

Bead 1501

Date : Mon Oct 17 13:52:13 PDT 2022

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

Frame size : 12 pixels

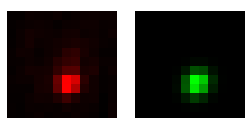
Coordinates : -88.4 μm (x), 1.78 μm (y), 29.9 μm (z)

Corresponding bead : Not found

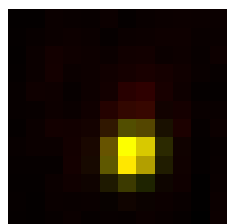
FWHM	Non corrected	Corrected	Theoretical
min	430 nm	448 nm	270 nm
max	477 nm	497 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.901		
Theta	52.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 735.274$ (brightness)

$B = 125.916$ (background)

$a = 0.675$ px

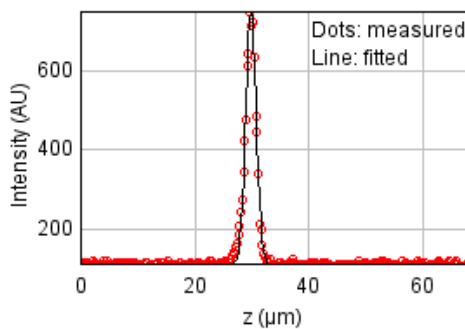
$b = 0.067$ px

$c = 0.641$ px

$x_c = 6.282$ px

$y_c = 7.394$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 35212.7332

Standard deviation: 10.70978

$R^2: 0.98786$

Parameters:

$a = 113.40720$

$b = 747.61289$

$c = 29.92293$

$d = 0.92909$

Bead 1502

Date : Mon Oct 17 13:52:13 PDT 2022

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

Frame size : 12 pixels

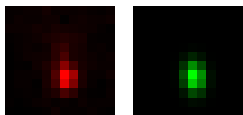
Coordinates : 138 μm (x), -1.26 μm (y), 29.7 μm (z)

Corresponding bead : Not found

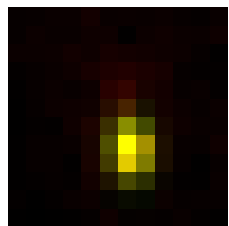
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	574 nm	598 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.683		
Theta	-85.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 425.618$ (brightness)

$B = 118.107$ (background)

$a = 0.870$ px

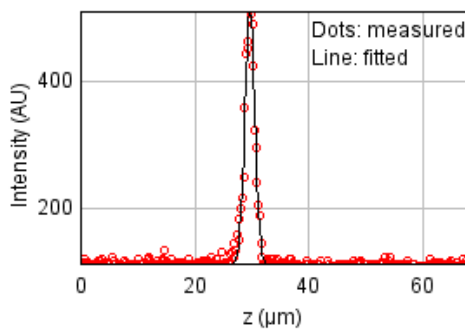
$b = -0.035$ px

$c = 0.409$ px

$x_c = 6.181$ 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: 21478.8297

Standard deviation: 8.36443

$R^2: 0.98055$

Parameters:

$a = 111.42463$

$b = 510.62822$

$c = 29.71999$

$d = 0.88431$

Bead 1503

Date : Mon Oct 17 13:52:13 PDT 2022

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

Frame size : 12 pixels

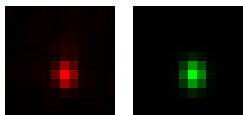
Coordinates : -82.7 μm (x), -21.2 μm (y), 29.5 μm (z)

Corresponding bead : Not found

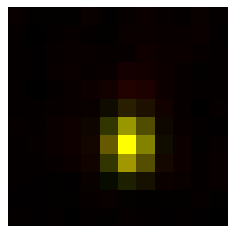
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	506 nm	526 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.779		
Theta	-89.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 653.969 (brightness)

B = 124.335 (background)

a = 0.864 px

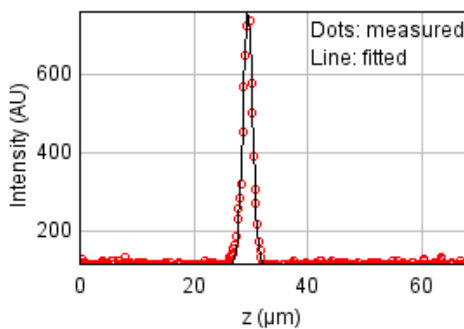
b = -0.002 px

c = 0.525 px

xc = 6.108 px

yc = 7.003 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28616.3379

Standard deviation: 9.65468

R^2 : 0.98967

Parameters:

a = 114.09234

b = 761.03922

c = 29.53131

d = 0.85069

Bead 1504

Date : Mon Oct 17 13:52:14 PDT 2022

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

Frame size : 12 pixels

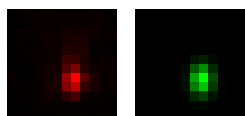
Coordinates : 56.7 μm (x), -29.6 μm (y), 30.0 μm (z)

Corresponding bead : Not found

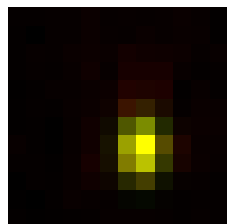
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	554 nm	577 nm	270 nm
z	1.87 μm	1.88 μm	1.3 μm
Asymmetry	0.718		
Theta	89.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 713.258$ (brightness)

$B = 125.754$ (background)

$a = 0.848$ px

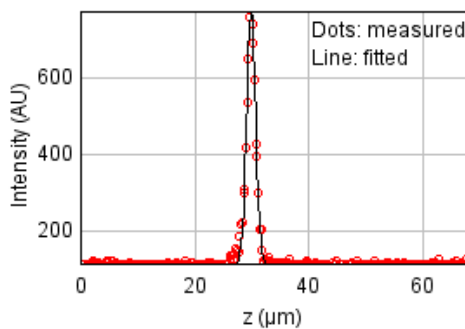
$b = 0.006$ px

$c = 0.437$ px

$x_c = 6.773$ px

$y_c = 7.190$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 35299.4620

Standard deviation: 10.72296

$R^2: 0.98683$

Parameters:

$a = 114.51504$

$b = 771.50240$

$c = 29.95233$

$d = 0.79358$

Bead 1505 (Rejected)

Date : Mon Oct 17 13:52:14 PDT 2022

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

Frame size : 12 pixels

Coordinates : 160 μm (x), -31.6 μm (y), 29.5 μm (z)

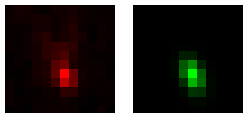
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	353 nm	368 nm	270 nm
max	589 nm	614 nm	270 nm
z	2.24 μm	2.25 μm	1.3 μm
Asymmetry	0.6		
Theta	-68.7°		

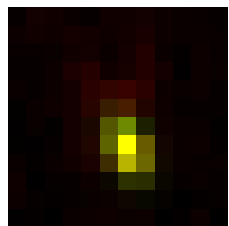
XY profile & fitting parameters :

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



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

$R^2 = 0.894$



Parameters:

A = 323.325 (brightness)

B = 116.262 (background)

a = 0.984 px

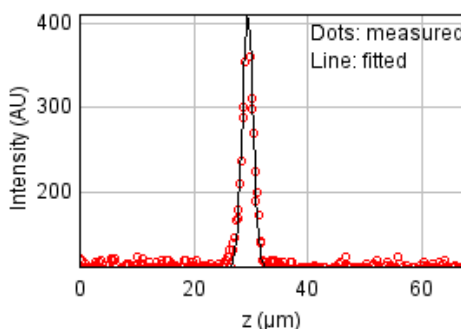
b = -0.234 px

c = 0.478 px

xc = 6.011 px

yc = 7.144 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25207.4893

Standard deviation: 9.06141

R^2 : 0.96329

Parameters:

a = 109.62717

b = 411.22919

c = 29.51877

d = 0.94979

Bead 1506

Date : Mon Oct 17 13:52:14 PDT 2022

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

Frame size : 12 pixels

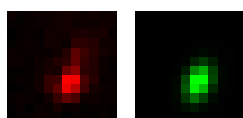
Coordinates : 99.8 μm (x), -33.2 μm (y), 29.9 μm (z)

Corresponding bead : Not found

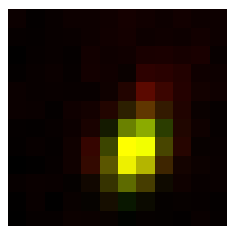
FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	652 nm	679 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.665		
Theta	67.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 467.424 (brightness)

B = 122.467 (background)

a = 0.655 px

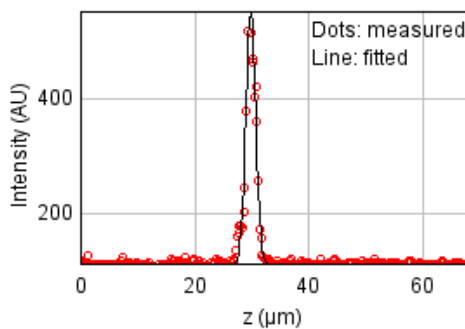
b = 0.141 px

c = 0.374 px

xc = 6.447 px

yc = 7.248 px

Z profile & fitting parameters:



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

Sum of residuals squared: 46688.2557

Standard deviation: 12.33203

R^2 : 0.96481

Parameters:

a = 112.99424

b = 549.87547

c = 29.89469

d = 0.87224

Bead 1507

Date : Mon Oct 17 13:52:14 PDT 2022

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

Frame size : 12 pixels

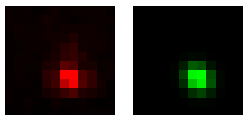
Coordinates : -34.2 μm (x), -43.8 μm (y), 29.7 μm (z)

Corresponding bead : Not found

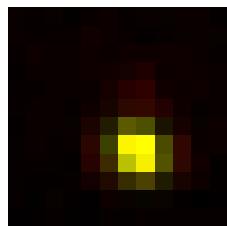
FWHM	Non corrected	Corrected	Theoretical
min	433 nm	451 nm	270 nm
max	497 nm	517 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.871		
Theta	-48.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 713.946$ (brightness)

$B = 126.297$ (background)

$a = 0.641$ px

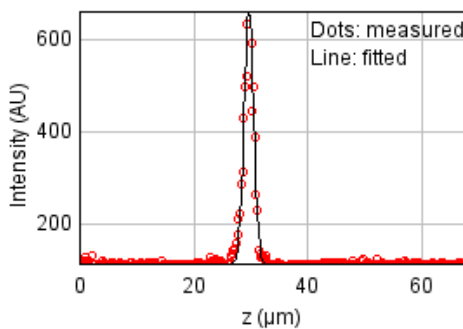
$b = -0.086$ px

$c = 0.620$ px

$x_c = 6.585$ px

$y_c = 7.390$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38128.6784

Standard deviation: 11.14440

$R^2: 0.98095$

Parameters:

$a = 113.79517$

$b = 659.92071$

$c = 29.72968$

$d = 0.85531$

Bead 1508 (Rejected)

Date : Mon Oct 17 13:52:14 PDT 2022

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

Frame size : 12 pixels

Coordinates : -81.5 μm (x), -57.4 μm (y), 26.4 μm (z)

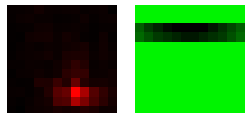
Corresponding bead : Not found

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

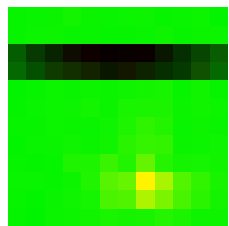
FWHM	Non corrected	Corrected	Theoretical
min	122 nm	127 nm	270 nm
max	2.86 μm	2.98 μm	270 nm
z	3.63 μm	3.65 μm	1.3 μm
Asymmetry	0.043		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.044$



Parameters:

A = -186.789 (brightness)

B = 143.657 (background)

a = -0.016 px

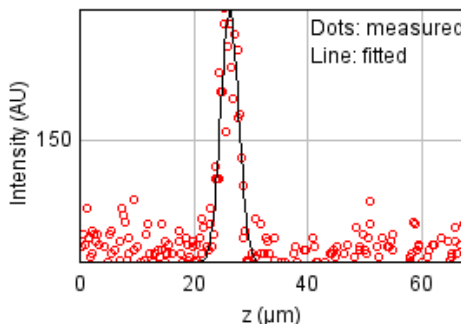
b = -0.002 px

c = 8.966 px

xc = 5.456 px

yc = 2.493 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17355.7956

Standard deviation: 7.51888

R^2 : 0.80115

Parameters:

a = 112.10631

b = 190.32524

c = 26.37050

d = 1.54314

Bead 1509

Date : Mon Oct 17 13:52:14 PDT 2022

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

Frame size : 12 pixels

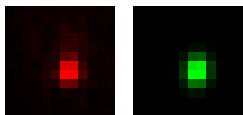
Coordinates : 88.1 μm (x), -82.3 μm (y), 29.5 μm (z)

Corresponding bead : Not found

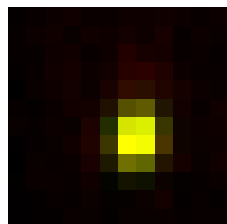
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	432 nm	270 nm
max	537 nm	559 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.772		
Theta	84.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 513.655 (brightness)

B = 119.476 (background)

a = 0.778 px

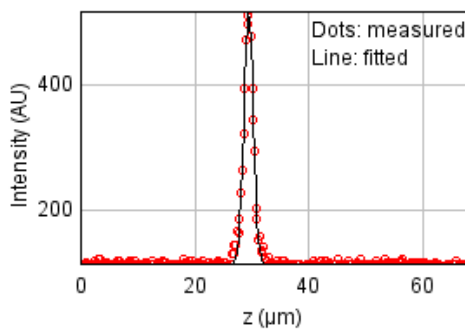
b = 0.032 px

c = 0.469 px

xc = 6.509 px

yc = 6.583 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15424.2180

Standard deviation: 7.08814

R^2 : 0.98543

Parameters:

a = 112.27358

b = 516.16585

c = 29.49545

d = 0.82983

Bead 1510

Date : Mon Oct 17 13:52:14 PDT 2022

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

Frame size : 12 pixels

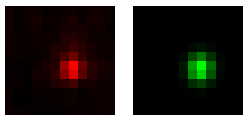
Coordinates : 118 um (x), -82.5 um (y), 29.6 um (z)

Corresponding bead : Not found

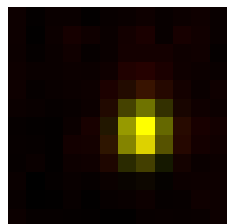
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	521 nm	542 nm	270 nm
z	1.91 um	1.92 um	1.3 um
Asymmetry	0.839		
Theta	84.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 437.570 (brightness)

B = 121.510 (background)

a = 0.700 px

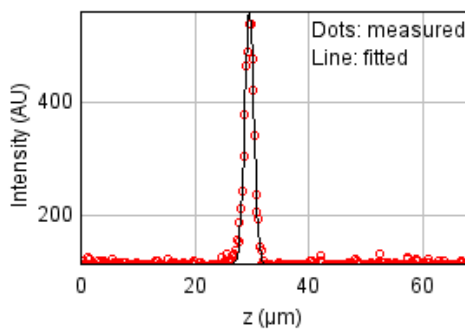
b = 0.021 px

c = 0.497 px

xc = 6.850 px

yc = 6.309 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20085.0829

Standard deviation: 8.08849

R^2 : 0.98441

Parameters:

a = 112.12930

b = 561.81148

c = 29.62074

d = 0.81314

Bead 1511

Date : Mon Oct 17 13:52:15 PDT 2022

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

Frame size : 12 pixels

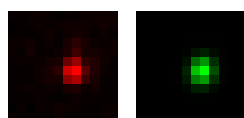
Coordinates : -60.8 μm (x), -89.0 μm (y), 29.8 μm (z)

Corresponding bead : Not found

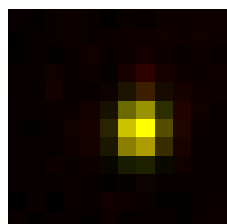
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	443 nm	270 nm
max	507 nm	528 nm	270 nm
z	2.11 μm	2.11 μm	1.3 μm
Asymmetry	0.838		
Theta	83.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 585.726 (brightness)

B = 123.054 (background)

a = 0.740 px

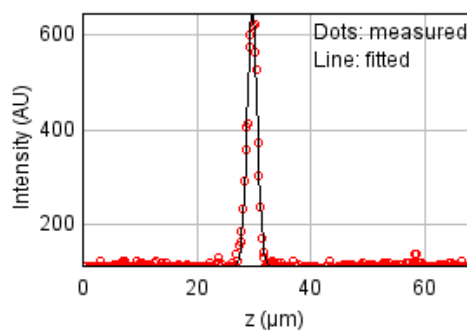
b = 0.025 px

c = 0.524 px

xc = 6.684 px

yc = 6.047 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28266.8352

Standard deviation: 9.59554

R^2 : 0.98584

Parameters:

a = 112.62502

b = 647.96218

c = 29.78671

d = 0.89392

Bead 1512

Date : Mon Oct 17 13:52:15 PDT 2022

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

Frame size : 12 pixels

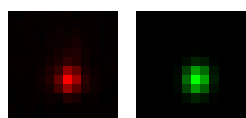
Coordinates : 12.4 μm (x), -94.7 μm (y), 29.9 μm (z)

Corresponding bead : Not found

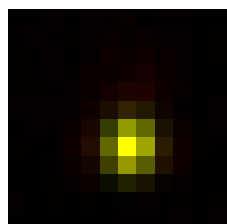
FWHM	Non corrected	Corrected	Theoretical
min	448 nm	466 nm	270 nm
max	513 nm	535 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.872		
Theta	83.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 789.736 (brightness)

B = 123.950 (background)

a = 0.667 px

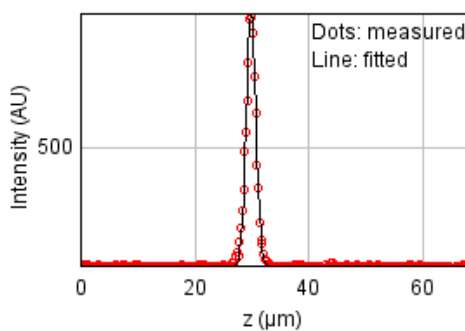
b = 0.019 px

c = 0.511 px

xc = 6.173 px

yc = 6.978 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28046.9326

Standard deviation: 9.55814

R^2 : 0.99379

Parameters:

a = 113.86228

b = 940.49522

c = 29.94849

d = 0.85411

Bead 1513 (Rejected)

Date : Mon Oct 17 13:52:15 PDT 2022

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

Frame size : 12 pixels

Coordinates : 4.18 μm (x), 91.2 μm (y), 26.8 μm (z)

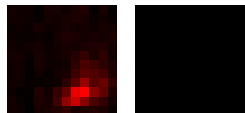
Corresponding bead : Not found

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

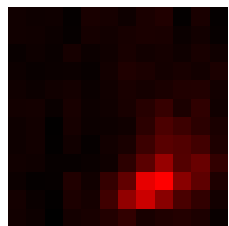
FWHM	Non corrected	Corrected	Theoretical
min	2.63 μm	2.73 μm	270 nm
max	4.39 μm	4.57 μm	270 nm
z	3.58 μm	3.6 μm	1.3 μm
Asymmetry	0.599		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.352$



Parameters:

A = -72.522 (brightness)

B = 190.775 (background)

a = 0.003 px

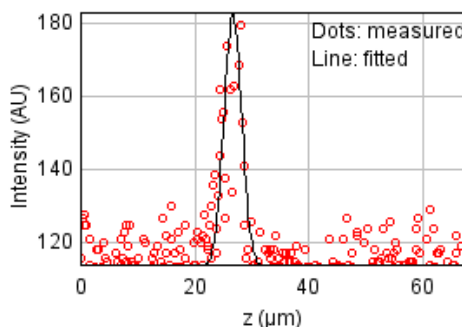
b = 0.013 px

c = 0.009 px

xc = 4.002 px

yc = 1.779 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19934.6569

Standard deviation: 8.05815

R^2 : 0.73249

Parameters:

a = 113.63646

b = 183.18261

c = 26.75035

d = 1.52194

Bead 1514

Date : Mon Oct 17 13:52:15 PDT 2022

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

Frame size : 12 pixels

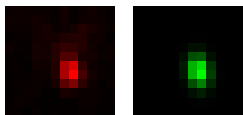
Coordinates : 7.63 μm (x), 89.7 μm (y), 29.9 μm (z)

Corresponding bead : Not found

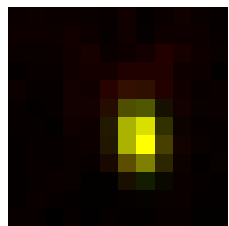
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	580 nm	604 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.671		
Theta	-81.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 625.709$ (brightness)

$B = 127.973$ (background)

$a = 0.877$ px

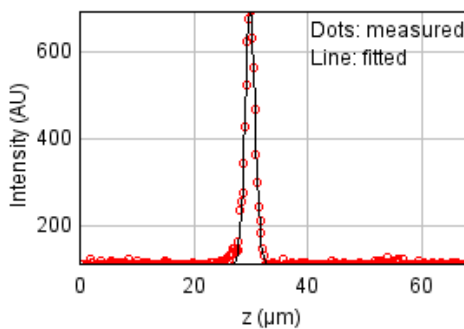
$b = -0.068$ px

$c = 0.409$ px

$x_c = 6.676$ px

$y_c = 6.605$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22158.6636

Standard deviation: 8.49577

$R^2 = 0.99031$

Parameters:

$a = 113.76573$

$b = 689.99702$

$c = 29.94917$

$d = 0.88755$

Bead 1515

Date : Mon Oct 17 13:52:15 PDT 2022

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

Frame size : 12 pixels

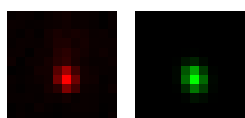
Coordinates : -95.9 μm (x), 76.0 μm (y), 29.7 μm (z)

Corresponding bead : Not found

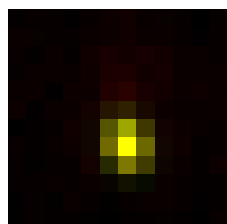
FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	488 nm	508 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.783		
Theta	-72.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 521.275$ (brightness)

$B = 122.919$ (background)

$a = 0.889$ px

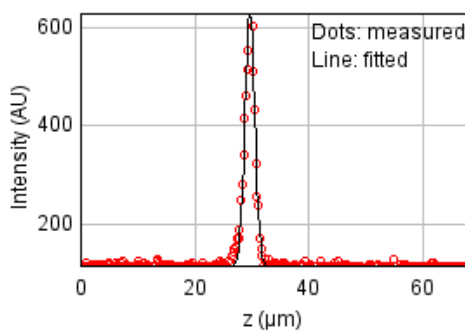
$b = -0.102$ px

$c = 0.596$ px

$x_c = 5.977$ px

$y_c = 6.857$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31866.9992

Standard deviation: 10.18829

$R^2: 0.98249$

Parameters:

$a = 113.26606$

$b = 628.73882$

$c = 29.73311$

$d = 0.87517$

Bead 1516

Date : Mon Oct 17 13:52:15 PDT 2022

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

Frame size : 12 pixels

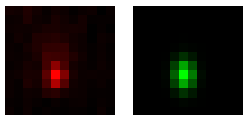
Coordinates : 109 μm (x), 65.4 μm (y), 26.2 μm (z)

Corresponding bead : Not found

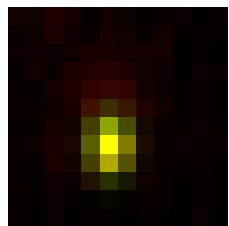
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	563 nm	586 nm	270 nm
z	1.87 μm	1.87 μm	1.3 μm
Asymmetry	0.699		
Theta	-89.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.904$



Parameters:

$A = 438.663$ (brightness)

$B = 126.205$ (background)

$a = 0.866$ px

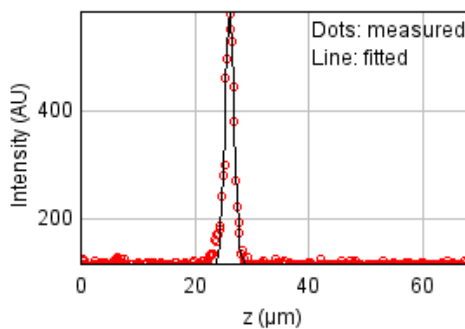
$b = -0.003$ px

$c = 0.424$ px

$x_c = 5.073$ px

$y_c = 7.014$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26471.1826

Standard deviation: 9.28576

$R^2: 0.98119$

Parameters:

$a = 113.31476$

$b = 588.25235$

$c = 26.19231$

$d = 0.79261$

Bead 1517

Date : Mon Oct 17 13:52:15 PDT 2022

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

Frame size : 12 pixels

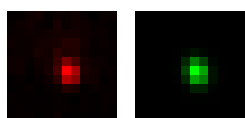
Coordinates : -34.3 μm (x), 60.6 μm (y), 29.7 μm (z)

Corresponding bead : Not found

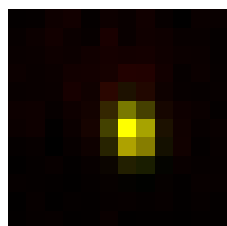
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	484 nm	504 nm	270 nm
z	2.0 μm	2.0 μm	1.3 μm
Asymmetry	0.786		
Theta	-74.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 515.155 (brightness)

B = 122.118 (background)

a = 0.903 px

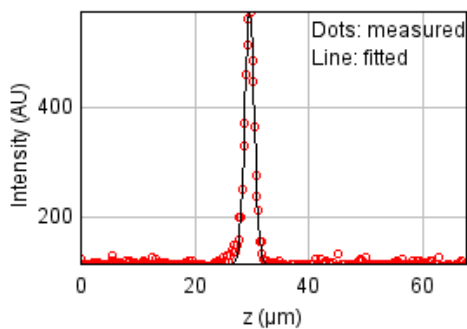
b = -0.094 px

c = 0.601 px

xc = 6.269 px

yc = 6.164 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18293.4391

Standard deviation: 7.71931

R^2 : 0.98711

Parameters:

a = 113.60851

b = 576.93561

c = 29.66309

d = 0.84761

Bead 1518

Date : Mon Oct 17 13:52:16 PDT 2022

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

Frame size : 12 pixels

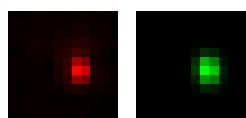
Coordinates : -50.1 μm (x), 56.7 μm (y), 30.0 μm (z)

Corresponding bead : Not found

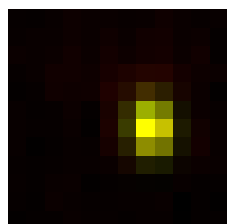
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	526 nm	548 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.744		
Theta	-84.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 699.360 (brightness)

B = 124.432 (background)

a = 0.871 px

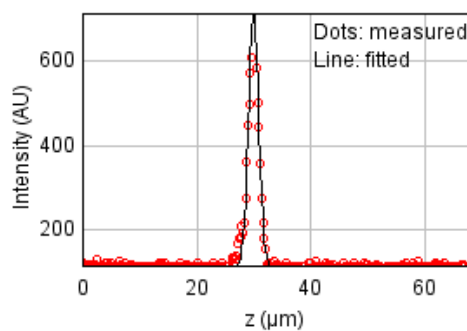
b = -0.036 px

c = 0.487 px

xc = 7.334 px

yc = 5.917 px

Z profile & fitting parameters:



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

Sum of residuals squared: 40411.4797

Standard deviation: 11.47316

R^2 : 0.98409

Parameters:

a = 113.65798

b = 716.38717

c = 30.04066

d = 0.89632

Bead 1519 (Rejected)

Date : Mon Oct 17 13:52:16 PDT 2022

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

Frame size : 12 pixels

Coordinates : -2.96 μm (x), 52.4 μm (y), 25.9 μm (z)

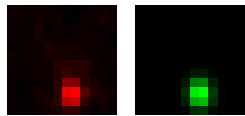
Corresponding bead : Not found

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

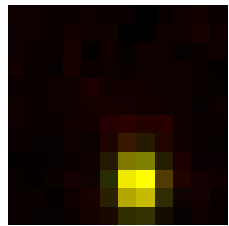
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	521 nm	543 nm	270 nm
z	3.07 μm	3.08 μm	1.3 μm
Asymmetry	0.792		
Theta	-88.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 470.906 (brightness)

B = 124.253 (background)

a = 0.786 px

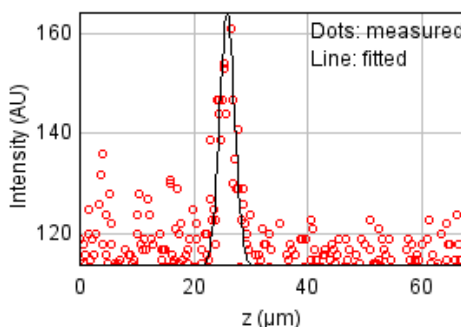
b = -0.009 px

c = 0.494 px

xc = 6.560 px

yc = 9.176 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15401.8897

Standard deviation: 7.08301

R^2 : 0.61761

Parameters:

a = 113.61246

b = 164.05901

c = 25.93992

d = 1.30201

Bead 1520

Date : Mon Oct 17 13:52:16 PDT 2022

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

Frame size : 12 pixels

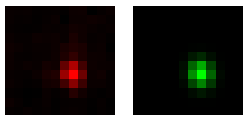
Coordinates : -79.9 μm (x), 23.2 μm (y), 29.8 μm (z)

Corresponding bead : Not found

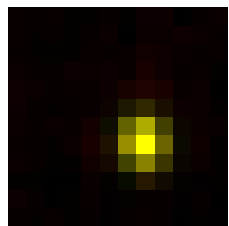
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	435 nm	270 nm
max	502 nm	522 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.832		
Theta	-83.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 630.835$ (brightness)

$B = 124.173$ (background)

$a = 0.767$ px

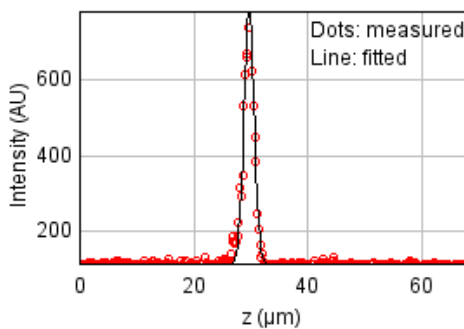
$b = -0.027$ px

$c = 0.537$ px

$x_c = 6.884$ px

$y_c = 6.862$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 62167.1308

Standard deviation: 14.23021

$R^2: 0.98021$

Parameters:

$a = 114.56569$

$b = 780.73099$

$c = 29.76612$

$d = 0.90404$

Bead 1521

Date : Mon Oct 17 13:52:16 PDT 2022

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

Frame size : 12 pixels

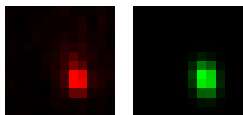
Coordinates : 72.5 μm (x), 20.2 μm (y), 29.9 μm (z)

Corresponding bead : Not found

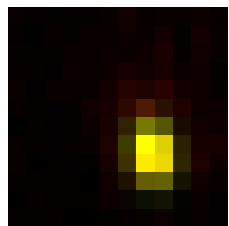
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	577 nm	601 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.696		
Theta	-81.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 608.431 (brightness)

B = 124.762 (background)

a = 0.824 px

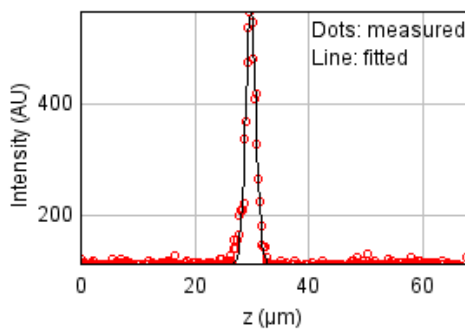
b = -0.063 px

c = 0.413 px

$x_c = 7.409$ px

$y_c = 7.456$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27313.7728

Standard deviation: 9.43239

R^2 : 0.98110

Parameters:

a = 114.05563

b = 563.10195

c = 29.89948

d = 0.91684

Bead 1522

Date : Mon Oct 17 13:52:16 PDT 2022

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

Frame size : 12 pixels

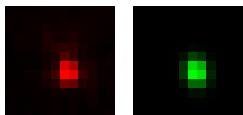
Coordinates : 10.4 μm (x), 17.1 μm (y), 29.9 μm (z)

Corresponding bead : Not found

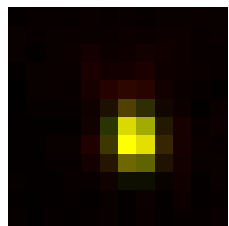
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.785		
Theta	-80.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 763.517$ (brightness)

$B = 127.573$ (background)

$a = 0.835$ px

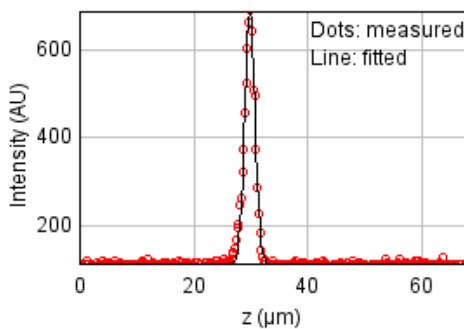
$b = -0.051$ px

$c = 0.528$ px

$x_c = 6.398$ px

$y_c = 6.687$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31261.4704

Standard deviation: 10.09103

$R^2 = 0.98648$

Parameters:

$a = 114.42172$

$b = 685.33282$

$c = 29.90693$

$d = 0.91196$

Bead 1523

Date : Mon Oct 17 13:52:16 PDT 2022

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

Frame size : 12 pixels

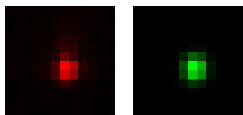
Coordinates : -93.0 μm (x), 8.18 μm (y), 30.4 μm (z)

Corresponding bead : Not found

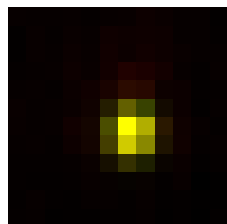
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	470 nm	489 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.877		
Theta	87.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 1099.555 (brightness)

B = 130.320 (background)

a = 0.789 px

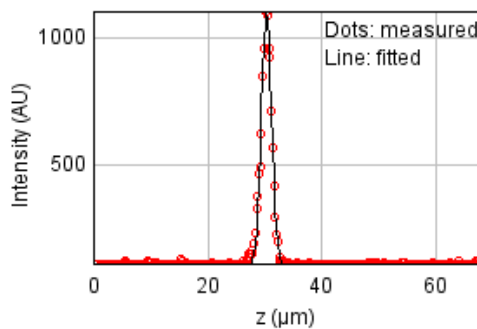
b = 0.008 px

c = 0.608 px

xc = 6.252 px

yc = 6.305 px

Z profile & fitting parameters:



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

Sum of residuals squared: 54577.2317

Standard deviation: 13.33327

R^2 : 0.99192

Parameters:

a = 113.60958

b = 1103.79504

c = 30.36873

d = 0.88905

Bead 1524

Date : Mon Oct 17 13:52:16 PDT 2022

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

Frame size : 12 pixels

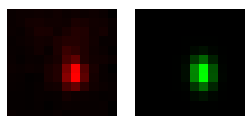
Coordinates : 144 um (x), 2.64 um (y), 29.8 um (z)

Corresponding bead : Not found

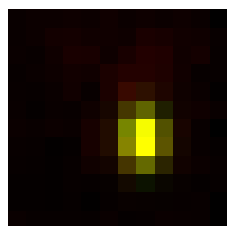
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	544 nm	567 nm	270 nm
z	1.98 um	1.98 um	1.3 um
Asymmetry	0.716		
Theta	-87.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 518.870 (brightness)

B = 120.392 (background)

a = 0.883 px

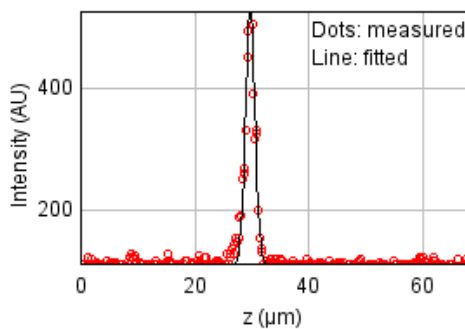
b = -0.016 px

c = 0.454 px

xc = 6.865 px

yc = 6.513 px

Z profile & fitting parameters:



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

Sum of residuals squared: 44686.8745

Standard deviation: 12.06482

R^2 : 0.96157

Parameters:

a = 112.28226

b = 528.19057

c = 29.80076

d = 0.83926

Bead 1525

Date : Mon Oct 17 13:52:17 PDT 2022

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

Frame size : 12 pixels

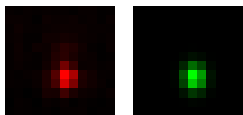
Coordinates : -31.9 μm (x), -12.7 μm (y), 30.2 μm (z)

Corresponding bead : Not found

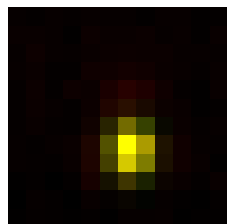
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	493 nm	513 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.821		
Theta	-88.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 763.386 (brightness)

B = 129.194 (background)

a = 0.818 px

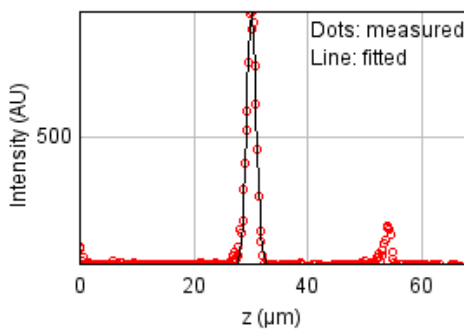
b = -0.005 px

c = 0.552 px

xc = 6.199 px

yc = 7.286 px

Z profile & fitting parameters:



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

Sum of residuals squared: 113606.314

Standard deviation: 19.23677

R^2 : 0.97022

Parameters:

a = 118.06582

b = 878.80618

c = 30.19222

d = 0.82972

Bead 1526

Date : Mon Oct 17 13:52:17 PDT 2022

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

Frame size : 12 pixels

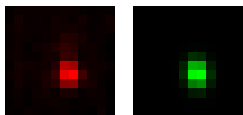
Coordinates : -92.9 μm (x), -13.3 μm (y), 29.7 μm (z)

Corresponding bead : Not found

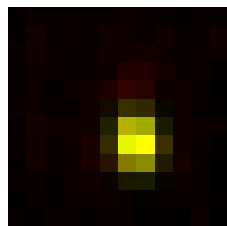
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	515 nm	536 nm	270 nm
z	2.32 μm	2.33 μm	1.3 μm
Asymmetry	0.759		
Theta	-83.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 517.771$ (brightness)

$B = 124.895$ (background)

$a = 0.874$ px

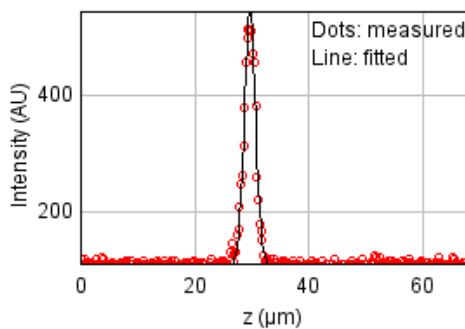
$b = -0.043$ px

$c = 0.511$ px

$x_c = 6.511$ px

$y_c = 6.869$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21204.8233

Standard deviation: 8.31090

$R^2: 0.98495$

Parameters:

$a = 112.73992$

$b = 541.72854$

$c = 29.74988$

$d = 0.98717$

Bead 1527 (Rejected)

Date : Mon Oct 17 13:52:17 PDT 2022

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

Frame size : 12 pixels

Coordinates : 77.0 μm (x), -21.6 μm (y), 27.1 μm (z)

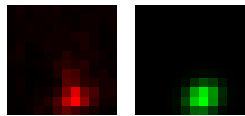
Corresponding bead : Not found

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

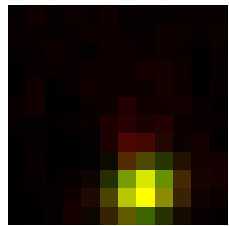
FWHM	Non corrected	Corrected	Theoretical
min	493 nm	513 nm	270 nm
max	590 nm	615 nm	270 nm
z	3.2 μm	3.21 μm	1.3 μm
Asymmetry	0.834		
Theta	28.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 341.584 (brightness)

B = 121.326 (background)

a = 0.422 px

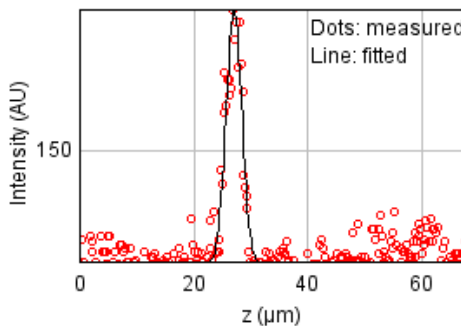
b = 0.070 px

c = 0.515 px

xc = 6.851 px

yc = 9.621 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13435.0412

Standard deviation: 6.61531

R^2 : 0.84189

Parameters:

a = 112.98735

b = 196.83739

c = 27.11736

d = 1.35958

Bead 1528

Date : Mon Oct 17 13:52:17 PDT 2022

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

Frame size : 12 pixels

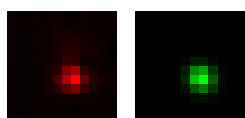
Coordinates : 10.3 μm (x), -39.7 μm (y), 30.1 μm (z)

Corresponding bead : Not found

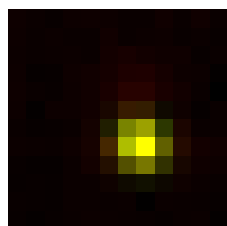
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	464 nm	270 nm
max	483 nm	503 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.922		
Theta	-51.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 663.018 (brightness)

B = 125.730 (background)

a = 0.637 px

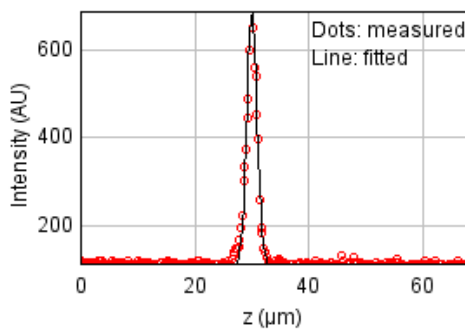
b = -0.049 px

c = 0.615 px

xc = 6.721 px

yc = 6.853 px

Z profile & fitting parameters:



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

Sum of residuals squared: 44849.2354

Standard deviation: 12.08672

R^2 : 0.98041

Parameters:

a = 113.96495

b = 686.14636

c = 30.10034

d = 0.89255

Bead 1529

Date : Mon Oct 17 13:52:17 PDT 2022

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

Frame size : 12 pixels

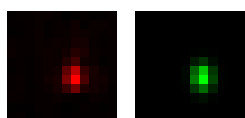
Coordinates : -17.4 μm (x), -70.9 μm (y), 29.7 μm (z)

Corresponding bead : Not found

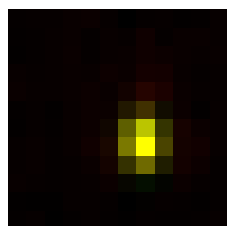
FWHM	Non corrected	Corrected	Theoretical
min	360 nm	375 nm	270 nm
max	485 nm	505 nm	270 nm
z	1.84 μm	1.85 μm	1.3 μm
Asymmetry	0.742		
Theta	-88.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 776.004$ (brightness)

$B = 124.943$ (background)

$a = 1.035$ px

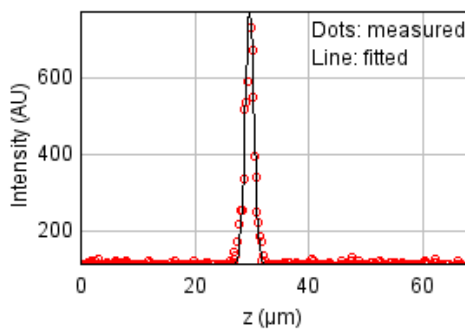
$b = -0.012$ px

$c = 0.570$ px

$x_c = 6.859$ px

$y_c = 6.727$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 56456.1020

Standard deviation: 13.56083

$R^2: 0.97876$

Parameters:

$a = 115.82364$

$b = 771.81622$

$c = 29.67617$

$d = 0.78247$

Bead 1530

Date : Mon Oct 17 13:52:17 PDT 2022

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

Frame size : 12 pixels

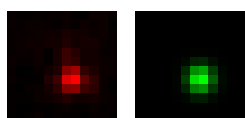
Coordinates : 109 μm (x), -90.3 μm (y), 30.1 μm (z)

Corresponding bead : Not found

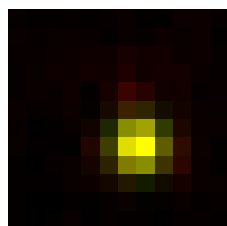
FWHM	Non corrected	Corrected	Theoretical
min	483 nm	503 nm	270 nm
max	507 nm	528 nm	270 nm
z	1.91 μm	1.92 μm	1.3 μm
Asymmetry	0.953		
Theta	88.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 538.273 (brightness)

B = 119.854 (background)

a = 0.575 px

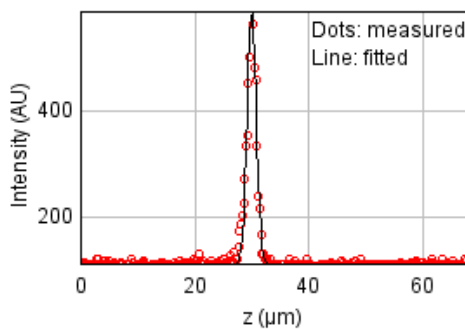
b = 0.001 px

c = 0.522 px

xc = 6.620 px

yc = 6.932 px

Z profile & fitting parameters:



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

Sum of residuals squared: 27746.0179

Standard deviation: 9.50673

R^2 : 0.98102

Parameters:

a = 111.91107

b = 590.06883

c = 30.06160

d = 0.81303

Bead 1531

Date : Mon Oct 17 13:52:18 PDT 2022

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

Frame size : 12 pixels

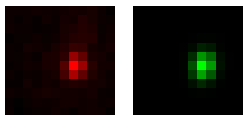
Coordinates : 149 um (x), -91.6 um (y), 29.1 um (z)

Corresponding bead : Not found

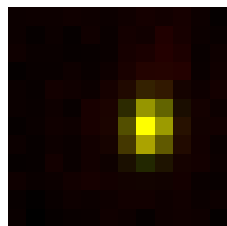
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	525 nm	547 nm	270 nm
z	2.22 um	2.23 um	1.3 um
Asymmetry	0.756		
Theta	81.9°		

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 = 305.341 (brightness)

B = 114.171 (background)

a = 0.843 px

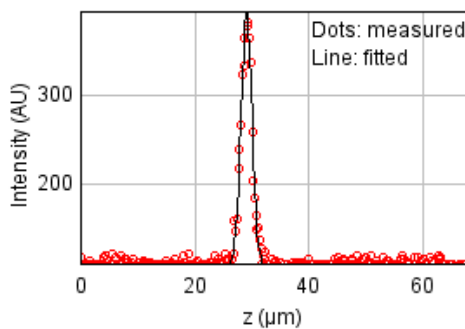
b = 0.051 px

c = 0.493 px

xc = 7.200 px

yc = 6.020 px

Z profile & fitting parameters:



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

Sum of residuals squared: 12119.7987

Standard deviation: 6.28317

R^2 : 0.97992

Parameters:

a = 110.10704

b = 396.45297

c = 29.13936

d = 0.94191

Bead 1532 (Rejected)

Date : Mon Oct 17 13:52:18 PDT 2022

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

Frame size : 12 pixels

Coordinates : -81.6 μm (x), 45.7 μm (y), 27.7 μm (z)

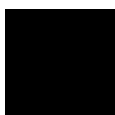
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.83 μm	2.84 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

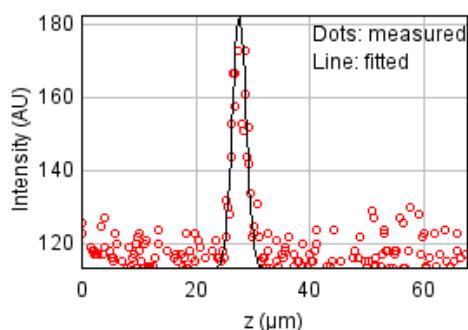
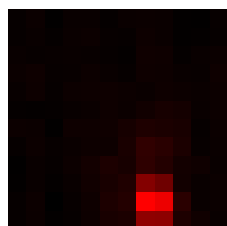
XY profile & fitting parameters :

(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: 13640.4457

Standard deviation: 6.66569

R²: 0.76239

Parameters:

a = 113.08384

b = 182.52487

c = 27.69779

d = 1.20220

Bead 1533 (Rejected)

Date : Mon Oct 17 13:52:18 PDT 2022

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

Frame size : 12 pixels

Coordinates : -160 μm (x), 34.5 μm (y), 29.4 μm (z)

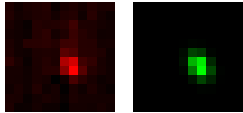
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	339 nm	353 nm	270 nm
max	483 nm	503 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.702		
Theta	-61.6°		

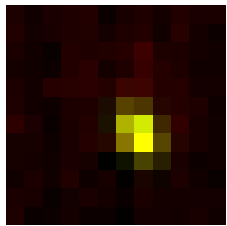
XY profile & fitting parameters :

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



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

$R^2 = 0.893$



Parameters:

$A = 237.636$ (brightness)

$B = 114.847$ (background)

$a = 1.033$ px

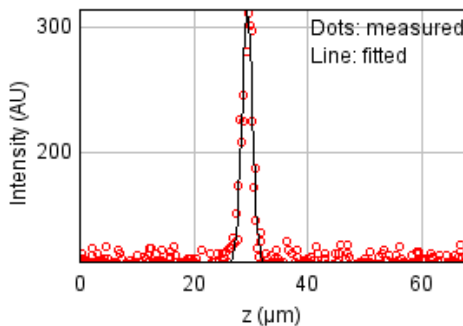
$b = -0.248$ px

$c = 0.709$ px

$xc = 6.743$ px

$yc = 6.469$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20284.6278

Standard deviation: 8.12857

$R^2: 0.93538$

Parameters:

$a = 110.79344$

$b = 315.02755$

$c = 29.42651$

$d = 0.91776$

Bead 1534

Date : Mon Oct 17 13:52:18 PDT 2022

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

Frame size : 12 pixels

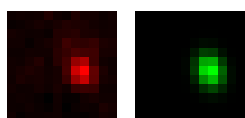
Coordinates : -98.6 μm (x), 34.7 μm (y), 29.3 μm (z)

Corresponding bead : Not found

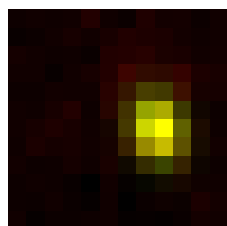
FWHM	Non corrected	Corrected	Theoretical
min	477 nm	497 nm	270 nm
max	634 nm	660 nm	270 nm
z	2.94 μm	2.95 μm	1.3 μm
Asymmetry	0.754		
Theta	-74.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 266.736 (brightness)

B = 119.919 (background)

a = 0.571 px

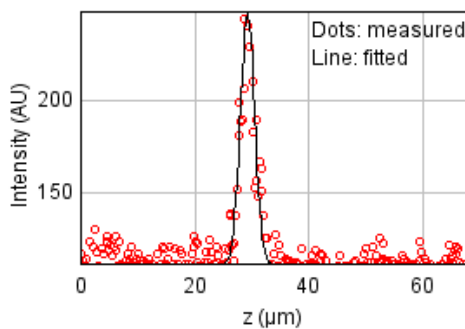
b = -0.065 px

c = 0.352 px

xc = 7.653 px

yc = 5.999 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23198.6047

Standard deviation: 8.69284

R^2 : 0.88043

Parameters:

a = 112.31563

b = 247.20971

c = 29.32203

d = 1.24648

Bead 1535 (Rejected)

Date : Mon Oct 17 13:52:18 PDT 2022

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

Frame size : 12 pixels

Coordinates : 51.5 μm (x), 32.6 μm (y), 27.0 μm (z)

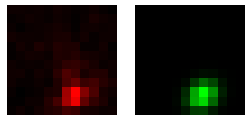
Corresponding bead : Not found

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

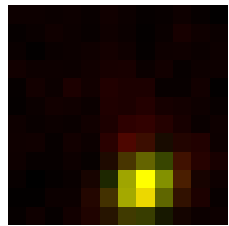
FWHM	Non corrected	Corrected	Theoretical
min	463 nm	483 nm	270 nm
max	560 nm	583 nm	270 nm
z	3.51 μm	3.52 μm	1.3 μm
Asymmetry	0.828		
Theta	37.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.902$



Parameters:

A = 299.254 (brightness)

B = 122.112 (background)

a = 0.502 px

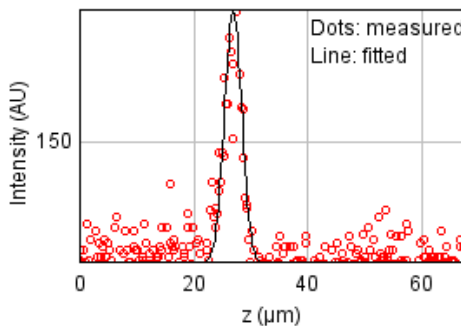
b = 0.095 px

c = 0.551 px

xc = 6.866 px

yc = 9.374 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15995.6462

Standard deviation: 7.21825

R^2 : 0.80596

Parameters:

a = 112.98083

b = 190.47633

c = 26.97455

d = 1.48919

Bead 1536

Date : Mon Oct 17 13:52:18 PDT 2022

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

Frame size : 12 pixels

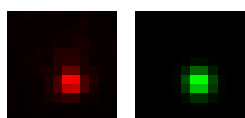
Coordinates : -29.2 μm (x), 11.0 μm (y), 30.5 μm (z)

Corresponding bead : Not found

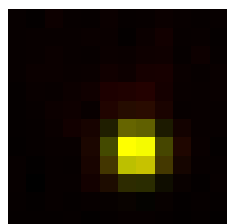
FWHM	Non corrected	Corrected	Theoretical
min	459 nm	478 nm	270 nm
max	472 nm	492 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.971		
Theta	-61.2°		

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:

$A = 901.991$ (brightness)

$B = 128.451$ (background)

$a = 0.629$ px

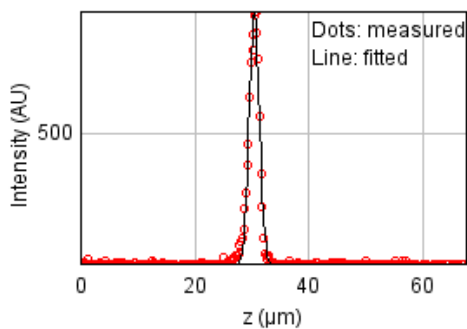
$b = -0.015$ px

$c = 0.610$ px

$x_c = 6.493$ px

$y_c = 7.275$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 53308.1208

Standard deviation: 13.17733

$R^2: 0.98625$

Parameters:

$a = 112.92747$

$b = 862.21728$

$c = 30.50930$

$d = 0.88639$

Bead 1537

Date : Mon Oct 17 13:52:19 PDT 2022

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

Frame size : 12 pixels

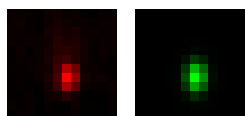
Coordinates : 94.9 μm (x), -13.7 μm (y), 30.0 μm (z)

Corresponding bead : Not found

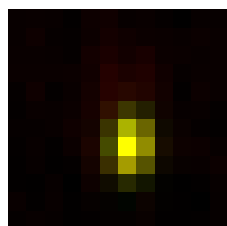
FWHM	Non corrected	Corrected	Theoretical
min	383 nm	399 nm	270 nm
max	563 nm	586 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.68		
Theta	88.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 508.289 (brightness)

B = 122.399 (background)

a = 0.915 px

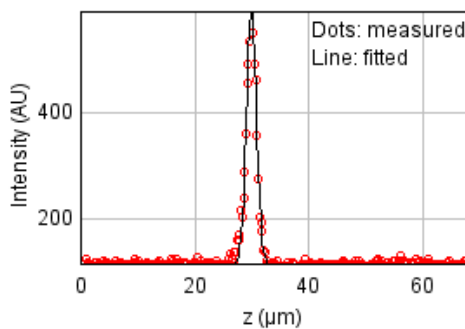
b = 0.012 px

c = 0.424 px

xc = 6.172 px

yc = 6.910 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22758.2165

Standard deviation: 8.60994

R^2 : 0.98567

Parameters:

a = 112.86534

b = 592.70095

c = 30.01046

d = 0.88465

Bead 1538

Date : Mon Oct 17 13:52:19 PDT 2022

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

Frame size : 12 pixels

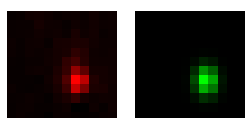
Coordinates : 95.3 μm (x), -18.8 μm (y), 30.1 μm (z)

Corresponding bead : Not found

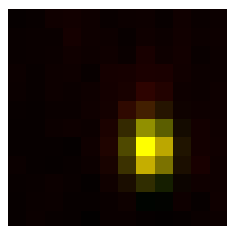
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	530 nm	552 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.756		
Theta	-89.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 528.717$ (brightness)

$B = 121.563$ (background)

$a = 0.836$ px

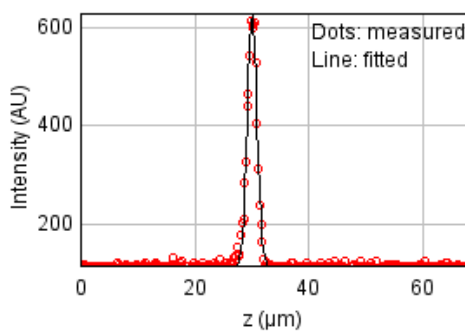
$b = -0.003$ px

$c = 0.478$ px

$x_c = 7.248$ px

$y_c = 7.099$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22045.6002

Standard deviation: 8.47406

$R^2: 0.98758$

Parameters:

$a = 112.62145$

$b = 629.81963$

$c = 30.13410$

$d = 0.85113$

Bead 1539

Date : Mon Oct 17 13:52:19 PDT 2022

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

Frame size : 12 pixels

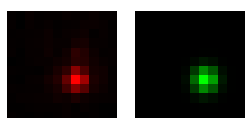
Coordinates : -87.1 μm (x), -57.1 μm (y), 30.3 μm (z)

Corresponding bead : Not found

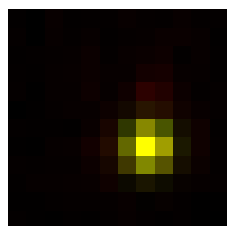
FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	461 nm	480 nm	270 nm
z	2.05 μm	2.05 μm	1.3 μm
Asymmetry	0.954		
Theta	84.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 755.674$ (brightness)

$B = 126.342$ (background)

$a = 0.693$ px

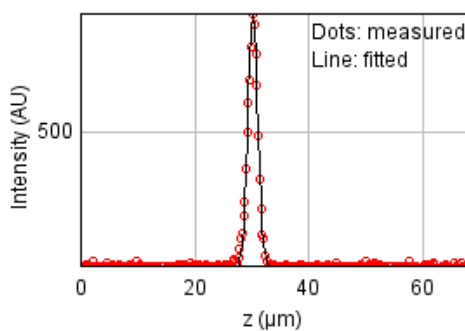
$b = 0.006$ px

$c = 0.631$ px

$x_c = 7.152$ px

$y_c = 6.997$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28335.8965

Standard deviation: 9.60725

$R^2: 0.99214$

Parameters:

$a = 113.16321$

$b = 844.56552$

$c = 30.26219$

$d = 0.86888$

Bead 1540

Date : Mon Oct 17 13:52:19 PDT 2022

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

Frame size : 12 pixels

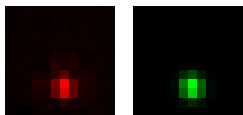
Coordinates : -81.2 μm (x), -58.9 μm (y), 25.7 μm (z)

Corresponding bead : Not found

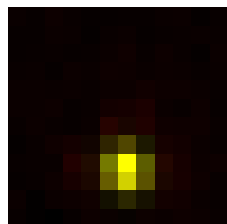
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	428 nm	445 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.911		
Theta	-74.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 614.231 (brightness)

B = 122.440 (background)

a = 0.873 px

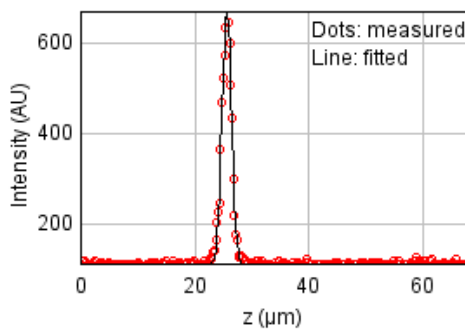
b = -0.039 px

c = 0.745 px

xc = 5.938 px

yc = 8.362 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18768.3586

Standard deviation: 7.81887

R^2 : 0.99050

Parameters:

a = 113.23059

b = 667.90679

c = 25.69920

d = 0.82533

Bead 1541 (Rejected)

Date : Mon Oct 17 13:52:19 PDT 2022

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

Frame size : 12 pixels

Coordinates : -157 μm (x), -73.8 μm (y), 27.4 μm (z)

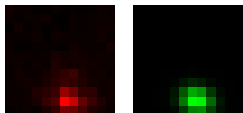
Corresponding bead : Not found

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

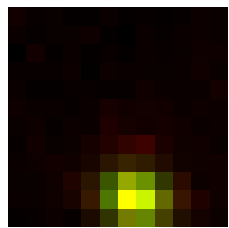
FWHM	Non corrected	Corrected	Theoretical
min	476 nm	496 nm	270 nm
max	588 nm	612 nm	270 nm
z	2.72 μm	2.73 μm	1.3 μm
Asymmetry	0.81		
Theta	-16.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 311.559 (brightness)

B = 122.455 (background)

a = 0.405 px

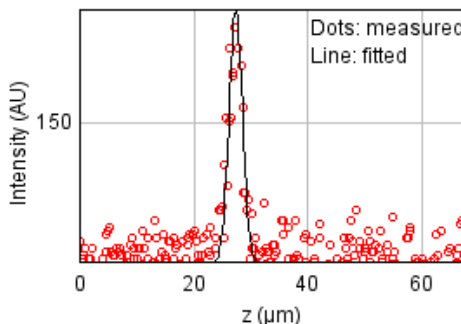
b = -0.056 px

c = 0.575 px

xc = 6.438 px

yc = 9.911 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14774.2647

Standard deviation: 6.93719

R^2 : 0.76086

Parameters:

a = 109.71682

b = 183.02193

c = 27.43956

d = 1.15565

Bead 1542

Date : Mon Oct 17 13:52:19 PDT 2022

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

Frame size : 12 pixels

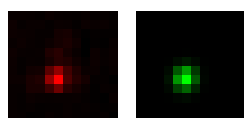
Coordinates : -51.5 μm (x), -90.5 μm (y), 24.1 μm (z)

Corresponding bead : Not found

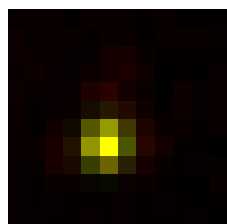
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	436 nm	454 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.929		
Theta	75.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 544.927 (brightness)

B = 121.348 (background)

a = 0.812 px

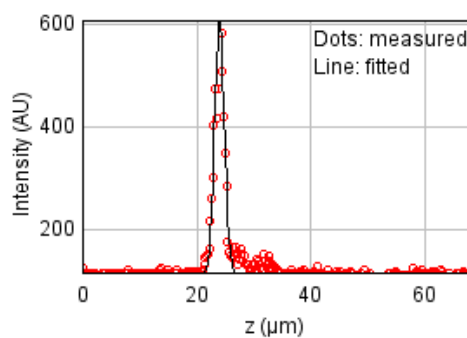
b = 0.028 px

c = 0.714 px

xc = 4.836 px

yc = 6.852 px

Z profile & fitting parameters:



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

Sum of residuals squared: 75303.6939

Standard deviation: 15.66170

R^2 : 0.95502

Parameters:

a = 115.82634

b = 611.36730

c = 24.07250

d = 0.84563

Bead 1543 (Rejected)

Date : Mon Oct 17 13:52:20 PDT 2022

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

Frame size : 12 pixels

Coordinates : 160 μm (x), 51.4 μm (y), 29.0 μm (z)

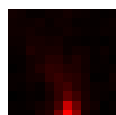
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.35 μm	3.36 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

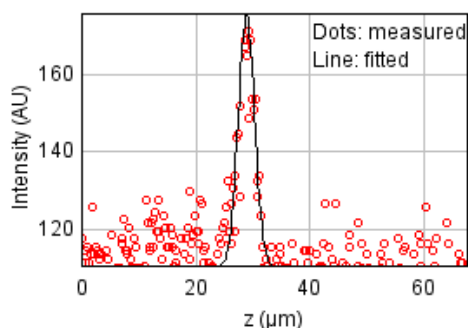
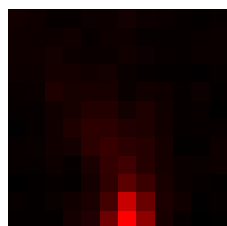
XY profile & fitting parameters :

(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: 18311.6148

Standard deviation: 7.72314

R²: 0.70754

Parameters:

a = 110.84058

b = 175.48078

c = 28.95983

d = 1.42174

Bead 1544

Date : Mon Oct 17 13:52:20 PDT 2022

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

Frame size : 12 pixels

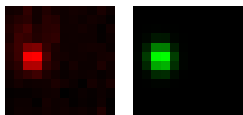
Coordinates : 74.5 μm (x), 43.6 μm (y), 6.62 μm (z)

Corresponding bead : Not found

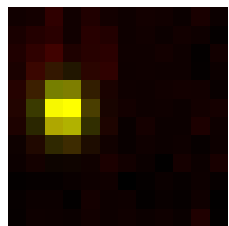
FWHM	Non corrected	Corrected	Theoretical
min	431 nm	449 nm	270 nm
max	504 nm	525 nm	270 nm
z	2.52 μm	2.53 μm	1.3 μm
Asymmetry	0.855		
Theta	-84.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 258.514 (brightness)

B = 119.349 (background)

a = 0.720 px

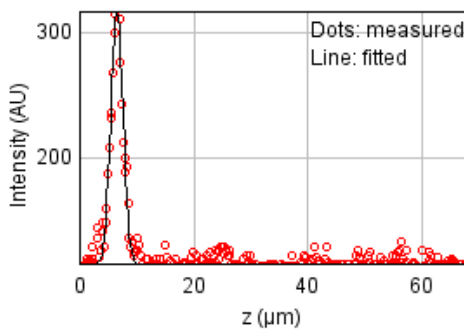
b = -0.019 px

c = 0.530 px

xc = 2.525 px

yc = 5.148 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17904.0902

Standard deviation: 7.63672

R^2 : 0.94965

Parameters:

a = 113.71398

b = 317.44872

c = 6.61804

d = 1.06970

Bead 1545 (Rejected)

Date : Mon Oct 17 13:52:20 PDT 2022

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

Frame size : 12 pixels

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

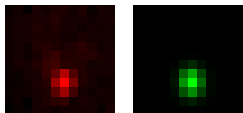
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

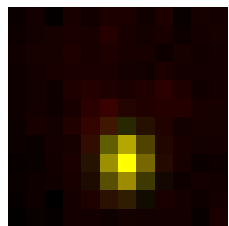
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	444 nm	270 nm
max	512 nm	533 nm	270 nm
z	1.7 um	1.7 um	1.3 um
Asymmetry	0.834		
Theta	-89.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 279.080 (brightness)

B = 118.042 (background)

a = 0.737 px

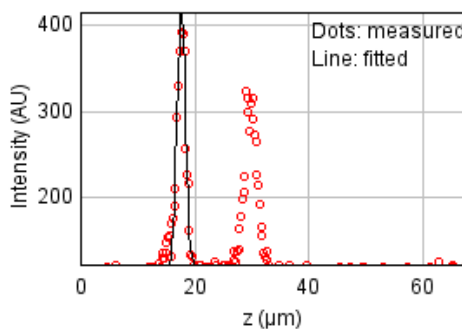
b = -0.001 px

c = 0.513 px

xc = 5.883 px

yc = 7.916 px

Z profile & fitting parameters:



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

Sum of residuals squared: 384481.036

Standard deviation: 35.38900

R^2 : 0.55830

Parameters:

a = 122.09605

b = 417.16310

c = 17.71637

d = 0.71995

Bead 1546 (Rejected)

Date : Mon Oct 17 13:52:20 PDT 2022

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

Frame size : 12 pixels

Coordinates : 103 μm (x), 39.1 μm (y), 27.9 μm (z)

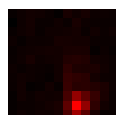
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.22 μm	3.24 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

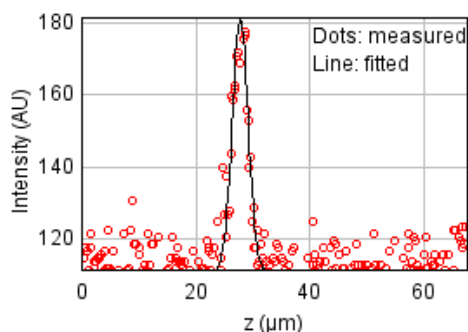
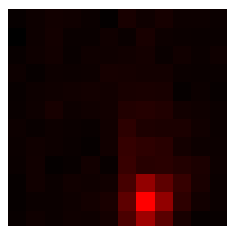
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 11650.3200

Standard deviation: 6.16027

R²: 0.81210

Parameters:

a = 111.46208

b = 181.59244

c = 27.86579

d = 1.36873

Bead 1547

Date : Mon Oct 17 13:52:20 PDT 2022

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

Frame size : 12 pixels

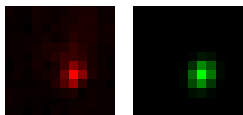
Coordinates : 66.2 μm (x), 19.3 μm (y), 29.9 μm (z)

Corresponding bead : Not found

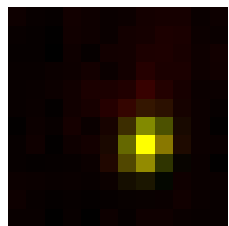
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	489 nm	509 nm	270 nm
z	2.24 μm	2.25 μm	1.3 μm
Asymmetry	0.802		
Theta	66.5°		

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 = 343.280 (brightness)

B = 119.718 (background)

a = 0.824 px

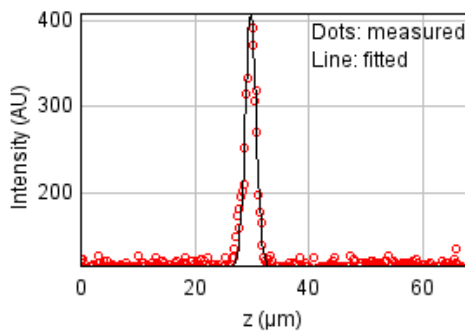
b = 0.114 px

c = 0.611 px

xc = 7.044 px

yc = 6.993 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25284.1114

Standard deviation: 9.07517

R^2 : 0.96167

Parameters:

a = 113.68286

b = 408.61946

c = 29.88372

d = 0.95276

Bead 1548

Date : Mon Oct 17 13:52:20 PDT 2022

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

Frame size : 12 pixels

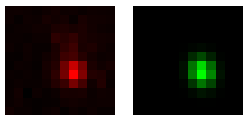
Coordinates : 61.4 μm (x), -6.64 μm (y), 30.0 μm (z)

Corresponding bead : Not found

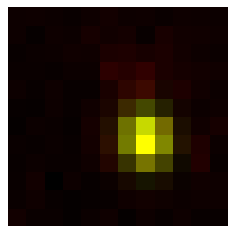
FWHM	Non corrected	Corrected	Theoretical
min	441 nm	460 nm	270 nm
max	536 nm	558 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.823		
Theta	-79.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 348.383$ (brightness)

$B = 120.589$ (background)

$a = 0.681$ px

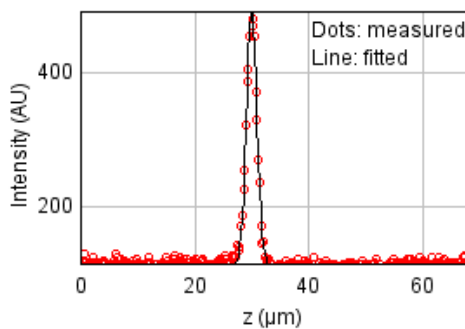
$b = -0.041$ px

$c = 0.475$ px

$x_c = 7.014$ px

$y_c = 6.669$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 14849.5693

Standard deviation: 6.95485

$R^2: 0.98553$

Parameters:

$a = 114.12919$

$b = 493.88793$

$c = 30.04793$

$d = 0.91387$

Bead 1549

Date : Mon Oct 17 13:52:20 PDT 2022

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

Frame size : 12 pixels

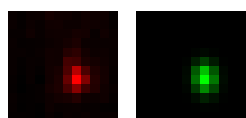
Coordinates : 92.0 μm (x), -8.87 μm (y), 30.3 μm (z)

Corresponding bead : Not found

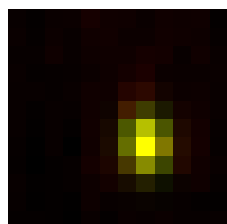
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	550 nm	573 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.742		
Theta	-85.0°		

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 = 534.893 (brightness)

B = 121.394 (background)

a = 0.803 px

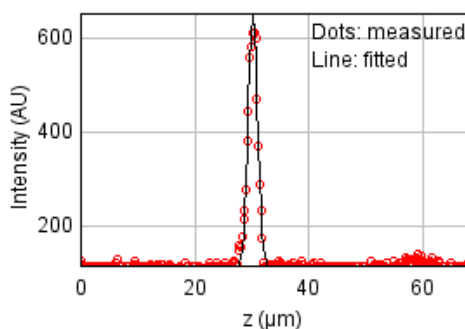
b = -0.031 px

c = 0.447 px

xc = 7.019 px

yc = 6.818 px

Z profile & fitting parameters:



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

Sum of residuals squared: 27436.4808

Standard deviation: 9.45355

R^2 : 0.98539

Parameters:

a = 114.50975

b = 653.78545

c = 30.26234

d = 0.82514

Bead 1550

Date : Mon Oct 17 13:52:21 PDT 2022

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

Frame size : 12 pixels

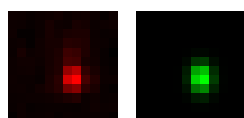
Coordinates : 23.9 μm (x), -11.1 μm (y), 30.1 μm (z)

Corresponding bead : Not found

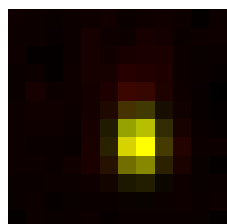
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	543 nm	566 nm	270 nm
z	2.0 μm	2.0 μm	1.3 μm
Asymmetry	0.74		
Theta	-88.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 581.624 (brightness)

B = 123.691 (background)

a = 0.830 px

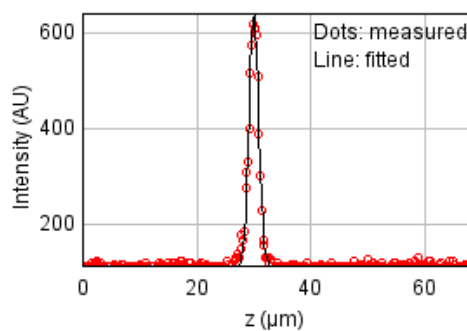
b = -0.011 px

c = 0.455 px

xc = 6.612 px

yc = 6.801 px

Z profile & fitting parameters:



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

Sum of residuals squared: 26515.9664

Standard deviation: 9.29361

R^2 : 0.98551

Parameters:

a = 113.56391

b = 639.27735

c = 30.08732

d = 0.84782

Bead 1551

Date : Mon Oct 17 13:52:21 PDT 2022

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

Frame size : 12 pixels

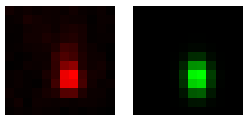
Coordinates : 136 μm (x), -12.5 μm (y), 30.6 μm (z)

Corresponding bead : Not found

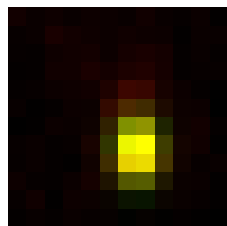
FWHM	Non corrected	Corrected	Theoretical
min	426 nm	444 nm	270 nm
max	620 nm	646 nm	270 nm
z	1.81 μm	1.82 μm	1.3 μm
Asymmetry	0.687		
Theta	-89.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 513.357 (brightness)

B = 121.238 (background)

a = 0.738 px

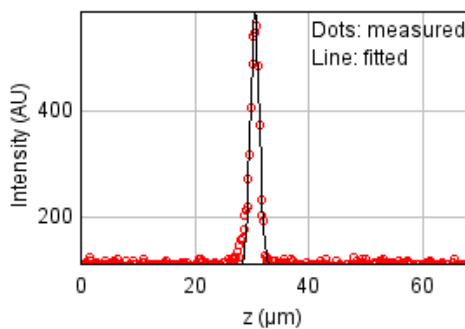
b = -0.007 px

c = 0.349 px

xc = 6.529 px

yc = 7.271 px

Z profile & fitting parameters:



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

Sum of residuals squared: 39681.6412

Standard deviation: 11.36909

R^2 : 0.97099

Parameters:

a = 113.19305

b = 585.38886

c = 30.62349

d = 0.77035

Bead 1552 (Rejected)

Date : Mon Oct 17 13:52:21 PDT 2022

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

Frame size : 12 pixels

Coordinates : 77.0 μm (x), -21.6 μm (y), 27.1 μm (z)

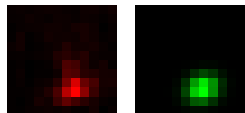
Corresponding bead : Not found

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

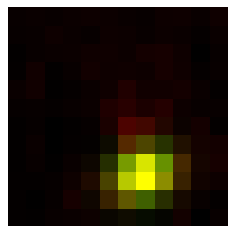
FWHM	Non corrected	Corrected	Theoretical
min	481 nm	501 nm	270 nm
max	588 nm	613 nm	270 nm
z	3.2 μm	3.21 μm	1.3 μm
Asymmetry	0.818		
Theta	24.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 346.218 (brightness)

B = 120.986 (background)

a = 0.421 px

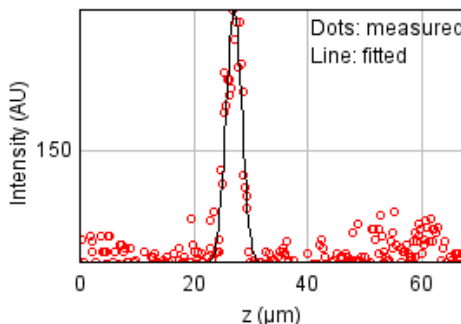
b = 0.073 px

c = 0.546 px

xc = 6.854 px

yc = 8.618 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13435.0412

Standard deviation: 6.61531

R^2 : 0.84189

Parameters:

a = 112.98735

b = 196.83739

c = 27.11736

d = 1.35958

Bead 1553

Date : Mon Oct 17 13:52:21 PDT 2022

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

Frame size : 12 pixels

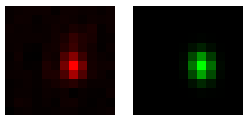
Coordinates : -114 μm (x), -28.7 μm (y), 30.0 μm (z)

Corresponding bead : Not found

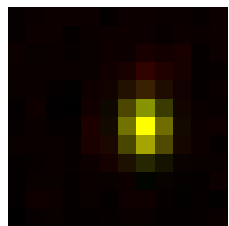
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	523 nm	545 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.766		
Theta	-85.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 389.206 (brightness)

B = 119.250 (background)

a = 0.833 px

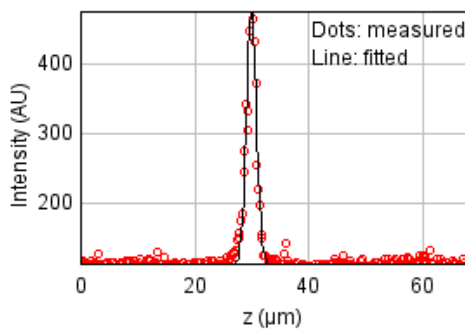
b = -0.029 px

c = 0.493 px

xc = 6.985 px

yc = 6.052 px

Z profile & fitting parameters:



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

Sum of residuals squared: 39925.0728

Standard deviation: 11.40391

R^2 : 0.95737

Parameters:

a = 113.16142

b = 477.40193

c = 30.00670

d = 0.87933

Bead 1554 (Rejected)

Date : Mon Oct 17 13:52:21 PDT 2022

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

Frame size : 12 pixels

Coordinates : 519 nm (x), -68.0 μm (y), 23.1 μm (z)

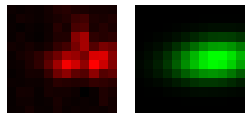
Corresponding bead : Not found

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

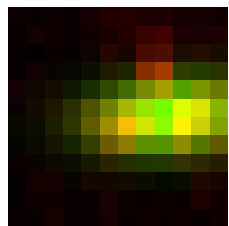
FWHM	Non corrected	Corrected	Theoretical
min	734 nm	764 nm	270 nm
max	1.56 μm	1.63 μm	270 nm
z	4.45 μm	4.47 μm	1.3 μm
Asymmetry	0.469		
Theta	4.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.847$



Parameters:

A = 195.865 (brightness)

B = 116.668 (background)

a = 0.056 px

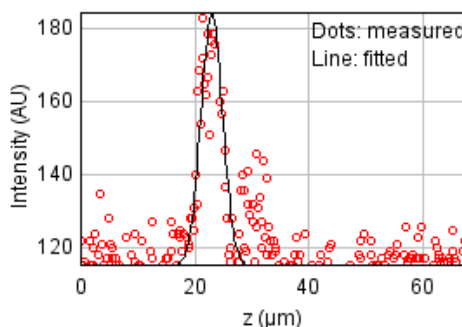
b = 0.015 px

c = 0.248 px

xc = 8.358 px

yc = 5.444 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21665.2140

Standard deviation: 8.40064

R^2 : 0.75307

Parameters:

a = 115.00349

b = 184.37476

c = 23.06813

d = 1.89135

Bead 1555 (Rejected)

Date : Mon Oct 17 13:52:21 PDT 2022

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

Frame size : 12 pixels

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

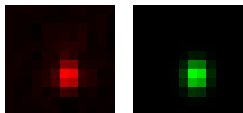
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

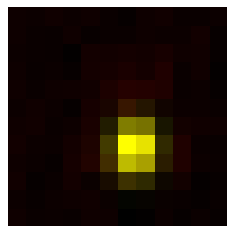
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	512 nm	534 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.802		
Theta	86.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 462.680 (brightness)

B = 118.136 (background)

a = 0.793 px

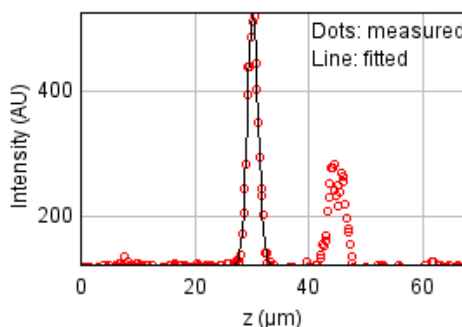
b = 0.018 px

c = 0.512 px

xc = 6.418 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 1556

Date : Mon Oct 17 13:52:22 PDT 2022

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

Frame size : 12 pixels

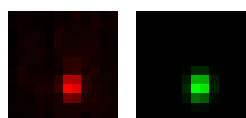
Coordinates : -135 μm (x), -94.0 μm (y), 25.6 μm (z)

Corresponding bead : Not found

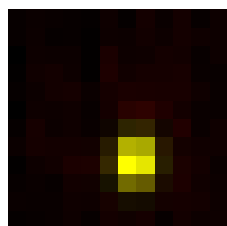
FWHM	Non corrected	Corrected	Theoretical
min	372 nm	387 nm	270 nm
max	468 nm	487 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.794		
Theta	85.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 450.203$ (brightness)

$B = 117.884$ (background)

$a = 0.970$ px

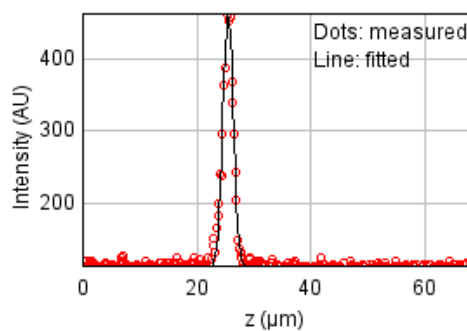
$b = 0.028$ px

$c = 0.615$ px

$x_c = 6.453$ px

$y_c = 7.776$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17301.0586

Standard deviation: 7.50701

$R^2: 0.98027$

Parameters:

$a = 111.44026$

$b = 464.08346$

$c = 25.57586$

$d = 0.90056$

Bead 1557

Date : Mon Oct 17 13:52:22 PDT 2022

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

Frame size : 12 pixels

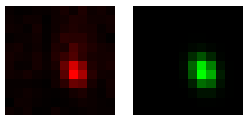
Coordinates : -97.4 μm (x), 91.7 μm (y), 29.7 μm (z)

Corresponding bead : Not found

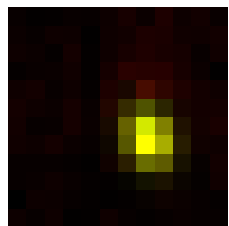
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	556 nm	579 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.752		
Theta	-70.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 307.090$ (brightness)

$B = 118.233$ (background)

$a = 0.731$ px

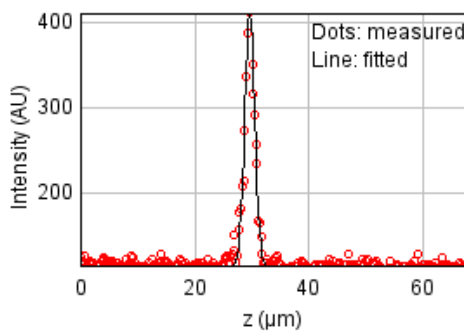
$b = -0.105$ px

$c = 0.471$ px

$x_c = 7.182$ px

$y_c = 6.636$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17104.0955

Standard deviation: 7.46416

$R^2: 0.97211$

Parameters:

$a = 113.70094$

$b = 409.34604$

$c = 29.70652$

$d = 0.88767$

Bead 1558 (Rejected)

Date : Mon Oct 17 13:52:22 PDT 2022

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

Frame size : 12 pixels

Coordinates : -11.0 μm (x), 65.9 μm (y), 26.6 μm (z)

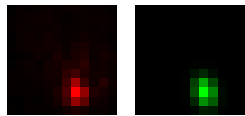
Corresponding bead : Not found

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

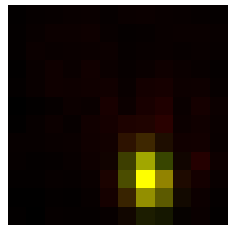
FWHM	Non corrected	Corrected	Theoretical
min	375 nm	391 nm	270 nm
max	529 nm	551 nm	270 nm
z	3.46 μm	3.47 μm	1.3 μm
Asymmetry	0.709		
Theta	-77.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 634.791 (brightness)

B = 127.579 (background)

a = 0.930 px

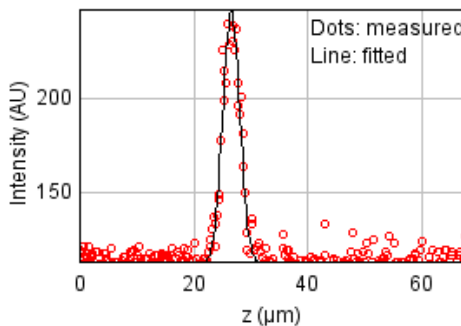
b = -0.104 px

c = 0.504 px

xc = 7.137 px

yc = 8.952 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14143.9482

Standard deviation: 6.78760

R^2 : 0.93317

Parameters:

a = 112.78349

b = 247.21360

c = 26.64964

d = 1.46944

Bead 1559

Date : Mon Oct 17 13:52:22 PDT 2022

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

Frame size : 12 pixels

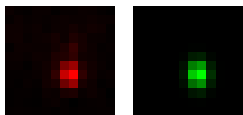
Coordinates : -55.3 μm (x), 56.4 μm (y), 30.9 μm (z)

Corresponding bead : Not found

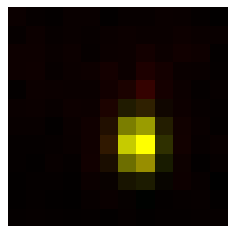
FWHM	Non corrected	Corrected	Theoretical
min	376 nm	391 nm	270 nm
max	498 nm	518 nm	270 nm
z	2.04 μm	2.04 μm	1.3 μm
Asymmetry	0.754		
Theta	-88.7°		

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:

$A = 661.567$ (brightness)

$B = 125.856$ (background)

$a = 0.951$ px

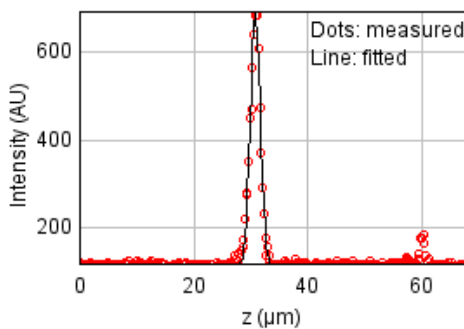
$b = -0.010$ px

$c = 0.542$ px

$x_c = 6.621$ px

$y_c = 6.947$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 46005.1428

Standard deviation: 12.24148

$R^2: 0.97985$

Parameters:

$a = 114.97432$

$b = 695.11028$

$c = 30.86009$

$d = 0.86429$

Bead 1560

Date : Mon Oct 17 13:52:22 PDT 2022

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

Frame size : 12 pixels

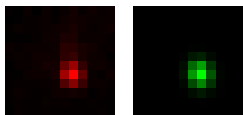
Coordinates : -89.1 μm (x), 51.8 μm (y), 30.5 μm (z)

Corresponding bead : Not found

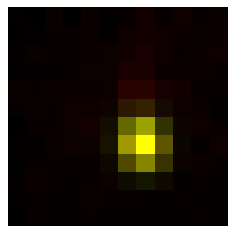
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	495 nm	515 nm	270 nm
z	2.2 μm	2.21 μm	1.3 μm
Asymmetry	0.819		
Theta	-80.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 630.428$ (brightness)

$B = 124.953$ (background)

$a = 0.810$ px

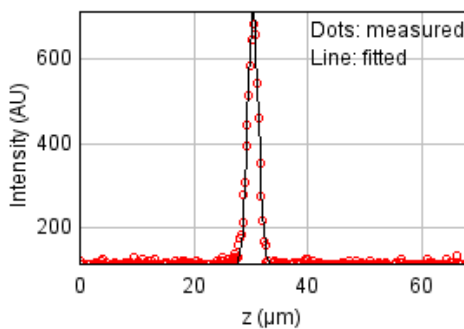
$b = -0.042$ px

$c = 0.555$ px

$x_c = 6.817$ px

$y_c = 6.900$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29894.5706

Standard deviation: 9.86795

$R^2: 0.98871$

Parameters:

$a = 112.41119$

$b = 716.65958$

$c = 30.46756$

$d = 0.93575$

Bead 1561

Date : Mon Oct 17 13:52:22 PDT 2022

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

Frame size : 12 pixels

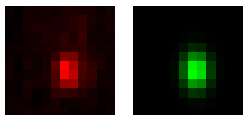
Coordinates : 81.0 um (x), 46.0 um (y), 30.0 um (z)

Corresponding bead : Not found

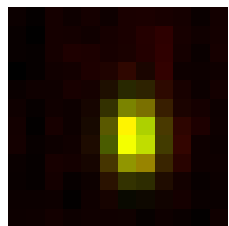
FWHM	Non corrected	Corrected	Theoretical
min	479 nm	499 nm	270 nm
max	686 nm	714 nm	270 nm
z	2.78 um	2.8 um	1.3 um
Asymmetry	0.699		
Theta	-88.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 215.542 (brightness)

B = 115.074 (background)

a = 0.584 px

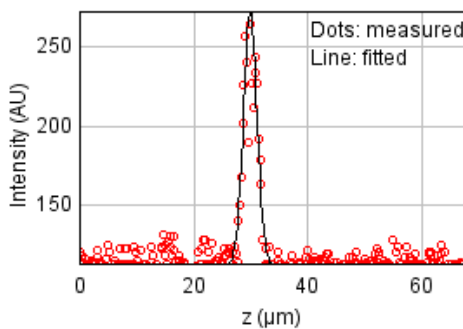
b = -0.006 px

c = 0.286 px

xc = 6.376 px

yc = 6.580 px

Z profile & fitting parameters:



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

Sum of residuals squared: 35190.0060

Standard deviation: 10.70633

R^2 : 0.86602

Parameters:

a = 113.02137

b = 272.54571

c = 29.96597

d = 1.18257

Bead 1562

Date : Mon Oct 17 13:52:23 PDT 2022

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

Frame size : 12 pixels

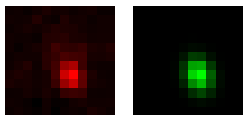
Coordinates : -98.6 μm (x), 34.6 μm (y), 29.3 μm (z)

Corresponding bead : Not found

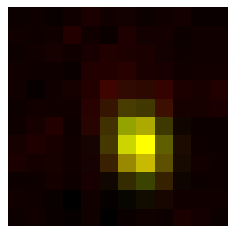
FWHM	Non corrected	Corrected	Theoretical
min	475 nm	494 nm	270 nm
max	630 nm	656 nm	270 nm
z	2.94 μm	2.95 μm	1.3 μm
Asymmetry	0.754		
Theta	-74.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 266.964 (brightness)

B = 120.598 (background)

a = 0.577 px

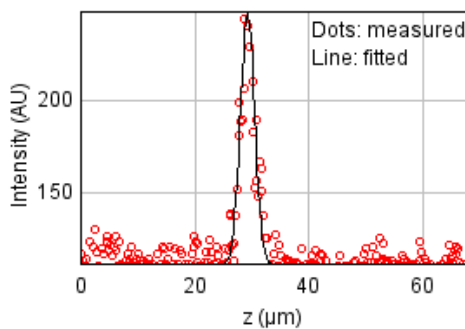
b = -0.066 px

c = 0.357 px

xc = 6.654 px

yc = 7.000 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23198.6047

Standard deviation: 8.69284

R^2 : 0.88043

Parameters:

a = 112.31563

b = 247.20971

c = 29.32203

d = 1.24648

Bead 1563

Date : Mon Oct 17 13:52:23 PDT 2022

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

Frame size : 12 pixels

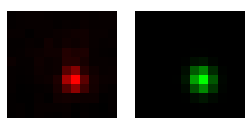
Coordinates : -24.5 μm (x), 20.3 μm (y), 30.8 μm (z)

Corresponding bead : Not found

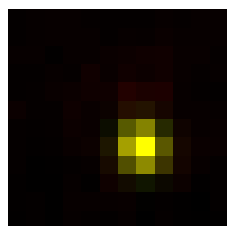
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	463 nm	482 nm	270 nm
z	1.86 μm	1.87 μm	1.3 μm
Asymmetry	0.894		
Theta	-72.3°		

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:

$A = 814.701$ (brightness)

$B = 124.901$ (background)

$a = 0.770$ px

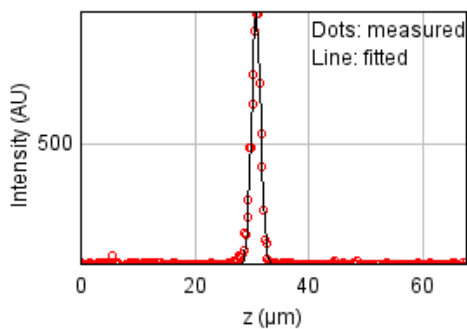
$b = -0.046$ px

$c = 0.641$ px

$x_c = 6.803$ px

$y_c = 7.005$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 54536.7460

Standard deviation: 13.32832

$R^2 = 0.98662$

Parameters:

$a = 114.95074$

$b = 926.53049$

$c = 30.82804$

$d = 0.79044$

Bead 1564

Date : Mon Oct 17 13:52:23 PDT 2022

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

Frame size : 12 pixels

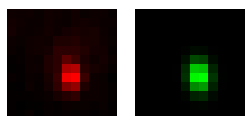
Coordinates : 85.5 μm (x), 19.7 μm (y), 30.8 μm (z)

Corresponding bead : Not found

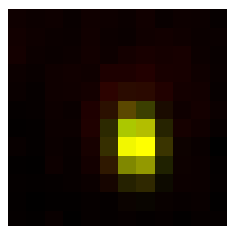
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	579 nm	603 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.699		
Theta	-84.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 657.119 (brightness)

B = 129.629 (background)

a = 0.815 px

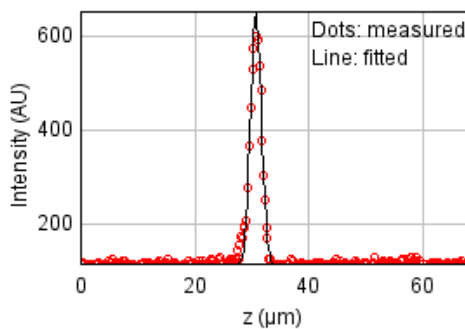
b = -0.041 px

c = 0.404 px

xc = 6.512 px

yc = 6.814 px

Z profile & fitting parameters:



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

Sum of residuals squared: 29945.9940

Standard deviation: 9.87643

R^2 : 0.98587

Parameters:

a = 113.10592

b = 651.42340

c = 30.79611

d = 0.94113

Bead 1565

Date : Mon Oct 17 13:52:23 PDT 2022

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

Frame size : 12 pixels

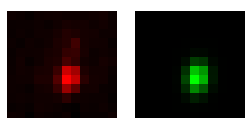
Coordinates : -49.9 μm (x), -13.5 μm (y), 30.2 μm (z)

Corresponding bead : Not found

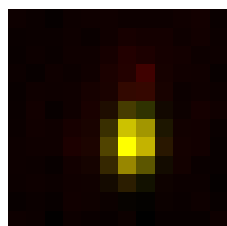
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	546 nm	569 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.728		
Theta	83.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 555.559 (brightness)

B = 123.402 (background)

a = 0.843 px

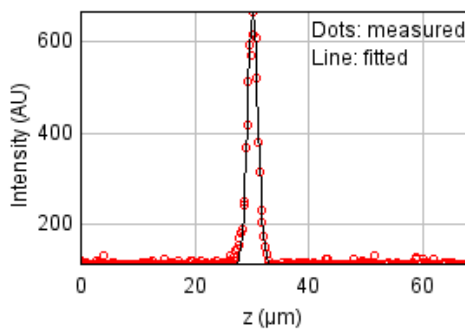
b = 0.048 px

c = 0.455 px

xc = 6.303 px

yc = 6.768 px

Z profile & fitting parameters:



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

Sum of residuals squared: 37669.6636

Standard deviation: 11.07712

R^2 : 0.98284

Parameters:

a = 113.59716

b = 668.35634

c = 30.23994

d = 0.91382

Bead 1566

Date : Mon Oct 17 13:52:23 PDT 2022

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

Frame size : 12 pixels

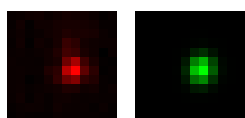
Coordinates : 51.6 μm (x), -27.4 μm (y), 30.5 μm (z)

Corresponding bead : Not found

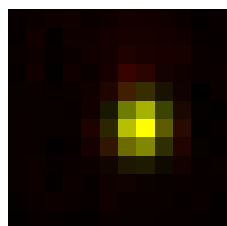
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	466 nm	270 nm
max	521 nm	543 nm	270 nm
z	1.9 μm	1.9 μm	1.3 μm
Asymmetry	0.858		
Theta	80.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 468.899 (brightness)

B = 123.363 (background)

a = 0.667 px

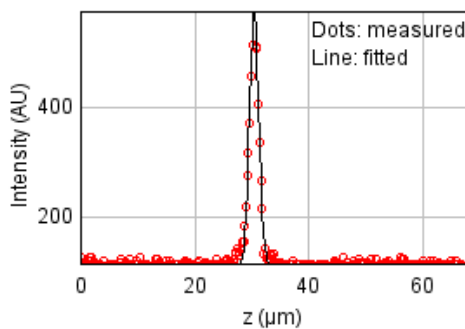
b = 0.029 px

c = 0.499 px

xc = 6.729 px

yc = 5.880 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23135.2726

Standard deviation: 8.68097

R^2 : 0.98301

Parameters:

a = 114.63552

b = 578.72281

c = 30.48610

d = 0.80531

Bead 1567

Date : Mon Oct 17 13:52:23 PDT 2022

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

Frame size : 12 pixels

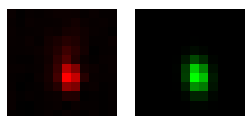
Coordinates : 50.7 μm (x), -30.4 μm (y), 30.5 μm (z)

Corresponding bead : Not found

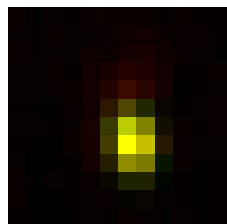
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	580 nm	604 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.676		
Theta	-80.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 708.468$ (brightness)

$B = 123.889$ (background)

$a = 0.862$ px

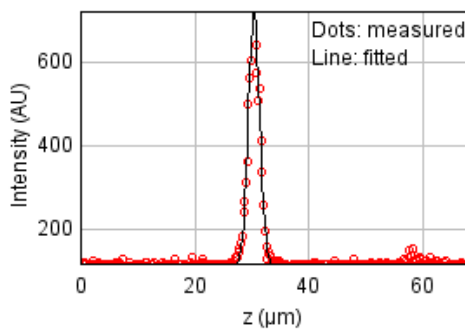
$b = -0.077$ px

$c = 0.412$ px

$x_c = 6.315$ 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: 38636.2960

Standard deviation: 11.21834

$R^2: 0.98641$

Parameters:

$a = 115.06712$

$b = 726.42096$

$c = 30.45241$

$d = 0.98173$

Bead 1568

Date : Mon Oct 17 13:52:23 PDT 2022

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

Frame size : 12 pixels

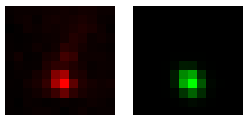
Coordinates : -71.1 μm (x), -64.5 μm (y), 30.4 μm (z)

Corresponding bead : Not found

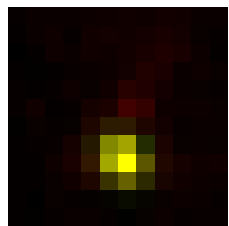
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	468 nm	487 nm	270 nm
z	2.24 μm	2.25 μm	1.3 μm
Asymmetry	0.851		
Theta	-50.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 403.616$ (brightness)

$B = 120.369$ (background)

$a = 0.753$ px

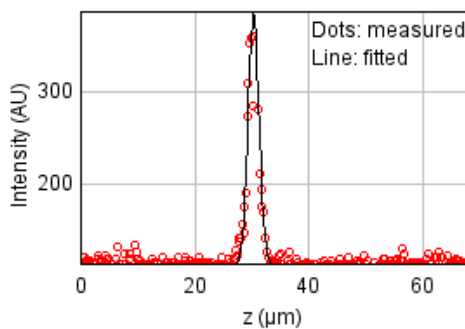
$b = -0.115$ px

$c = 0.706$ px

$x_c = 5.744$ px

$y_c = 7.772$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 33681.5682

Standard deviation: 10.47435

$R^2: 0.94146$

Parameters:

$a = 113.32178$

$b = 386.12955$

$c = 30.37672$

$d = 0.95064$

Bead 1569

Date : Mon Oct 17 13:52:24 PDT 2022

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

Frame size : 12 pixels

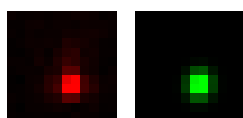
Coordinates : 44.8 μm (x), -77.4 μm (y), 30.6 μm (z)

Corresponding bead : Not found

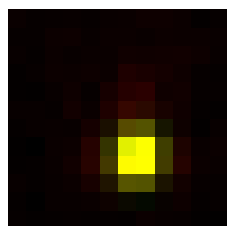
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	444 nm	270 nm
max	491 nm	511 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.87		
Theta	82.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 766.342 (brightness)

B = 128.672 (background)

a = 0.734 px

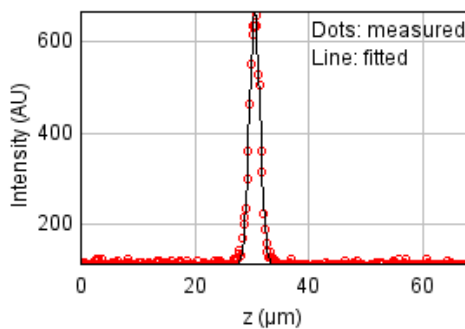
b = 0.023 px

c = 0.561 px

xc = 6.525 px

yc = 7.519 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21610.6164

Standard deviation: 8.39005

R^2 : 0.99005

Parameters:

a = 113.34287

b = 663.92204

c = 30.58572

d = 0.92511

Bead 1570 (Rejected)

Date : Mon Oct 17 13:52:24 PDT 2022

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

Frame size : 12 pixels

Coordinates : -51.4 μm (x), -90.4 μm (y), 25.2 μm (z)

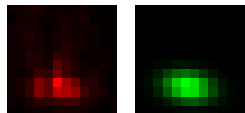
Corresponding bead : Not found

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

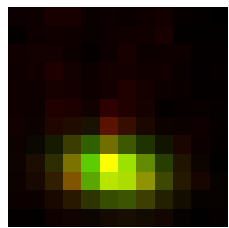
FWHM	Non corrected	Corrected	Theoretical
min	526 nm	547 nm	270 nm
max	890 nm	927 nm	270 nm
z	1.72 μm	1.73 μm	1.3 μm
Asymmetry	0.59		
Theta	-8.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 264.666 (brightness)

B = 120.228 (background)

a = 0.176 px

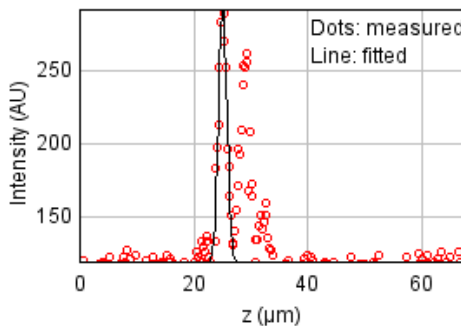
b = -0.047 px

c = 0.479 px

xc = 5.245 px

yc = 8.407 px

Z profile & fitting parameters:



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

Sum of residuals squared: 161338.249

Standard deviation: 22.92448

R^2 : 0.51548

Parameters:

a = 119.35585

b = 293.49359

c = 25.16549

d = 0.73051

Bead 1571

Date : Mon Oct 17 13:52:24 PDT 2022

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

Frame size : 12 pixels

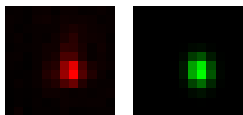
Coordinates : 60.2 μm (x), -93.3 μm (y), 30.7 μm (z)

Corresponding bead : Not found

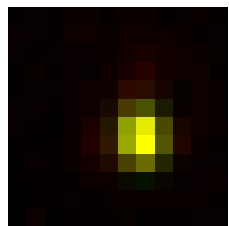
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	530 nm	551 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.788		
Theta	-85.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 701.711 (brightness)

B = 123.049 (background)

a = 0.768 px

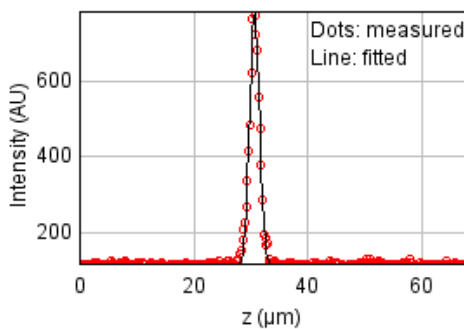
b = -0.023 px

c = 0.480 px

xc = 6.767 px

yc = 6.576 px

Z profile & fitting parameters:



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

Sum of residuals squared: 26443.1933

Standard deviation: 9.28085

R^2 : 0.99115

Parameters:

a = 115.05151

b = 788.39644

c = 30.72793

d = 0.84817

Bead 1572 (Rejected)

Date : Mon Oct 17 13:52:24 PDT 2022

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

Frame size : 12 pixels

Coordinates : 159 μm (x), 95.4 μm (y), 42.7 μm (z)

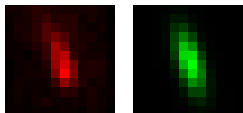
Corresponding bead : Not found

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

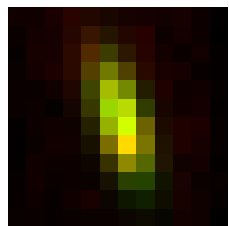
FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	1.14 μm	1.19 μm	270 nm
z	2.17 μm	2.18 μm	1.3 μm
Asymmetry	0.381		
Theta	-73.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 290.023 (brightness)

B = 116.477 (background)

a = 0.661 px

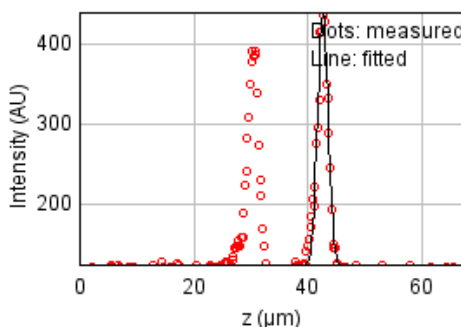
b = -0.169 px

c = 0.155 px

xc = 5.682 px

yc = 5.646 px

Z profile & fitting parameters:



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

Sum of residuals squared: 647371.999

Standard deviation: 45.92062

R^2 : 0.52128

Parameters:

a = 123.23095

b = 438.93961

c = 42.70569

d = 0.92237

Bead 1573

Date : Mon Oct 17 13:52:24 PDT 2022

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

Frame size : 12 pixels

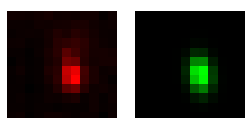
Coordinates : 83.5 μm (x), 87.8 μm (y), 30.7 μm (z)

Corresponding bead : Not found

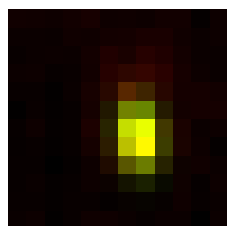
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	640 nm	666 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.625		
Theta	-83.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 530.753$ (brightness)

$B = 126.970$ (background)

$a = 0.831$ px

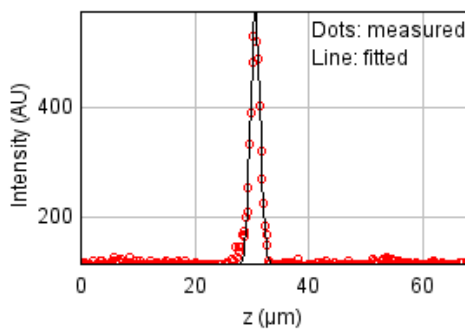
$b = -0.058$ px

$c = 0.334$ px

$x_c = 6.613$ px

$y_c = 6.396$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23461.9865

Standard deviation: 8.74205

$R^2: 0.98319$

Parameters:

$a = 113.98859$

$b = 577.30361$

$c = 30.69165$

$d = 0.82925$

Bead 1574

Date : Mon Oct 17 13:52:24 PDT 2022

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

Frame size : 12 pixels

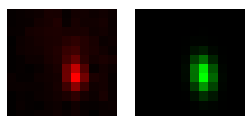
Coordinates : 88.4 μm (x), 78.1 μm (y), 30.4 μm (z)

Corresponding bead : Not found

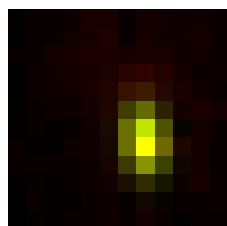
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	649 nm	676 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.602		
Theta	-84.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 392.707$ (brightness)

$B = 122.215$ (background)

$a = 0.874$ px

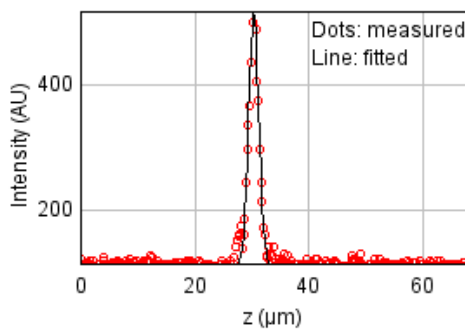
$b = -0.058$ px

$c = 0.325$ px

$x_c = 6.950$ px

$y_c = 6.651$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25097.6099

Standard deviation: 9.04164

$R^2: 0.97737$

Parameters:

$a = 115.10253$

$b = 515.34786$

$c = 30.41295$

$d = 0.88030$

Bead 1575

Date : Mon Oct 17 13:52:24 PDT 2022

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

Frame size : 12 pixels

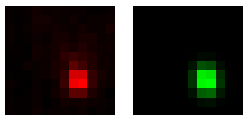
Coordinates : -9.57 μm (x), 71.9 μm (y), 31.0 μm (z)

Corresponding bead : Not found

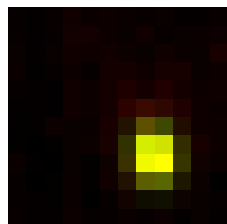
FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	514 nm	535 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.797		
Theta	-82.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 675.245$ (brightness)

$B = 125.694$ (background)

$a = 0.796$ px

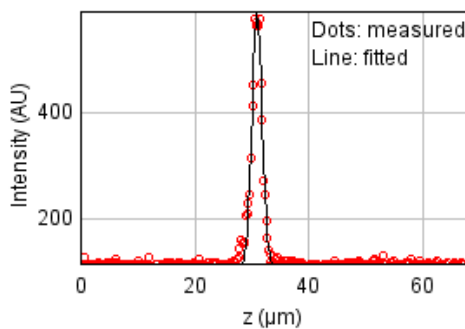
$b = -0.036$ px

$c = 0.513$ px

$x_c = 7.498$ px

$y_c = 7.582$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27735.4079

Standard deviation: 9.50491

$R^2: 0.98213$

Parameters:

$a = 114.40637$

$b = 592.74001$

$c = 30.98039$

$d = 0.86621$

Bead 1576

Date : Mon Oct 17 13:52:25 PDT 2022

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

Frame size : 12 pixels

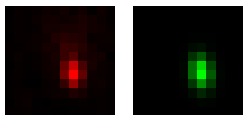
Coordinates : 121 μm (x), 58.3 μm (y), 30.7 μm (z)

Corresponding bead : Not found

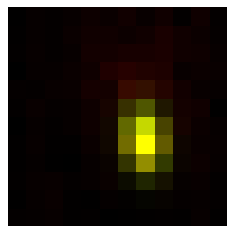
FWHM	Non corrected	Corrected	Theoretical
min	374 nm	389 nm	270 nm
max	603 nm	628 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.62		
Theta	-83.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 500.674$ (brightness)

$B = 122.994$ (background)

$a = 0.951$ px

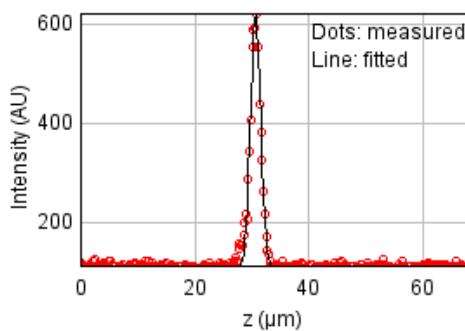
$b = -0.069$ px

$c = 0.377$ px

$x_c = 6.933$ px

$y_c = 6.709$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27534.9281

Standard deviation: 9.47050

$R^2: 0.98454$

Parameters:

$a = 113.16201$

$b = 621.20709$

$c = 30.73391$

$d = 0.88400$

Bead 1577 (Rejected)

Date : Mon Oct 17 13:52:25 PDT 2022

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

Frame size : 12 pixels

Coordinates : -164 μm (x), 53.9 μm (y), 29.6 μm (z)

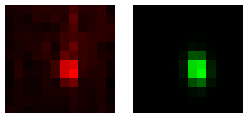
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

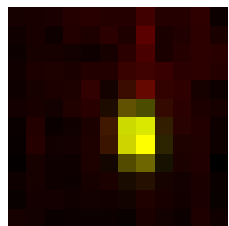
FWHM	Non corrected	Corrected	Theoretical
min	350 nm	364 nm	270 nm
max	517 nm	539 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.676		
Theta	-84.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 224.441 (brightness)

B = 119.347 (background)

a = 1.091 px

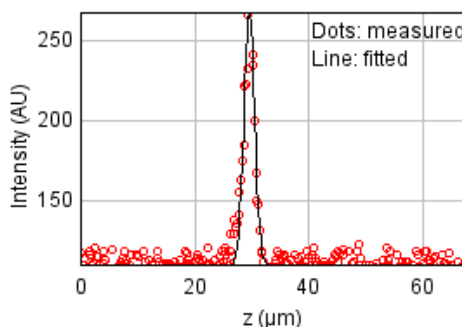
b = -0.062 px

c = 0.508 px

xc = 6.558 px

yc = 6.541 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14628.3657

Standard deviation: 6.90285

R^2 : 0.92535

Parameters:

a = 110.23600

b = 268.43433

c = 29.61921

d = 0.94610

Bead 1578 (Rejected)

Date : Mon Oct 17 13:52:25 PDT 2022

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

Frame size : 12 pixels

Coordinates : 130 μm (x), 47.6 μm (y), 28.3 μm (z)

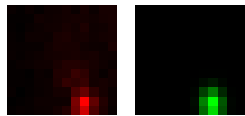
Corresponding bead : Not found

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

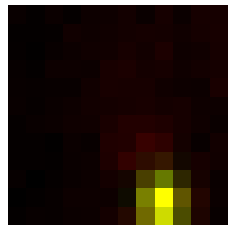
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	546 nm	569 nm	270 nm
z	3.45 μm	3.47 μm	1.3 μm
Asymmetry	0.709		
Theta	-87.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 402.235 (brightness)

B = 121.760 (background)

a = 0.895 px

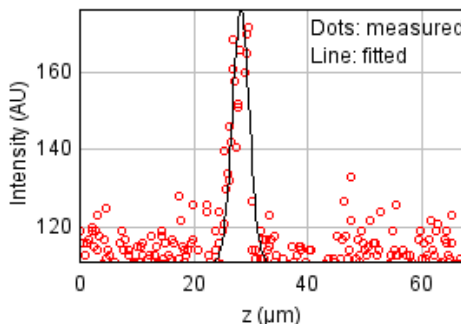
b = -0.020 px

c = 0.451 px

xc = 7.894 px

yc = 10.324 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18900.7497

Standard deviation: 7.84640

R^2 : 0.71231

Parameters:

a = 110.78025

b = 176.26437

c = 28.33369

d = 1.46719

Bead 1579

Date : Mon Oct 17 13:52:25 PDT 2022

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

Frame size : 12 pixels

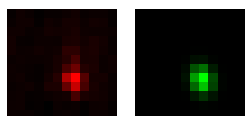
Coordinates : -138 μm (x), 48.0 μm (y), 30.9 μm (z)

Corresponding bead : Not found

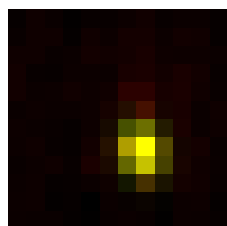
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	501 nm	522 nm	270 nm
z	1.89 μm	1.89 μm	1.3 μm
Asymmetry	0.778		
Theta	-76.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 441.342 (brightness)

B = 118.553 (background)

a = 0.862 px

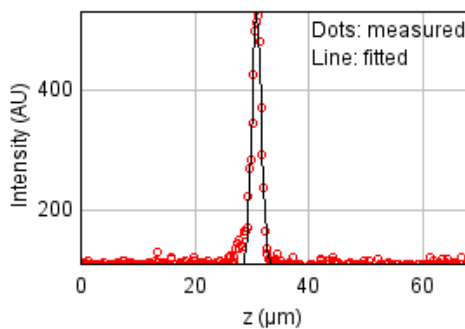
b = -0.081 px

c = 0.554 px

xc = 6.798 px

yc = 7.223 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28733.0023

Standard deviation: 9.67434

R^2 : 0.97432

Parameters:

a = 112.42834

b = 532.39277

c = 30.90919

d = 0.80065

Bead 1580

Date : Mon Oct 17 13:52:25 PDT 2022

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

Frame size : 12 pixels

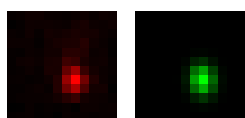
Coordinates : 8.77 μm (x), 46.7 μm (y), 30.7 μm (z)

Corresponding bead : Not found

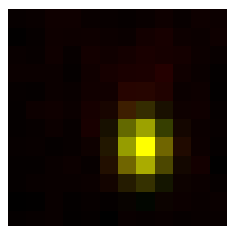
FWHM	Non corrected	Corrected	Theoretical
min	436 nm	454 nm	270 nm
max	563 nm	586 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.775		
Theta	-85.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 587.347$ (brightness)

$B = 128.595$ (background)

$a = 0.703$ px

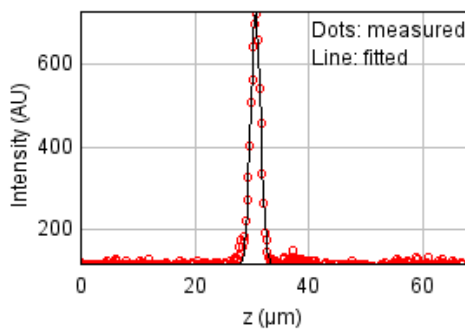
$b = -0.022$ px

$c = 0.425$ px

$x_c = 6.845$ px

$y_c = 7.026$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 34981.4680

Standard deviation: 10.67456

$R^2: 0.98610$

Parameters:

$a = 116.52049$

$b = 729.14904$

$c = 30.74127$

$d = 0.85968$

Bead 1581

Date : Mon Oct 17 13:52:25 PDT 2022

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

Frame size : 12 pixels

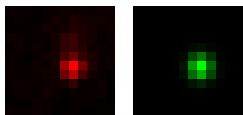
Coordinates : -134 μm (x), 7.77 μm (y), 30.9 μm (z)

Corresponding bead : Not found

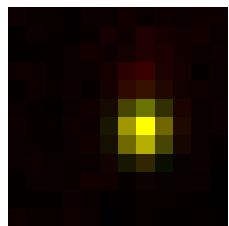
FWHM	Non corrected	Corrected	Theoretical
min	430 nm	448 nm	270 nm
max	479 nm	499 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.899		
Theta	87.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 364.256$ (brightness)

$B = 119.278$ (background)

$a = 0.724$ px

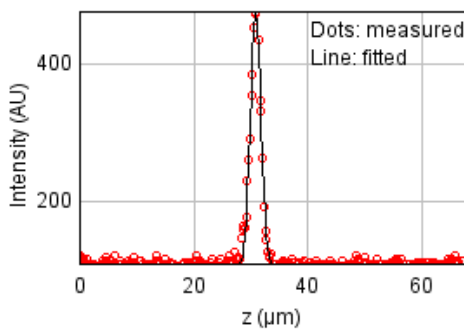
$b = 0.005$ px

$c = 0.586$ px

$x_c = 6.860$ px

$y_c = 6.174$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18423.6321

Standard deviation: 7.74673

$R^2: 0.98049$

Parameters:

$a = 111.06738$

$b = 476.12734$

$c = 30.92200$

$d = 0.90500$

Bead 1582

Date : Mon Oct 17 13:52:26 PDT 2022

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

Frame size : 12 pixels

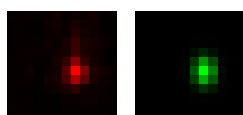
Coordinates : 16.5 μm (x), -14.2 μm (y), 30.9 μm (z)

Corresponding bead : Not found

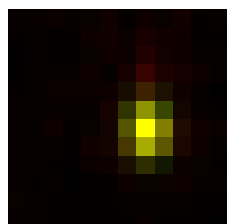
FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	534 nm	556 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.722		
Theta	-88.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 648.643 (brightness)

B = 123.556 (background)

a = 0.902 px

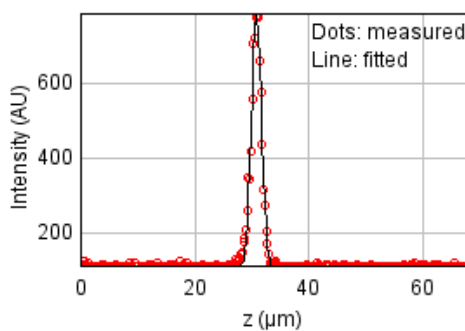
b = -0.014 px

c = 0.471 px

xc = 7.106 px

yc = 6.080 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31551.4175

Standard deviation: 10.13772

R^2 : 0.98977

Parameters:

a = 113.47929

b = 788.13321

c = 30.88480

d = 0.87193

Bead 1583

Date : Mon Oct 17 13:52:26 PDT 2022

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

Frame size : 12 pixels

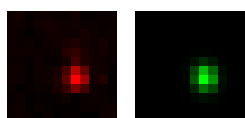
Coordinates : -126 μm (x), -24.7 μm (y), 30.0 μm (z)

Corresponding bead : Not found

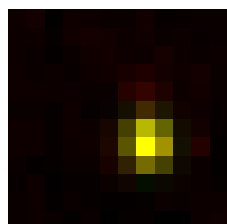
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	475 nm	495 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.842		
Theta	-84.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 349.800 (brightness)

B = 117.279 (background)

a = 0.836 px

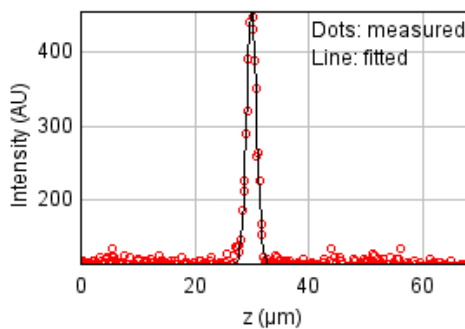
b = -0.025 px

c = 0.597 px

$x_c = 7.157$ px

$y_c = 6.778$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18023.4909

Standard deviation: 7.66214

$R^2 = 0.97796$

Parameters:

a = 112.42442

b = 457.23957

c = 30.03555

d = 0.87491

Bead 1584

Date : Mon Oct 17 13:52:26 PDT 2022

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

Frame size : 12 pixels

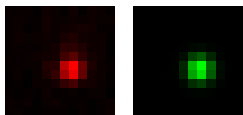
Coordinates : -76.0 μm (x), -29.9 μm (y), 31.1 μm (z)

Corresponding bead : Not found

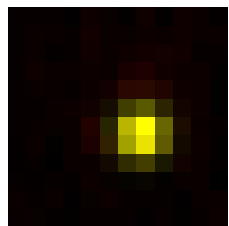
FWHM	Non corrected	Corrected	Theoretical
min	461 nm	481 nm	270 nm
max	477 nm	497 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.967		
Theta	82.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 602.026 (brightness)

B = 124.038 (background)

a = 0.630 px

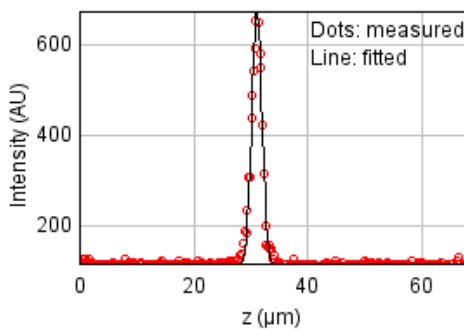
b = 0.005 px

c = 0.590 px

xc = 6.768 px

yc = 6.398 px

Z profile & fitting parameters:



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

Sum of residuals squared: 37017.0378

Standard deviation: 10.98074

R^2 : 0.98317

Parameters:

a = 113.55181

b = 678.19517

c = 31.12890

d = 0.88274

Bead 1585

Date : Mon Oct 17 13:52:26 PDT 2022

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

Frame size : 12 pixels

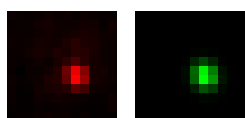
Coordinates : -83.4 μm (x), -30.6 μm (y), 30.4 μm (z)

Corresponding bead : Not found

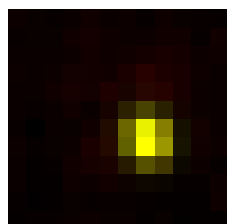
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	479 nm	499 nm	270 nm
z	2.29 μm	2.3 μm	1.3 μm
Asymmetry	0.875		
Theta	-70.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 543.693$ (brightness)

$B = 122.762$ (background)

$a = 0.743$ px

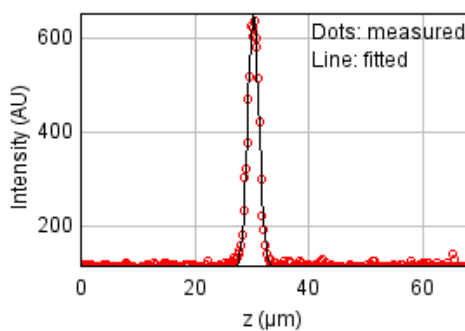
$b = -0.057$ px

$c = 0.605$ px

$x_c = 7.113$ px

$y_c = 6.562$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26499.2989

Standard deviation: 9.29069

$R^2: 0.98793$

Parameters:

$a = 113.43508$

$b = 653.20938$

$c = 30.36288$

$d = 0.97332$

Bead 1586

Date : Mon Oct 17 13:52:26 PDT 2022

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

Frame size : 12 pixels

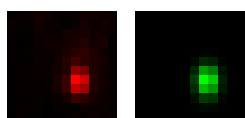
Coordinates : 123 μm (x), -41.5 μm (y), 30.8 μm (z)

Corresponding bead : Not found

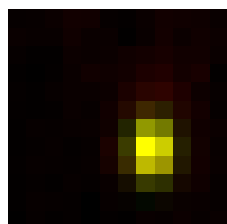
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	566 nm	590 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.706		
Theta	-89.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 624.917 (brightness)

B = 123.677 (background)

a = 0.839 px

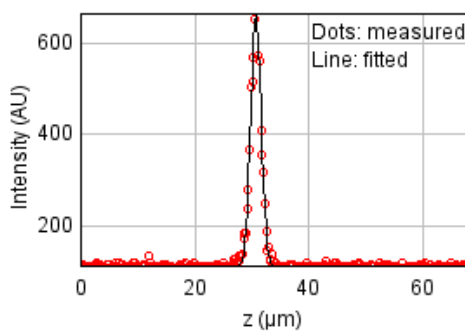
b = -0.002 px

c = 0.418 px

$x_c = 7.370$ px

$y_c = 7.117$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23147.3213

Standard deviation: 8.68323

R^2 : 0.98929

Parameters:

a = 110.93028

b = 665.46388

c = 30.79112

d = 0.90618

Bead 1587

Date : Mon Oct 17 13:52:27 PDT 2022

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

Frame size : 12 pixels

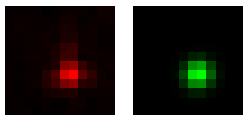
Coordinates : 30.9 μm (x), -70.3 μm (y), 31.2 μm (z)

Corresponding bead : Not found

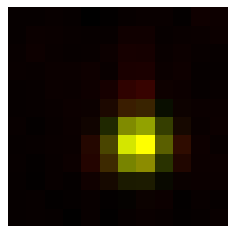
FWHM	Non corrected	Corrected	Theoretical
min	489 nm	509 nm	270 nm
max	509 nm	531 nm	270 nm
z	1.82 μm	1.82 μm	1.3 μm
Asymmetry	0.959		
Theta	57.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 580.711$ (brightness)

$B = 124.037$ (background)

$a = 0.549$ px

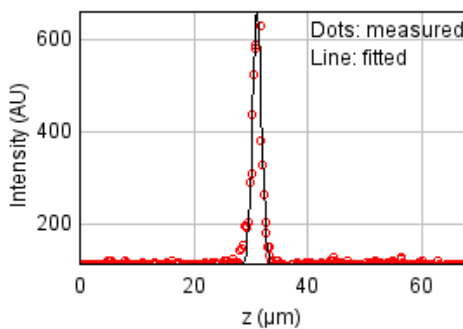
$b = 0.021$ px

$c = 0.530$ px

$x_c = 6.598$ px

$y_c = 6.949$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 49913.5590

Standard deviation: 12.75088

$R^2: 0.97288$

Parameters:

$a = 113.95903$

$b = 661.88313$

$c = 31.15932$

$d = 0.77137$

Bead 1588

Date : Mon Oct 17 13:52:27 PDT 2022

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

Frame size : 12 pixels

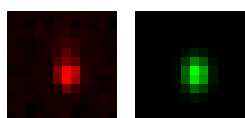
Coordinates : -132 μm (x), 45.1 μm (y), 30.5 μm (z)

Corresponding bead : Not found

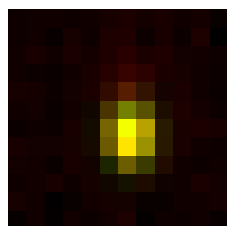
FWHM	Non corrected	Corrected	Theoretical
min	442 nm	460 nm	270 nm
max	581 nm	606 nm	270 nm
z	2.33 μm	2.34 μm	1.3 μm
Asymmetry	0.76		
Theta	-89.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 345.656 (brightness)

B = 120.911 (background)

a = 0.687 px

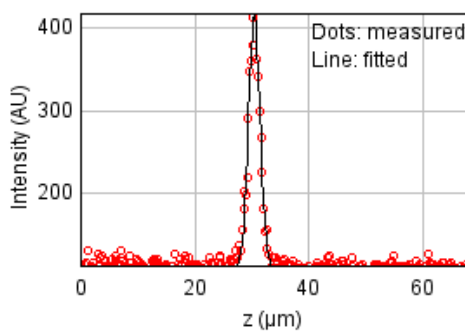
b = -0.005 px

c = 0.397 px

xc = 6.171 px

yc = 6.363 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17264.9250

Standard deviation: 7.49917

R^2 : 0.97621

Parameters:

a = 112.17877

b = 418.09640

c = 30.50186

d = 0.99122

Bead 1589

Date : Mon Oct 17 13:52:27 PDT 2022

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

Frame size : 12 pixels

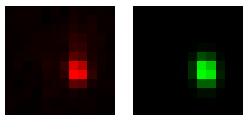
Coordinates : -83.9 μm (x), 43.5 μm (y), 30.9 μm (z)

Corresponding bead : Not found

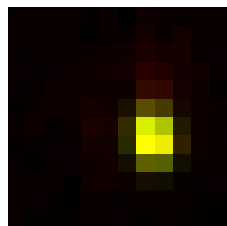
FWHM	Non corrected	Corrected	Theoretical
min	374 nm	390 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.26 μm	2.27 μm	1.3 μm
Asymmetry	0.737		
Theta	-83.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 695.758 (brightness)

B = 124.166 (background)

a = 0.952 px

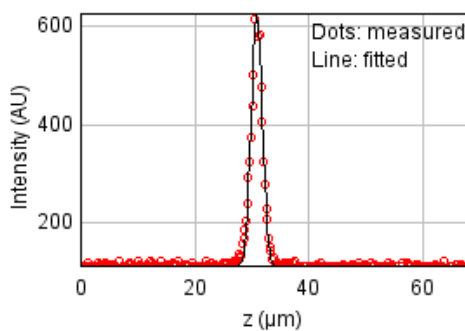
b = -0.051 px

c = 0.527 px

xc = 7.433 px

yc = 6.611 px

Z profile & fitting parameters:



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

Sum of residuals squared: 27638.3342

Standard deviation: 9.48826

R^2 : 0.98594

Parameters:

a = 113.45819

b = 627.15854

c = 30.93768

d = 0.95983

Bead 1590

Date : Mon Oct 17 13:52:27 PDT 2022

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

Frame size : 12 pixels

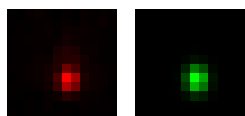
Coordinates : -76.5 μm (x), -1.25 μm (y), 31.2 μm (z)

Corresponding bead : Not found

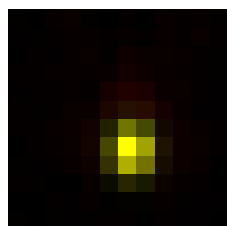
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	413 nm	270 nm
max	483 nm	503 nm	270 nm
z	2.03 μm	2.04 μm	1.3 μm
Asymmetry	0.821		
Theta	-88.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 909.456 (brightness)

B = 127.733 (background)

a = 0.855 px

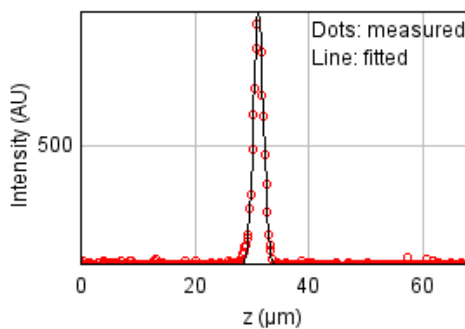
b = -0.006 px

c = 0.576 px

xc = 6.242 px

yc = 7.175 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33589.6676

Standard deviation: 10.46005

R^2 : 0.99253

Parameters:

a = 114.14985

b = 935.21765

c = 31.23706

d = 0.86080

Bead 1591 (Rejected)

Date : Mon Oct 17 13:52:27 PDT 2022

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

Frame size : 12 pixels

Coordinates : -88.4 μm (x), -7.38 μm (y), 27.2 μm (z)

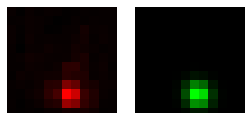
Corresponding bead : Not found

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

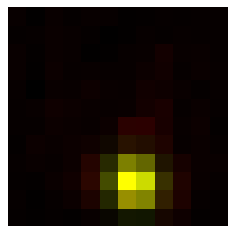
FWHM	Non corrected	Corrected	Theoretical
min	436 nm	454 nm	270 nm
max	466 nm	485 nm	270 nm
z	4.21 μm	4.23 μm	1.3 μm
Asymmetry	0.936		
Theta	-61.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 611.219 (brightness)

B = 129.446 (background)

a = 0.686 px

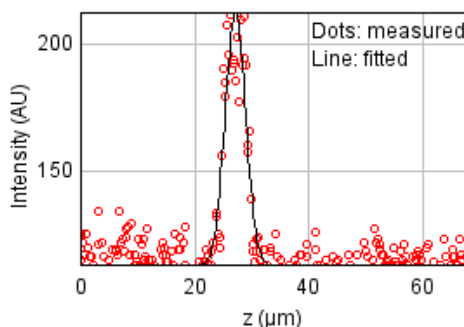
b = -0.037 px

c = 0.638 px

xc = 6.390 px

yc = 9.067 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20627.8278

Standard deviation: 8.19705

R^2 : 0.86072

Parameters:

a = 113.53171

b = 212.32074

c = 27.19857

d = 1.78862

Bead 1592

Date : Mon Oct 17 13:52:27 PDT 2022

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

Frame size : 12 pixels

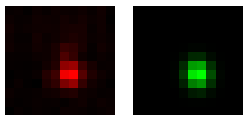
Coordinates : 22.8 μm (x), -67.2 μm (y), 31.0 μm (z)

Corresponding bead : Not found

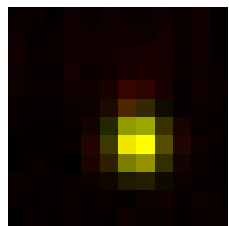
FWHM	Non corrected	Corrected	Theoretical
min	453 nm	472 nm	270 nm
max	521 nm	543 nm	270 nm
z	1.97 μm	1.97 μm	1.3 μm
Asymmetry	0.87		
Theta	-82.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 555.460 (brightness)

B = 123.756 (background)

a = 0.651 px

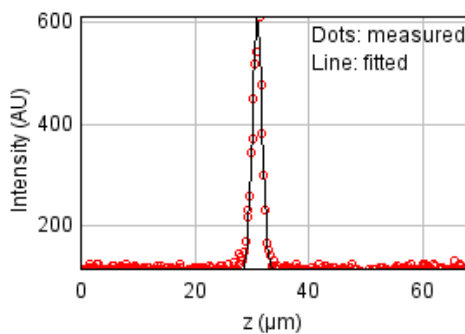
b = -0.021 px

c = 0.497 px

xc = 6.575 px

yc = 6.917 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33941.6513

Standard deviation: 10.51471

R^2 : 0.97906

Parameters:

a = 114.41589

b = 611.09741

c = 31.02570

d = 0.83510

Bead 1593

Date : Mon Oct 17 13:52:27 PDT 2022

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

Frame size : 12 pixels

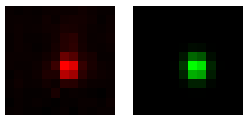
Coordinates : -81.1 μm (x), -92.8 μm (y), 31.2 μm (z)

Corresponding bead : Not found

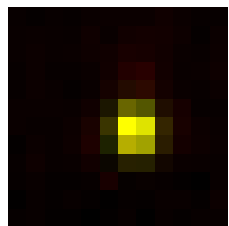
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	456 nm	475 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.873		
Theta	-83.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 646.279 (brightness)

B = 123.501 (background)

a = 0.845 px

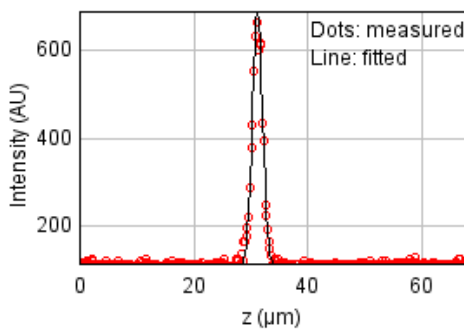
b = -0.024 px

c = 0.648 px

xc = 6.437 px

yc = 6.221 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31704.6218

Standard deviation: 10.16230

R^2 : 0.98599

Parameters:

a = 113.20089

b = 687.81606

c = 31.23339

d = 0.87935

Bead 1594

Date : Mon Oct 17 13:52:27 PDT 2022

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

Frame size : 12 pixels

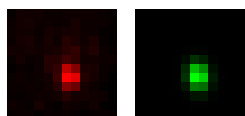
Coordinates : -59.1 μm (x), 91.2 μm (y), 30.7 μm (z)

Corresponding bead : Not found

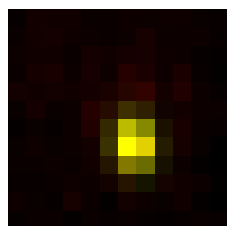
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	395 nm	270 nm
max	505 nm	526 nm	270 nm
z	2.1 μm	2.1 μm	1.3 μm
Asymmetry	0.752		
Theta	-82.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 438.032$ (brightness)

$B = 117.971$ (background)

$a = 0.924$ px

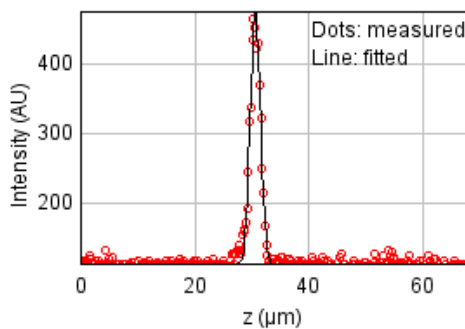
$b = -0.053$ px

$c = 0.534$ px

$x_c = 6.378$ px

$y_c = 6.830$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19167.1180

Standard deviation: 7.90149

$R^2: 0.97914$

Parameters:

$a = 114.01777$

$b = 476.78663$

$c = 30.69243$

$d = 0.88997$

Bead 1595

Date : Mon Oct 17 13:52:27 PDT 2022

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

Frame size : 12 pixels

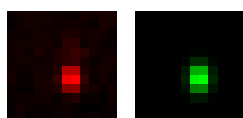
Coordinates : -139 μm (x), 90.6 μm (y), 30.8 μm (z)

Corresponding bead : Not found

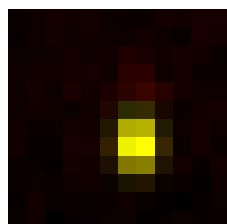
FWHM	Non corrected	Corrected	Theoretical
min	370 nm	386 nm	270 nm
max	503 nm	524 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.735		
Theta	-88.9°		

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:

$A = 393.330$ (brightness)

$B = 120.820$ (background)

$a = 0.979$ px

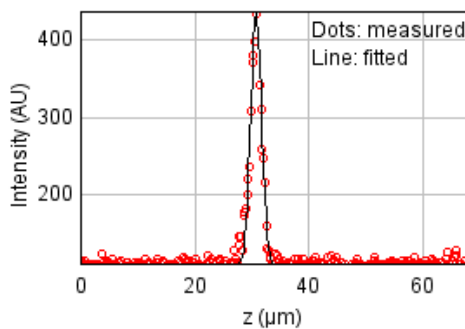
$b = -0.009$ px

$c = 0.530$ px

$x_c = 6.526$ px

$y_c = 6.835$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24276.3342

Standard deviation: 8.89247

$R^2: 0.96899$

Parameters:

$a = 111.53043$

$b = 435.11331$

$c = 30.82858$

$d = 0.94597$

Bead 1596

Date : Mon Oct 17 13:52:27 PDT 2022

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

Frame size : 12 pixels

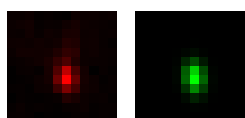
Coordinates : -22.9 μm (x), 80.9 μm (y), 31.1 μm (z)

Corresponding bead : Not found

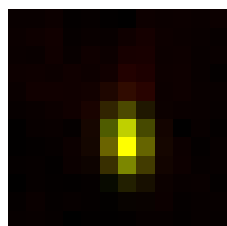
FWHM	Non corrected	Corrected	Theoretical
min	377 nm	393 nm	270 nm
max	568 nm	592 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.664		
Theta	-83.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 536.053 (brightness)

B = 123.487 (background)

a = 0.937 px

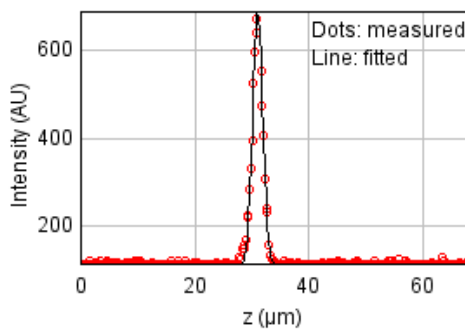
b = -0.057 px

c = 0.422 px

xc = 5.984 px

yc = 6.740 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22117.5723

Standard deviation: 8.48789

R^2 : 0.99027

Parameters:

a = 114.57663

b = 691.37690

c = 31.09942

d = 0.88078

Bead 1597 (Rejected)

Date : Mon Oct 17 13:52:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : -146 μm (x), 76.8 μm (y), 53.9 μm (z)

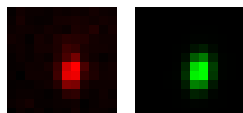
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

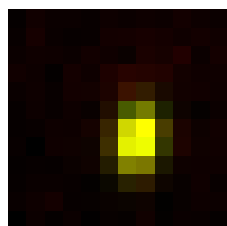
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	608 nm	633 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.67		
Theta	81.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 386.998 (brightness)

B = 116.488 (background)

a = 0.801 px

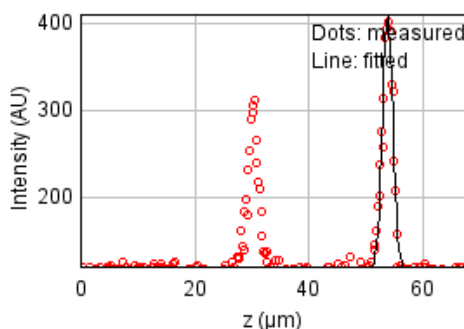
b = 0.062 px

c = 0.372 px

xc = 6.564 px

yc = 6.558 px

Z profile & fitting parameters:



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

Sum of residuals squared: 279828.492

Standard deviation: 30.19095

R^2 : 0.67274

Parameters:

a = 118.88876

b = 410.04991

c = 53.87480

d = 0.88299

Bead 1598 (Rejected)

Date : Mon Oct 17 13:52:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : 40.4 μm (x), 62.6 μm (y), 31.9 μm (z)

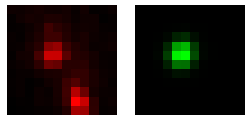
Corresponding bead : Not found

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

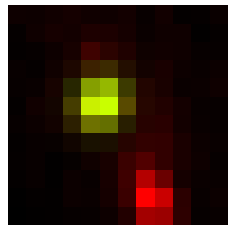
FWHM	Non corrected	Corrected	Theoretical
min	448 nm	466 nm	270 nm
max	489 nm	509 nm	270 nm
z	5.66 μm	5.68 μm	1.3 μm
Asymmetry	0.916		
Theta	65.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.451$



Parameters:

A = 520.681 (brightness)

B = 165.325 (background)

a = 0.652 px

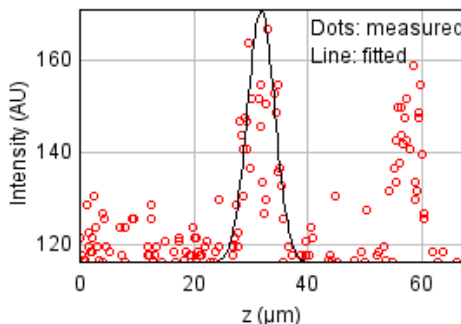
b = 0.040 px

c = 0.580 px

xc = 4.559 px

yc = 4.813 px

Z profile & fitting parameters:



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

Sum of residuals squared: 61519.0214

Standard deviation: 14.15584

R^2 : 0.45110

Parameters:

a = 116.36620

b = 171.02392

c = 31.86708

d = 2.40256

Bead 1599

Date : Mon Oct 17 13:52:28 PDT 2022

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

Frame size : 12 pixels

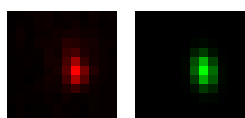
Coordinates : 13.4 μm (x), 551 nm (y), 31.1 μm (z)

Corresponding bead : Not found

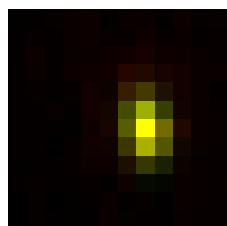
FWHM	Non corrected	Corrected	Theoretical
min	375 nm	390 nm	270 nm
max	605 nm	630 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.62		
Theta	-82.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 601.885 (brightness)

B = 123.357 (background)

a = 0.945 px

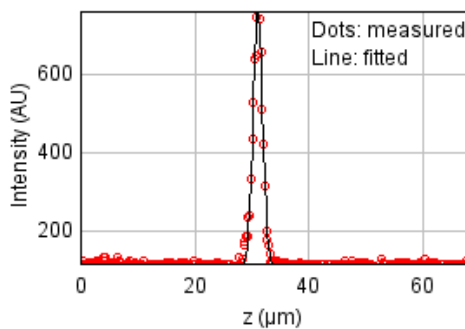
b = -0.079 px

c = 0.377 px

xc = 7.036 px

yc = 5.995 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31481.1561

Standard deviation: 10.12642

R^2 : 0.98836

Parameters:

a = 113.81282

b = 765.23123

c = 31.12252

d = 0.81657

Bead 1600

Date : Mon Oct 17 13:52:28 PDT 2022

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

Frame size : 12 pixels

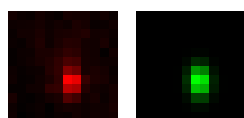
Coordinates : 138 μm (x), -34.2 μm (y), 30.5 μm (z)

Corresponding bead : Not found

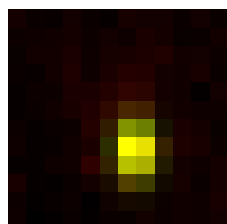
FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	573 nm	597 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.667		
Theta	-88.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 309.913 (brightness)

B = 119.025 (background)

a = 0.918 px

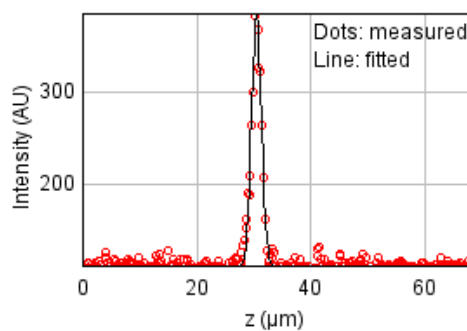
b = -0.017 px

c = 0.409 px

xc = 6.433 px

yc = 7.173 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18034.4063

Standard deviation: 7.66446

R^2 : 0.96442

Parameters:

a = 111.74546

b = 383.97901

c = 30.54461

d = 0.85706