Bead 2369

Date : Mon Oct 17 13:53:14 PDT 2022

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

Frame size : 12 pixels

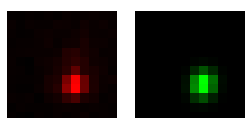
Coordinates : -10.4 μm (x), -86.7 μm (y), 46.1 μm (z)

Corresponding bead : Not found

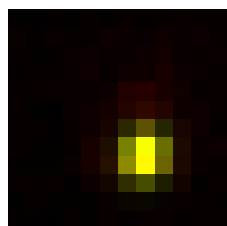
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	434 nm	270 nm
max	485 nm	505 nm	270 nm
z	1.88 μm	1.88 μm	1.3 μm
Asymmetry	0.858		
Theta	78.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 670.225$ (brightness)

$B = 125.209$ (background)

$a = 0.765$ px

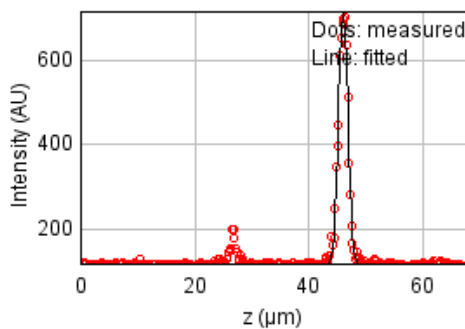
$b = 0.041$ px

$c = 0.578$ px

$x_c = 6.920$ px

$y_c = 7.487$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 52901.9523

Standard deviation: 13.12704

$R^2: 0.97701$

Parameters:

$a = 116.85651$

$b = 721.39545$

$c = 46.08676$

$d = 0.79692$

Bead 2370 (Rejected)

Date : Mon Oct 17 13:53:14 PDT 2022

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

Frame size : 12 pixels

Coordinates : 157 um (x), 73.1 um (y), 43.9 um (z)

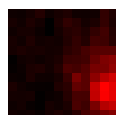
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	1.54 um	1.55 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

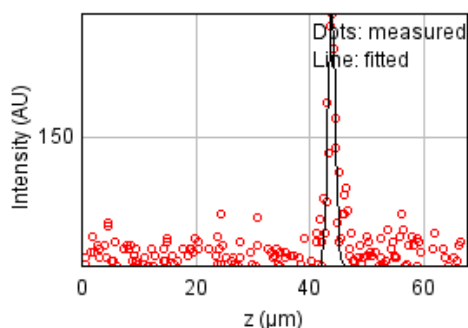
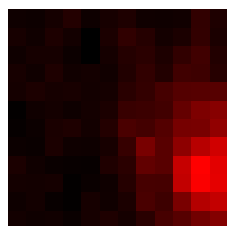
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 14144.9957

Standard deviation: 6.78785

R²: 0.69915

Parameters:

a = 109.19072

b = 189.51662

c = 43.87335

d = 0.65477

Bead 2371

Date : Mon Oct 17 13:53:14 PDT 2022

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

Frame size : 12 pixels

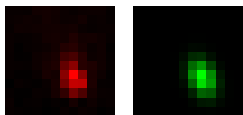
Coordinates : -88.0 μm (x), 67.6 μm (y), 46.2 μm (z)

Corresponding bead : Not found

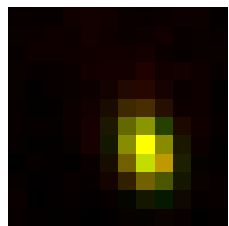
FWHM	Non corrected	Corrected	Theoretical
min	453 nm	472 nm	270 nm
max	679 nm	707 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.668		
Theta	-68.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 472.519 (brightness)

B = 121.692 (background)

a = 0.607 px

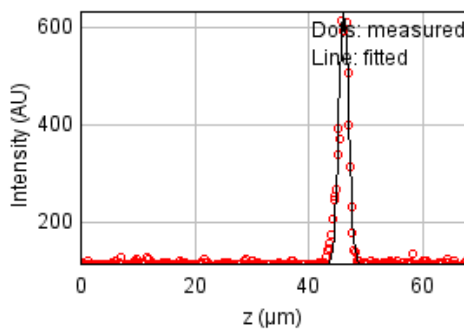
b = -0.122 px

c = 0.339 px

$x_c = 7.057$ px

$y_c = 7.306$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 54226.2615

Standard deviation: 13.29033

R^2 : 0.96991

Parameters:

a = 114.07737

b = 633.44110

c = 46.19200

d = 0.84143

Bead 2372

Date : Mon Oct 17 13:53:15 PDT 2022

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

Frame size : 12 pixels

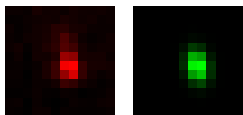
Coordinates : 131 um (x), 23.0 um (y), 45.6 um (z)

Corresponding bead : Not found

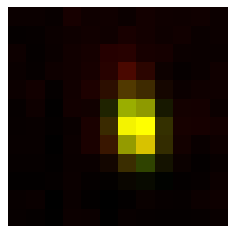
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	598 nm	622 nm	270 nm
z	2.07 um	2.08 um	1.3 um
Asymmetry	0.657		
Theta	-79.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 444.415 (brightness)

B = 117.860 (background)

a = 0.855 px

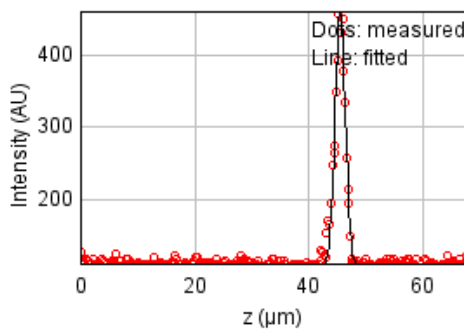
b = -0.087 px

c = 0.392 px

xc = 6.532 px

yc = 6.045 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20801.7756

Standard deviation: 8.23154

R^2 : 0.97518

Parameters:

a = 111.81145

b = 459.22345

c = 45.55881

d = 0.88095

Bead 2373

Date : Mon Oct 17 13:53:15 PDT 2022

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

Frame size : 12 pixels

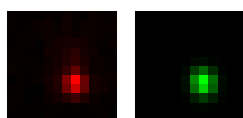
Coordinates : 46.0 μm (x), -26.4 μm (y), 46.4 μm (z)

Corresponding bead : Not found

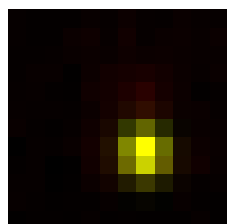
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	489 nm	510 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.862		
Theta	-83.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 796.793 (brightness)

B = 131.253 (background)

a = 0.752 px

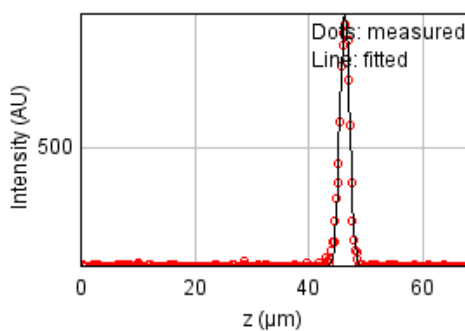
b = -0.021 px

c = 0.563 px

xc = 6.934 px

yc = 7.321 px

Z profile & fitting parameters:



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

Sum of residuals squared: 51161.9351

Standard deviation: 12.90935

R^2 : 0.98852

Parameters:

a = 113.99982

b = 940.19430

c = 46.36485

d = 0.83785

Bead 2374

Date : Mon Oct 17 13:53:15 PDT 2022

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

Frame size : 12 pixels

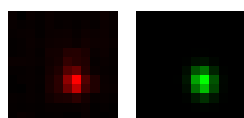
Coordinates : 47.3 μm (x), -51.9 μm (y), 46.6 μm (z)

Corresponding bead : Not found

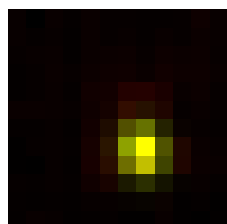
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	499 nm	519 nm	270 nm
z	1.85 μm	1.86 μm	1.3 μm
Asymmetry	0.823		
Theta	-79.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 778.292 (brightness)

B = 126.447 (background)

a = 0.788 px

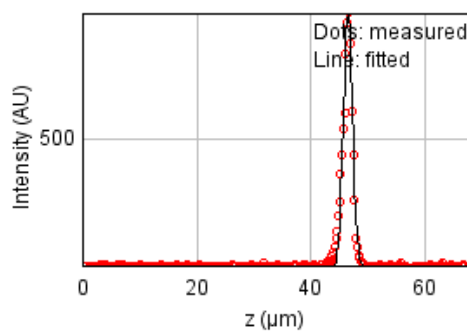
b = -0.047 px

c = 0.549 px

xc = 6.802 px

yc = 7.216 px

Z profile & fitting parameters:



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

Sum of residuals squared: 87757.6843

Standard deviation: 16.90727

R^2 : 0.97654

Parameters:

a = 113.12471

b = 889.38300

c = 46.56666

d = 0.78473

Bead 2375

Date : Mon Oct 17 13:53:15 PDT 2022

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

Frame size : 12 pixels

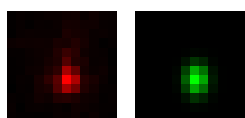
Coordinates : 145 μm (x), -60.6 μm (y), 45.7 μm (z)

Corresponding bead : Not found

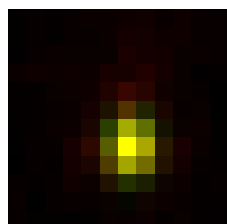
FWHM	Non corrected	Corrected	Theoretical
min	431 nm	449 nm	270 nm
max	571 nm	595 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.755		
Theta	89.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 445.747$ (brightness)

$B = 119.741$ (background)

$a = 0.722$ px

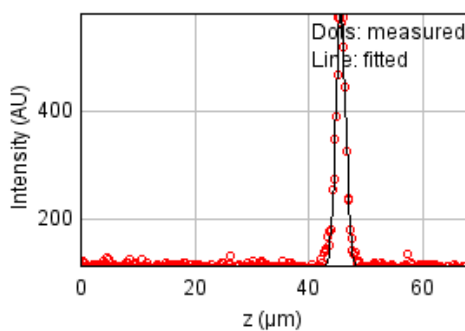
$b = 0.002$ px

$c = 0.411$ px

$x_c = 6.201$ px

$y_c = 6.975$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25112.4428

Standard deviation: 9.04431

$R^2: 0.98339$

Parameters:

$a = 111.40836$

$b = 587.23034$

$c = 45.65732$

$d = 0.85333$

Bead 2376

Date : Mon Oct 17 13:53:15 PDT 2022

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

Frame size : 12 pixels

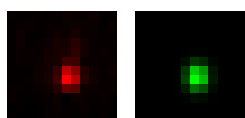
Coordinates : -9.61 μm (x), -63.4 μm (y), 45.7 μm (z)

Corresponding bead : Not found

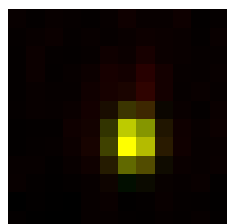
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	418 nm	270 nm
max	490 nm	510 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.82		
Theta	88.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 605.100 (brightness)

B = 120.973 (background)

a = 0.831 px

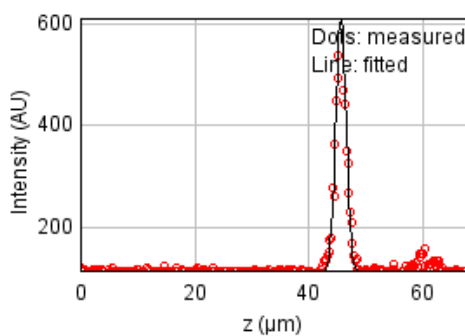
b = 0.005 px

c = 0.559 px

xc = 6.314 px

yc = 6.702 px

Z profile & fitting parameters:



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

Sum of residuals squared: 42769.3317

Standard deviation: 11.80313

R^2 : 0.97520

Parameters:

a = 115.27065

b = 611.06715

c = 45.68638

d = 0.89089

Bead 2377

Date : Mon Oct 17 13:53:15 PDT 2022

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

Frame size : 12 pixels

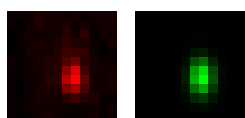
Coordinates : 158 μm (x), -69.1 μm (y), 45.3 μm (z)

Corresponding bead : Not found

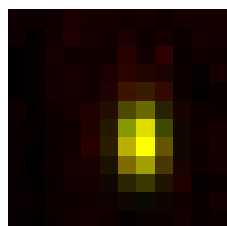
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	443 nm	270 nm
max	666 nm	694 nm	270 nm
z	2.17 μm	2.18 μm	1.3 μm
Asymmetry	0.639		
Theta	-89.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 319.535$ (brightness)

$B = 114.334$ (background)

$a = 0.742$ px

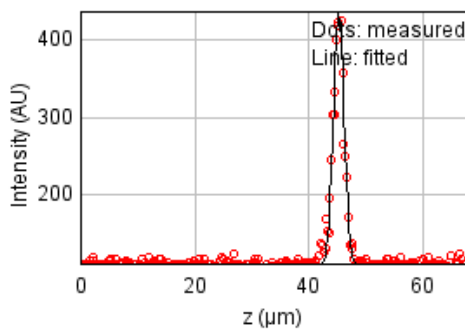
$b = -0.007$ px

$c = 0.303$ px

$x_c = 6.757$ px

$y_c = 6.733$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21272.0304

Standard deviation: 8.32406

$R^2: 0.97256$

Parameters:

$a = 109.76989$

$b = 436.41684$

$c = 45.28778$

$d = 0.92131$

Bead 2378

Date : Mon Oct 17 13:53:15 PDT 2022

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

Frame size : 12 pixels

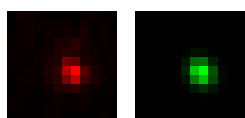
Coordinates : 6.32 μm (x), -89.0 μm (y), 46.0 μm (z)

Corresponding bead : Not found

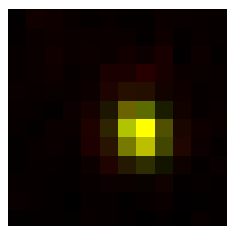
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	437 nm	270 nm
max	502 nm	523 nm	270 nm
z	1.75 μm	1.75 μm	1.3 μm
Asymmetry	0.837		
Theta	-63.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 609.998 (brightness)

B = 126.027 (background)

a = 0.714 px

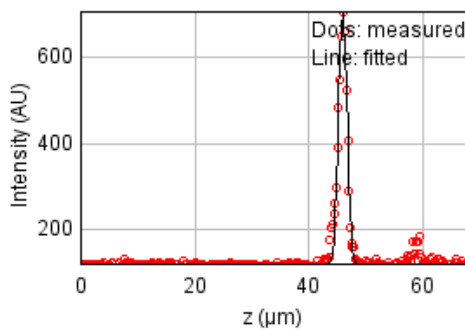
b = -0.092 px

c = 0.579 px

xc = 6.709 px

yc = 6.201 px

Z profile & fitting parameters:



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

Sum of residuals squared: 64252.3913

Standard deviation: 14.46690

R^2 : 0.96898

Parameters:

a = 116.87086

b = 708.27841

c = 46.00557

d = 0.74110

Bead 2379

Date : Mon Oct 17 13:53:16 PDT 2022

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

Frame size : 12 pixels

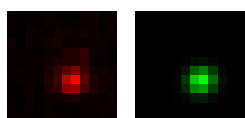
Coordinates : 124 µm (x), -95.0 µm (y), 45.6 µm (z)

Corresponding bead : Not found

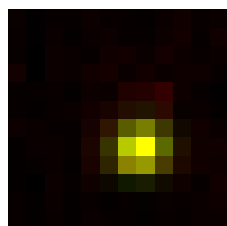
FWHM	Non corrected	Corrected	Theoretical
min	465 nm	484 nm	270 nm
max	497 nm	518 nm	270 nm
z	2.03 µm	2.04 µm	1.3 µm
Asymmetry	0.935		
Theta	24.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 407.320 (brightness)

B = 117.837 (background)

a = 0.557 px

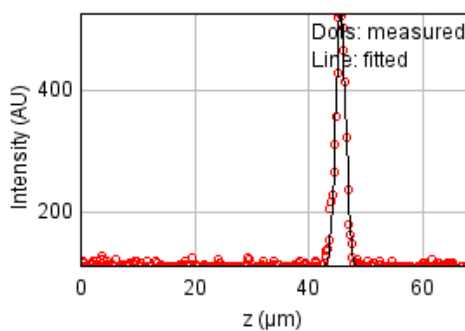
b = 0.030 px

c = 0.607 px

xc = 6.706 px

yc = 7.100 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21782.4550

Standard deviation: 8.42334

R^2 : 0.98140

Parameters:

a = 111.77164

b = 528.29177

c = 45.63986

d = 0.86127

Bead 2380

Date : Mon Oct 17 13:53:16 PDT 2022

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

Frame size : 12 pixels

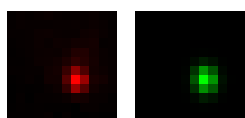
Coordinates : -54.5 μm (x), 84.4 μm (y), 46.3 μm (z)

Corresponding bead : Not found

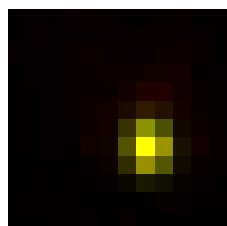
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	415 nm	270 nm
max	487 nm	507 nm	270 nm
z	1.89 μm	1.9 μm	1.3 μm
Asymmetry	0.819		
Theta	-85.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 1044.916 (brightness)

B = 132.391 (background)

a = 0.842 px

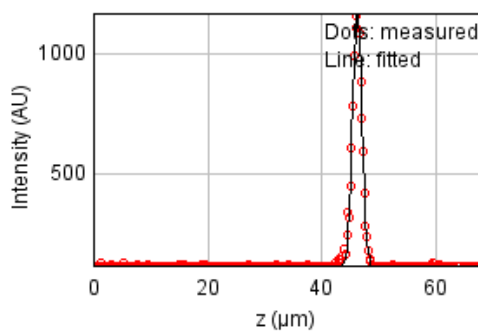
b = -0.020 px

c = 0.567 px

$x_c = 7.169$ px

$y_c = 6.994$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38411.5318

Standard deviation: 11.18566

R^2 : 0.99444

Parameters:

a = 114.25049

b = 1167.23258

c = 46.26947

d = 0.80233

Bead 2381

Date : Mon Oct 17 13:53:16 PDT 2022

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

Frame size : 12 pixels

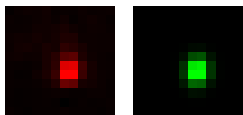
Coordinates : -34.9 μm (x), 75.2 μm (y), 46.2 μm (z)

Corresponding bead : Not found

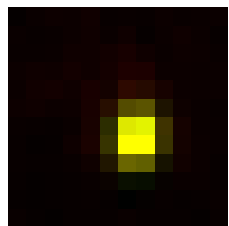
FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	515 nm	536 nm	270 nm
z	2.2 μm	2.21 μm	1.3 μm
Asymmetry	0.795		
Theta	85.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1025.173$ (brightness)

$B = 129.009$ (background)

$a = 0.801$ px

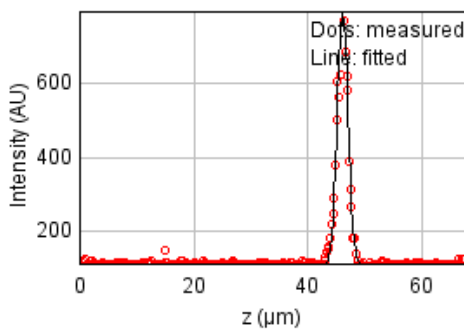
$b = 0.025$ px

$c = 0.509$ px

$x_c = 6.511$ px

$y_c = 6.569$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 70336.2969

Standard deviation: 15.13633

$R^2: 0.97927$

Parameters:

$a = 112.94684$

$b = 794.75820$

$c = 46.15944$

$d = 0.93267$

Bead 2382

Date : Mon Oct 17 13:53:16 PDT 2022

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

Frame size : 12 pixels

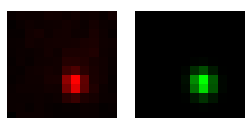
Coordinates : -109 μm (x), 73.7 μm (y), 46.2 μm (z)

Corresponding bead : Not found

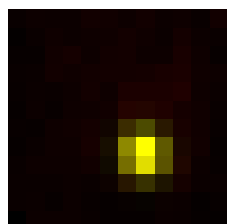
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	445 nm	464 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.895		
Theta	-76.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 585.648 (brightness)

B = 122.052 (background)

a = 0.835 px

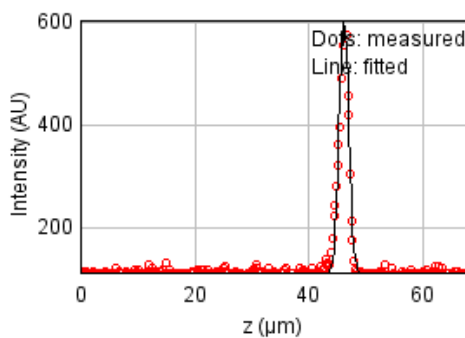
b = -0.039 px

c = 0.687 px

$x_c = 6.889$ px

$y_c = 7.389$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 40646.4698

Standard deviation: 11.50647

R^2 : 0.97422

Parameters:

a = 112.79684

b = 603.17330

c = 46.21636

d = 0.82878

Bead 2383

Date : Mon Oct 17 13:53:16 PDT 2022

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

Frame size : 12 pixels

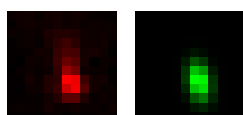
Coordinates : 132 μm (x), 53.8 μm (y), 46.2 μm (z)

Corresponding bead : Not found

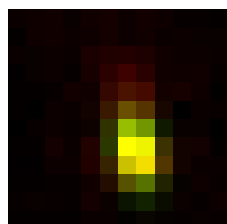
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	705 nm	734 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.583		
Theta	-79.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 391.381$ (brightness)

$B = 119.693$ (background)

$a = 0.777$ px

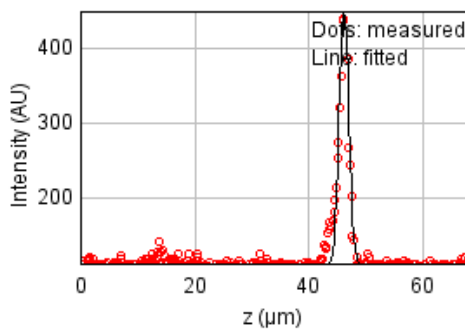
$b = -0.094$ px

$c = 0.287$ px

$x_c = 6.492$ px

$y_c = 7.173$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 36166.8228

Standard deviation: 10.85390

$R^2: 0.95221$

Parameters:

$a = 111.85529$

$b = 447.62013$

$c = 46.22287$

$d = 0.82929$

Bead 2384

Date : Mon Oct 17 13:53:16 PDT 2022

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

Frame size : 12 pixels

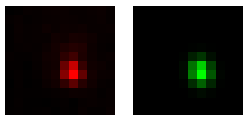
Coordinates : -53.9 μm (x), 49.7 μm (y), 46.6 μm (z)

Corresponding bead : Not found

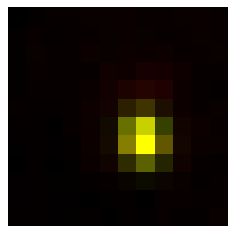
FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	480 nm	500 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.805		
Theta	-81.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 1124.134$ (brightness)

$B = 132.621$ (background)

$a = 0.892$ px

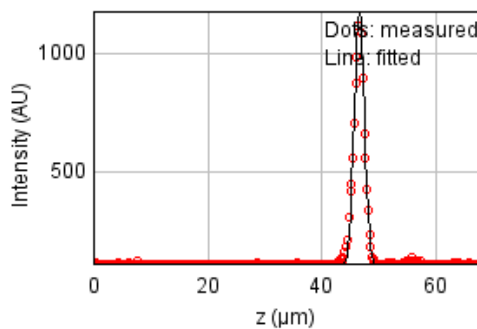
$b = -0.048$ px

$c = 0.590$ px

$x_c = 6.877$ px

$y_c = 6.665$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 68667.7718

Standard deviation: 14.95572

$R^2: 0.99100$

Parameters:

$a = 114.73977$

$b = 1178.17975$

$c = 46.63593$

$d = 0.86965$

Bead 2385

Date : Mon Oct 17 13:53:16 PDT 2022

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

Frame size : 12 pixels

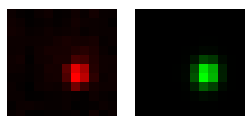
Coordinates : -61.5 μm (x), 30.3 μm (y), 46.0 μm (z)

Corresponding bead : Not found

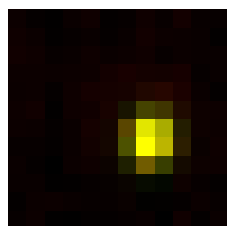
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	442 nm	270 nm
max	490 nm	510 nm	270 nm
z	2.3 μm	2.31 μm	1.3 μm
Asymmetry	0.867		
Theta	82.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 529.308$ (brightness)

$B = 123.392$ (background)

$a = 0.740$ px

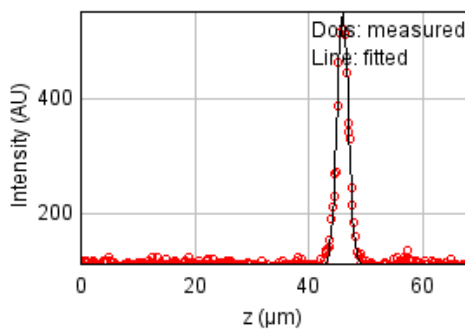
$b = 0.025$ px

$c = 0.563$ px

$x_c = 7.283$ px

$y_c = 6.581$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27169.6852

Standard deviation: 9.40748

$R^2: 0.98119$

Parameters:

$a = 114.34366$

$b = 549.61163$

$c = 46.00063$

$d = 0.97879$

Bead 2386 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : -161 μm (x), 22.0 μm (y), 45.8 μm (z)

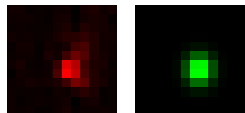
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

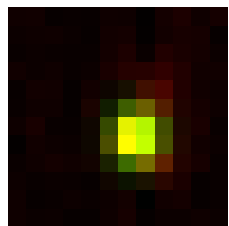
FWHM	Non corrected	Corrected	Theoretical
min	478 nm	497 nm	270 nm
max	546 nm	569 nm	270 nm
z	2.2 μm	2.21 μm	1.3 μm
Asymmetry	0.874		
Theta	89.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.878$



Parameters:

A = 349.528 (brightness)

B = 118.764 (background)

a = 0.588 px

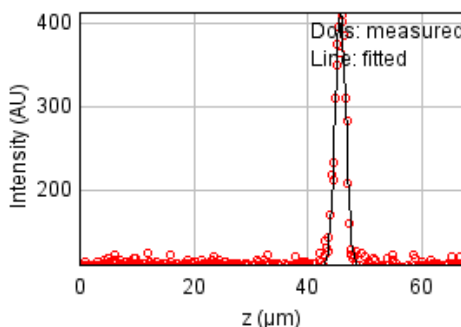
b = 0.002 px

c = 0.450 px

xc = 6.507 px

yc = 6.547 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19520.3781

Standard deviation: 7.97398

R^2 : 0.97100

Parameters:

a = 110.46460

b = 412.67120

c = 45.77263

d = 0.93397

Bead 2387

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

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

Frame size : 12 pixels

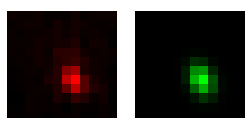
Coordinates : 70.8 μm (x), 20.1 μm (y), 46.4 μm (z)

Corresponding bead : Not found

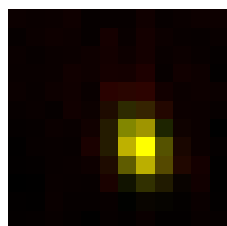
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	575 nm	599 nm	270 nm
z	1.72 μm	1.73 μm	1.3 μm
Asymmetry	0.709		
Theta	-68.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 560.362 (brightness)

B = 122.378 (background)

a = 0.755 px

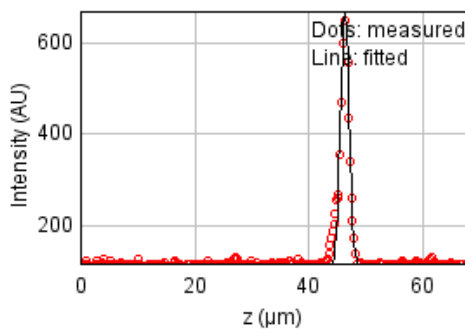
b = -0.136 px

c = 0.459 px

$x_c = 6.746$ px

$y_c = 7.009$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 49527.3851

Standard deviation: 12.70146

R^2 : 0.97235

Parameters:

a = 115.30246

b = 669.82299

c = 46.37222

d = 0.73105

Bead 2388

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

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

Frame size : 12 pixels

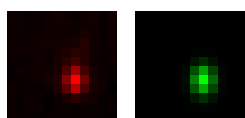
Coordinates : 69.5 μm (x), -15.1 μm (y), 46.3 μm (z)

Corresponding bead : Not found

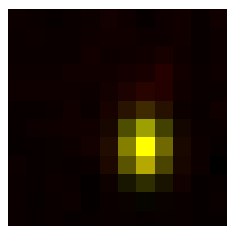
FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	548 nm	571 nm	270 nm
z	1.99 μm	1.99 μm	1.3 μm
Asymmetry	0.747		
Theta	89.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 687.213 (brightness)

B = 123.535 (background)

a = 0.801 px

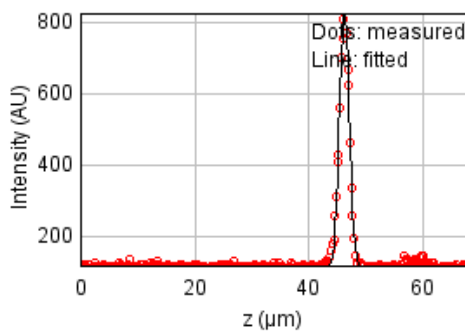
b = 0.005 px

c = 0.447 px

xc = 6.939 px

yc = 7.029 px

Z profile & fitting parameters:



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

Sum of residuals squared: 38358.5808

Standard deviation: 11.17795

R^2 : 0.98861

Parameters:

a = 114.86732

b = 830.85104

c = 46.29574

d = 0.84299

Bead 2389

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

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

Frame size : 12 pixels

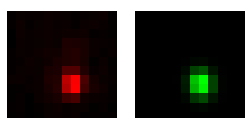
Coordinates : 64.6 μm (x), -23.3 μm (y), 46.4 μm (z)

Corresponding bead : Not found

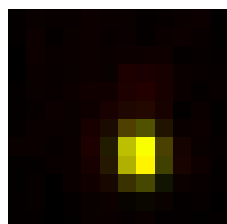
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	418 nm	270 nm
max	477 nm	497 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.842		
Theta	-85.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 716.705$ (brightness)

$B = 123.997$ (background)

$a = 0.830$ px

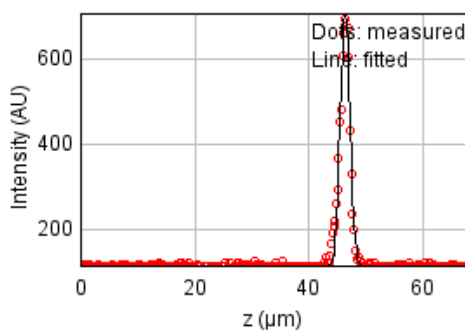
$b = -0.021$ px

$c = 0.592$ px

$x_c = 6.684$ px

$y_c = 7.450$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 41298.7961

Standard deviation: 11.59844

$R^2 = 0.98205$

Parameters:

$a = 114.03273$

$b = 705.58169$

$c = 46.42091$

$d = 0.83827$

Bead 2390

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

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

Frame size : 12 pixels

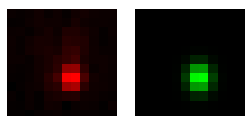
Coordinates : 89.9 μm (x), -30.9 μm (y), 46.2 μm (z)

Corresponding bead : Not found

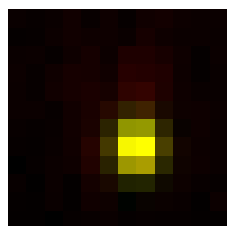
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	519 nm	540 nm	270 nm
z	2.15 μm	2.15 μm	1.3 μm
Asymmetry	0.833		
Theta	-89.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 570.303$ (brightness)

$B = 124.200$ (background)

$a = 0.718$ px

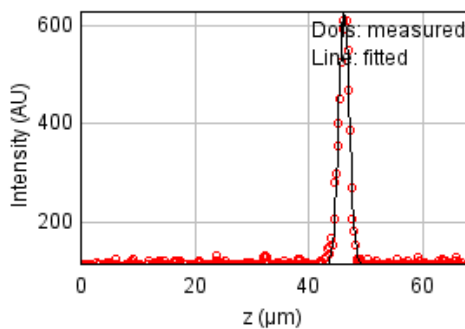
$b = -0.004$ px

$c = 0.499$ px

$x_c = 6.523$ px

$y_c = 7.008$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28764.2737

Standard deviation: 9.67960

$R^2: 0.98480$

Parameters:

$a = 113.58769$

$b = 629.83374$

$c = 46.24930$

$d = 0.91109$

Bead 2391

Date : Mon Oct 17 13:53:18 PDT 2022

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

Frame size : 12 pixels

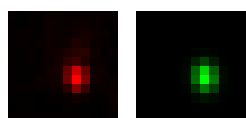
Coordinates : 21.8 μm (x), -35.9 μm (y), 45.9 μm (z)

Corresponding bead : Not found

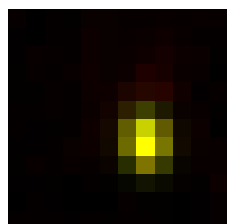
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	522 nm	544 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.77		
Theta	-83.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 747.816 (brightness)

B = 125.025 (background)

a = 0.826 px

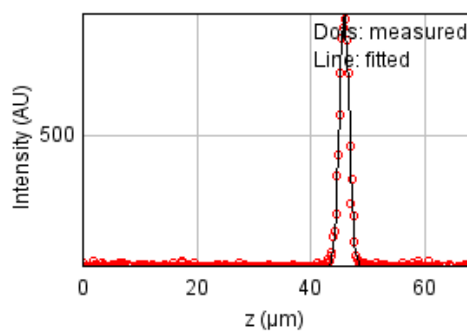
b = -0.038 px

c = 0.497 px

$x_c = 7.018$ px

$y_c = 6.704$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 37811.1534

Standard deviation: 11.09790

R^2 : 0.98980

Parameters:

a = 113.59975

b = 863.67513

c = 45.92697

d = 0.84719

Bead 2392 (Rejected)

Date : Mon Oct 17 13:53:18 PDT 2022

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

Frame size : 12 pixels

Coordinates : 23.2 μm (x), -49.0 μm (y), 42.7 μm (z)

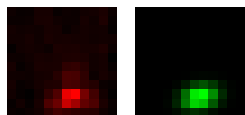
Corresponding bead : Not found

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

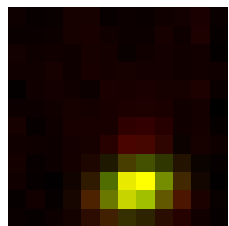
FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	652 nm	679 nm	270 nm
z	3.29 μm	3.3 μm	1.3 μm
Asymmetry	0.657		
Theta	13.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.901$



Parameters:

A = 295.310 (brightness)

B = 120.696 (background)

a = 0.337 px

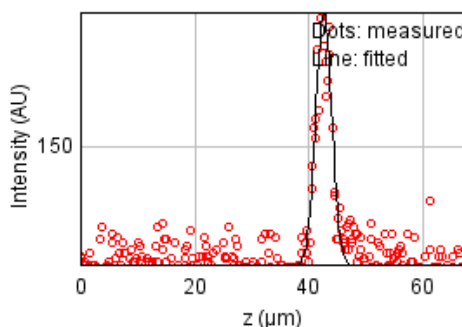
b = 0.092 px

c = 0.711 px

xc = 6.525 px

yc = 9.365 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14462.2366

Standard deviation: 6.86355

R^2 : 0.81969

Parameters:

a = 112.73809

b = 192.11769

c = 42.67822

d = 1.39720

Bead 2393

Date : Mon Oct 17 13:53:18 PDT 2022

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

Frame size : 12 pixels

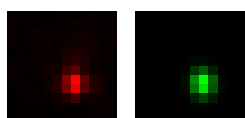
Coordinates : 4.6 μm (x), -57.6 μm (y), 46.5 μm (z)

Corresponding bead : Not found

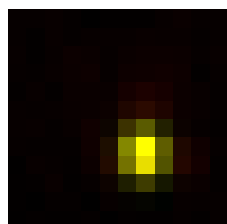
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	420 nm	270 nm
max	478 nm	498 nm	270 nm
z	1.8 μm	1.8 μm	1.3 μm
Asymmetry	0.842		
Theta	-86.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 938.929 (brightness)

B = 127.411 (background)

a = 0.826 px

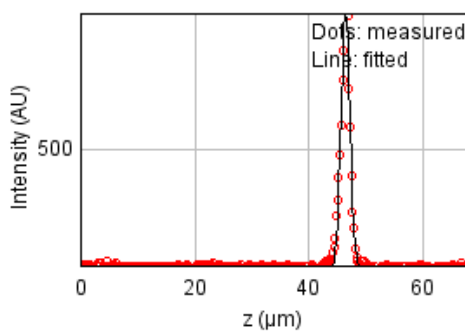
b = -0.016 px

c = 0.587 px

xc = 6.891 px

yc = 7.375 px

Z profile & fitting parameters:



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

Sum of residuals squared: 57889.3825

Standard deviation: 13.73189

R^2 : 0.98631

Parameters:

a = 114.07108

b = 954.89948

c = 46.49132

d = 0.76294

Bead 2394 (Rejected)

Date : Mon Oct 17 13:53:18 PDT 2022

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

Frame size : 12 pixels

Coordinates : 77.0 um (x), -58.3 um (y), 44.2 um (z)

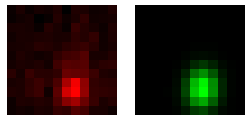
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

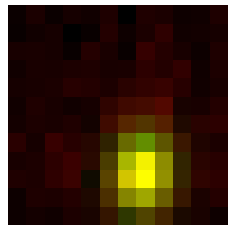
FWHM	Non corrected	Corrected	Theoretical
min	573 nm	597 nm	270 nm
max	753 nm	784 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.761		
Theta	85.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 140.570 (brightness)

B = 119.180 (background)

a = 0.408 px

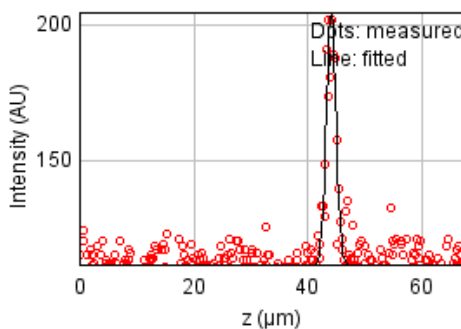
b = 0.013 px

c = 0.238 px

xc = 6.822 px

yc = 8.617 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13845.8416

Standard deviation: 6.71569

R^2 : 0.80214

Parameters:

a = 111.93793

b = 204.54545

c = 44.15174

d = 0.85023

Bead 2395

Date : Mon Oct 17 13:53:18 PDT 2022

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

Frame size : 12 pixels

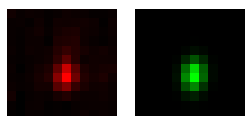
Coordinates : 137 μm (x), -59.0 μm (y), 46.2 μm (z)

Corresponding bead : Not found

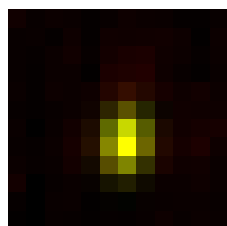
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	576 nm	600 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.717		
Theta	83.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 570.514 (brightness)

B = 123.578 (background)

a = 0.782 px

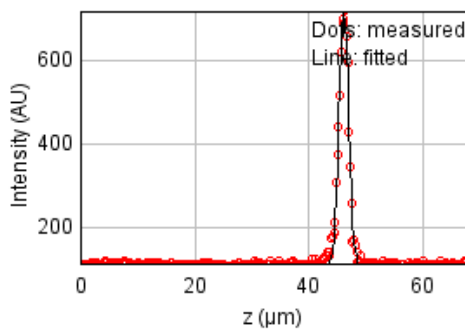
b = 0.041 px

c = 0.409 px

xc = 5.920 px

yc = 6.712 px

Z profile & fitting parameters:



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

Sum of residuals squared: 27835.7625

Standard deviation: 9.52209

R^2 : 0.98821

Parameters:

a = 110.71349

b = 716.13473

c = 46.19954

d = 0.82549

Bead 2396

Date : Mon Oct 17 13:53:18 PDT 2022

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

Frame size : 12 pixels

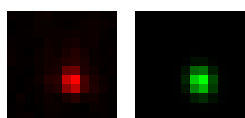
Coordinates : 43.9 μm (x), -73.4 μm (y), 46.4 μm (z)

Corresponding bead : Not found

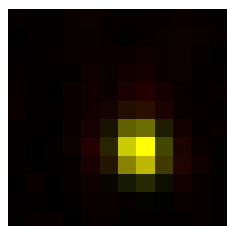
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	484 nm	504 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.863		
Theta	-73.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 767.377$ (brightness)

$B = 126.879$ (background)

$a = 0.754$ px

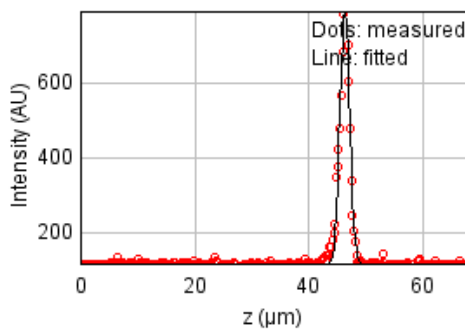
$b = -0.053$ px

$c = 0.588$ px

$x_c = 6.665$ px

$y_c = 7.187$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 50899.3557

Standard deviation: 12.87618

$R^2: 0.98342$

Parameters:

$a = 113.74723$

$b = 794.97308$

$c = 46.36736$

$d = 0.84502$

Bead 2397

Date : Mon Oct 17 13:53:19 PDT 2022

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

Frame size : 12 pixels

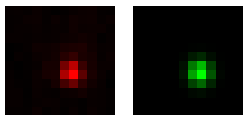
Coordinates : 2.59 μm (x), -82.8 μm (y), 46.2 μm (z)

Corresponding bead : Not found

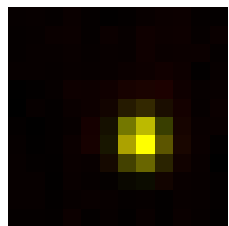
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	467 nm	486 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.89		
Theta	-88.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 567.813$ (brightness)

$B = 124.431$ (background)

$a = 0.776$ px

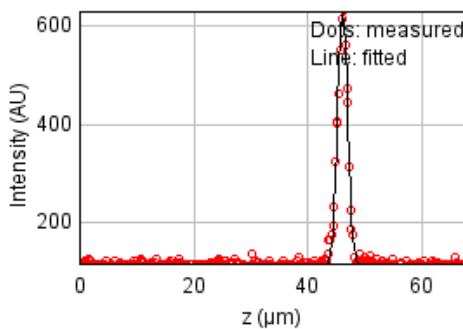
$b = -0.004$ px

$c = 0.615$ px

$x_c = 6.790$ px

$y_c = 6.755$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29241.0035

Standard deviation: 9.75949

$R^2: 0.98380$

Parameters:

$a = 114.65010$

$b = 629.72196$

$c = 46.15214$

$d = 0.87018$

Bead 2398

Date : Mon Oct 17 13:53:19 PDT 2022

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

Frame size : 12 pixels

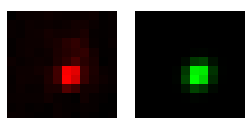
Coordinates : -8.49 μm (x), -92.6 μm (y), 46.2 μm (z)

Corresponding bead : Not found

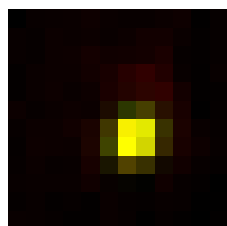
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	455 nm	474 nm	270 nm
z	2.43 μm	2.44 μm	1.3 μm
Asymmetry	0.896		
Theta	53.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 699.260 (brightness)

B = 122.749 (background)

a = 0.751 px

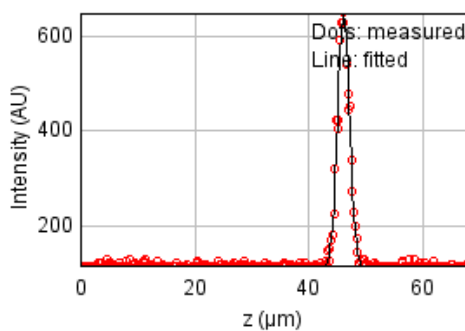
b = 0.076 px

c = 0.702 px

xc = 6.429 px

yc = 6.498 px

Z profile & fitting parameters:



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

Sum of residuals squared: 41058.1958

Standard deviation: 11.56460

R^2 : 0.98213

Parameters:

a = 113.57374

b = 649.63674

c = 46.15276

d = 1.03021

Bead 2399

Date : Mon Oct 17 13:53:19 PDT 2022

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

Frame size : 12 pixels

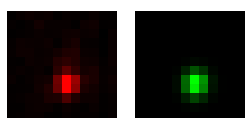
Coordinates : -88.2 μm (x), -95.5 μm (y), 46.5 μm (z)

Corresponding bead : Not found

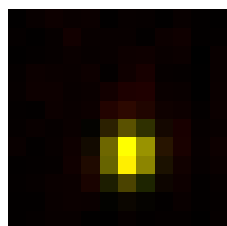
FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	471 nm	491 nm	270 nm
z	1.86 μm	1.87 μm	1.3 μm
Asymmetry	0.909		
Theta	82.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 671.701 (brightness)

B = 123.421 (background)

a = 0.730 px

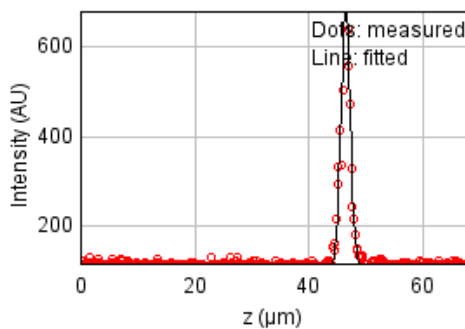
b = 0.016 px

c = 0.606 px

xc = 6.109 px

yc = 7.443 px

Z profile & fitting parameters:



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

Sum of residuals squared: 53520.1572

Standard deviation: 13.20351

R^2 : 0.97365

Parameters:

a = 113.99726

b = 683.33851

c = 46.51567

d = 0.78987

Bead 2400

Date : Mon Oct 17 13:53:19 PDT 2022

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

Frame size : 12 pixels

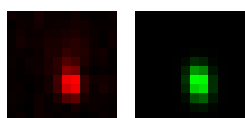
Coordinates : 86.8 μm (x), 87.4 μm (y), 46.4 μm (z)

Corresponding bead : Not found

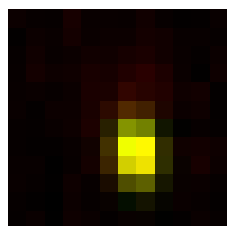
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	602 nm	627 nm	270 nm
z	1.97 μm	1.97 μm	1.3 μm
Asymmetry	0.663		
Theta	-83.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 487.362$ (brightness)

$B = 123.944$ (background)

$a = 0.835$ px

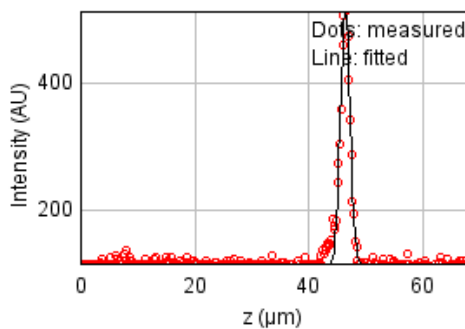
$b = -0.057$ px

$c = 0.377$ px

$x_c = 6.505$ px

$y_c = 7.295$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27636.3936

Standard deviation: 9.48793

$R^2: 0.97363$

Parameters:

$a = 114.45715$

$b = 512.68492$

$c = 46.44399$

$d = 0.83512$