

Bead 301 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : -162 μm (x), -7.58 μm (y), 6.04 μm (z)

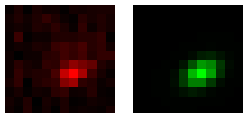
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

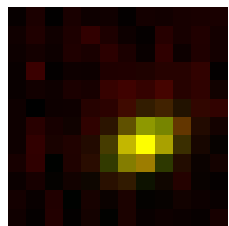
FWHM	Non corrected	Corrected	Theoretical
min	438 nm	456 nm	270 nm
max	662 nm	689 nm	270 nm
z	2.7 μm	2.71 μm	1.3 μm
Asymmetry	0.662		
Theta	28.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.838$



Parameters:

A = 126.384 (brightness)

B = 115.493 (background)

a = 0.394 px

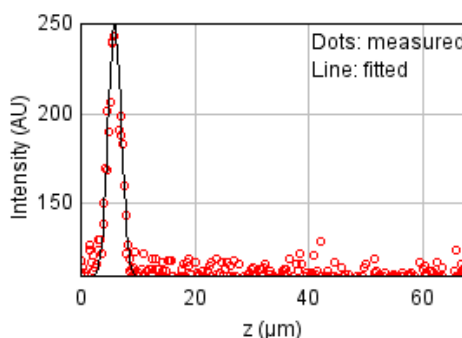
b = 0.164 px

c = 0.612 px

xc = 6.942 px

yc = 6.933 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13406.8552

Standard deviation: 6.60837

R^2 : 0.92818

Parameters:

a = 109.71446

b = 251.00859

c = 6.04393

d = 1.14602

Bead 302 (Rejected)

Date : Mon Oct 17 13:50:42 PDT 2022

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

Frame size : 12 pixels

Coordinates : 162 μm (x), -27.0 μm (y), 6.41 μm (z)

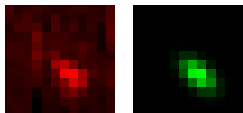
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	708 nm	737 nm	270 nm
z	5.14 μm	5.16 μm	1.3 μm
Asymmetry	0.564		
Theta	-42.5°		

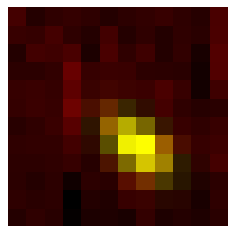
XY profile & fitting parameters :

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



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

$R^2 = 0.825$



Parameters:

A = 145.601 (brightness)

B = 121.629 (background)

a = 0.530 px

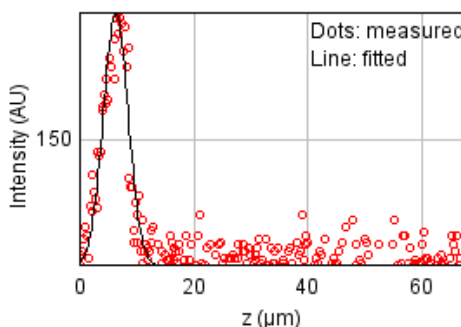
b = -0.286 px

c = 0.581 px

xc = 6.600 px

yc = 7.084 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14237.9367

Standard deviation: 6.81011

R^2 : 0.88061

Parameters:

a = 109.19987

b = 191.27218

c = 6.40534

d = 2.18406

Bead 303

Date : Mon Oct 17 13:50:42 PDT 2022

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

Frame size : 12 pixels

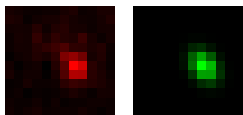
Coordinates : 124 μm (x), -28.9 μm (y), 6.86 μm (z)

Corresponding bead : Not found

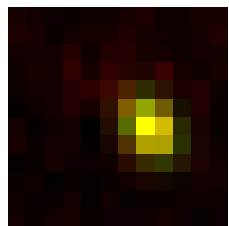
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	463 nm	270 nm
max	618 nm	643 nm	270 nm
z	2.54 μm	2.55 μm	1.3 μm
Asymmetry	0.72		
Theta	-58.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 249.397$ (brightness)

$B = 119.599$ (background)

$a = 0.588$ px

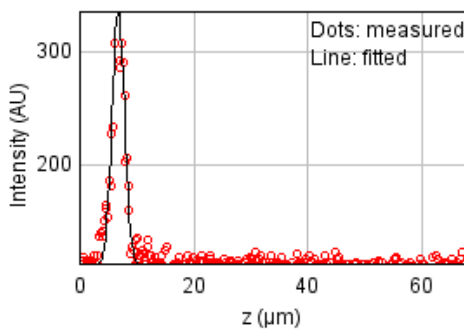
$b = -0.147$ px

$c = 0.443$ px

$x_c = 7.249$ px

$y_c = 6.061$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22838.4478

Standard deviation: 8.62510

$R^2: 0.94754$

Parameters:

$a = 112.11557$

$b = 336.27393$

$c = 6.85664$

$d = 1.08003$

Bead 304

Date : Mon Oct 17 13:50:42 PDT 2022

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

Frame size : 12 pixels

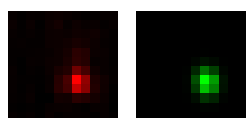
Coordinates : -30.1 μm (x), -29.9 μm (y), 7.21 μm (z)

Corresponding bead : Not found

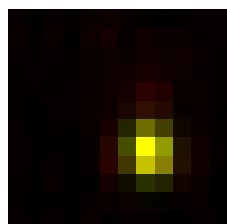
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	495 nm	516 nm	270 nm
z	1.84 μm	1.85 μm	1.3 μm
Asymmetry	0.806		
Theta	-83.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 698.762 (brightness)

B = 127.002 (background)

a = 0.838 px

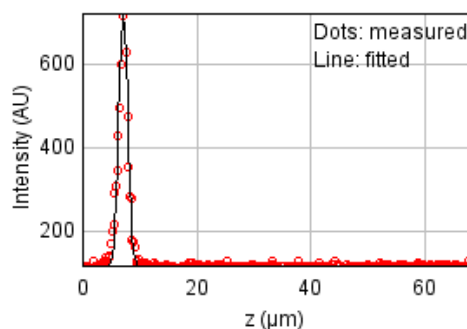
b = -0.035 px

c = 0.551 px

xc = 7.216 px

yc = 7.265 px

Z profile & fitting parameters:



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

Sum of residuals squared: 51581.0929

Standard deviation: 12.96212

R^2 : 0.97739

Parameters:

a = 115.05947

b = 722.81037

c = 7.20698

d = 0.78137

Bead 305 (Rejected)

Date : Mon Oct 17 13:50:42 PDT 2022

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

Frame size : 12 pixels

Coordinates : 108 μm (x), -41.0 μm (y), 7.71 μm (z)

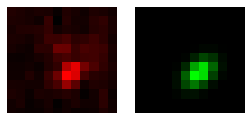
Corresponding bead : Not found

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

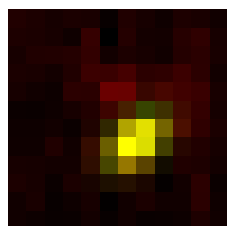
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	617 nm	643 nm	270 nm
z	2.76 μm	2.77 μm	1.3 μm
Asymmetry	0.664		
Theta	42.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 200.013 (brightness)

B = 120.558 (background)

a = 0.557 px

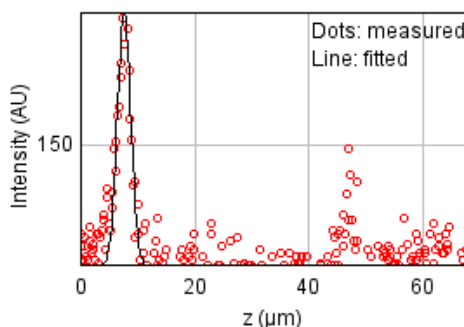
b = 0.222 px

c = 0.593 px

xc = 6.507 px

yc = 6.676 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18453.3387

Standard deviation: 7.75297

R^2 : 0.74126

Parameters:

a = 113.13830

b = 190.36368

c = 7.70981

d = 1.17220

Bead 306 (Rejected)

Date : Mon Oct 17 13:50:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : -89.1 μm (x), -46.0 μm (y), 7.23 μm (z)

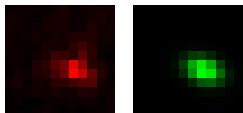
Corresponding bead : Not found

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

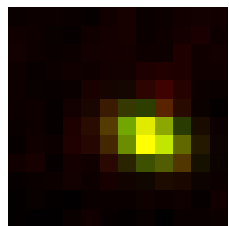
FWHM	Non corrected	Corrected	Theoretical
min	450 nm	469 nm	270 nm
max	668 nm	695 nm	270 nm
z	3.55 μm	3.56 μm	1.3 μm
Asymmetry	0.674		
Theta	-20.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 296.211 (brightness)

B = 122.350 (background)

a = 0.347 px

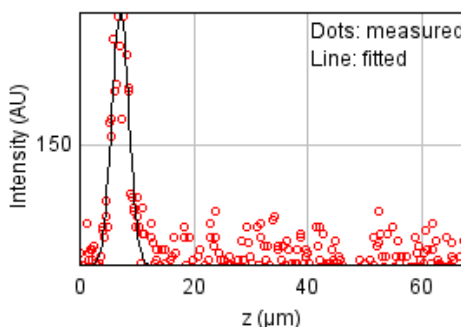
b = -0.120 px

c = 0.617 px

xc = 7.216 px

yc = 6.610 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15000.4545

Standard deviation: 6.99009

R^2 : 0.81818

Parameters:

a = 112.99277

b = 190.66454

c = 7.23468

d = 1.50765

Bead 307 (Rejected)

Date : Mon Oct 17 13:50:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : 20.6 μm (x), -52.5 μm (y), 3.77 μm (z)

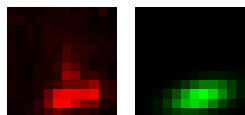
Corresponding bead : Not found

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

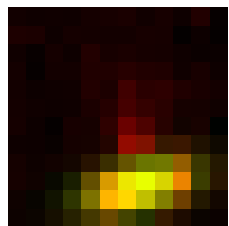
FWHM	Non corrected	Corrected	Theoretical
min	486 nm	506 nm	270 nm
max	1.07 μm	1.12 μm	270 nm
z	3.46 μm	3.48 μm	1.3 μm
Asymmetry	0.452		
Theta	14.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.838$



Parameters:

A = 304.368 (brightness)

B = 124.484 (background)

a = 0.145 px

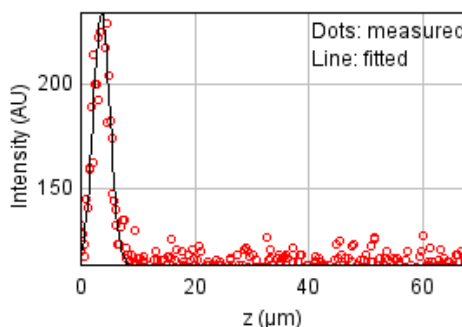
b = 0.110 px

c = 0.540 px

xc = 6.623 px

yc = 9.307 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14606.3040

Standard deviation: 6.89765

R^2 : 0.91621

Parameters:

a = 113.17563

b = 233.98441

c = 3.76945

d = 1.47064

Bead 308

Date : Mon Oct 17 13:50:43 PDT 2022

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

Frame size : 12 pixels

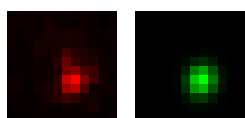
Coordinates : 70.6 μm (x), -59.5 μm (y), 7.44 μm (z)

Corresponding bead : Not found

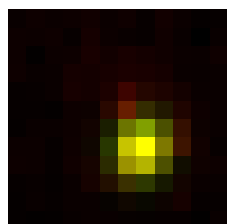
FWHM	Non corrected	Corrected	Theoretical
min	511 nm	532 nm	270 nm
max	579 nm	603 nm	270 nm
z	2.08 μm	2.08 μm	1.3 μm
Asymmetry	0.883		
Theta	75.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 414.880 (brightness)

B = 123.990 (background)

a = 0.507 px

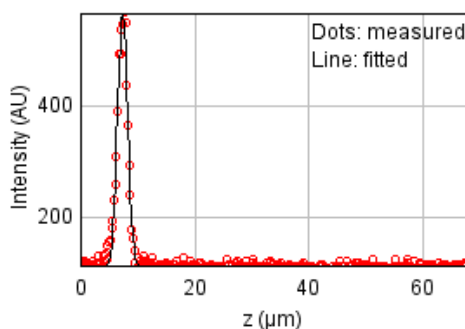
b = 0.028 px

c = 0.408 px

xc = 6.754 px

yc = 7.086 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24737.8605

Standard deviation: 8.97660

R^2 : 0.98228

Parameters:

a = 113.44296

b = 563.44409

c = 7.43617

d = 0.88129

Bead 309 (Rejected)

Date : Mon Oct 17 13:50:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : 119 μm (x), -61.2 μm (y), 6.57 μm (z)

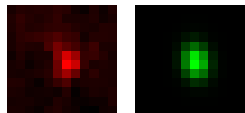
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

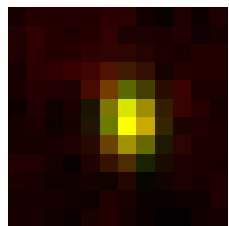
FWHM	Non corrected	Corrected	Theoretical
min	482 nm	502 nm	270 nm
max	640 nm	666 nm	270 nm
z	3.1 μm	3.11 μm	1.3 μm
Asymmetry	0.754		
Theta	-80.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 205.098 (brightness)

B = 120.444 (background)

a = 0.571 px

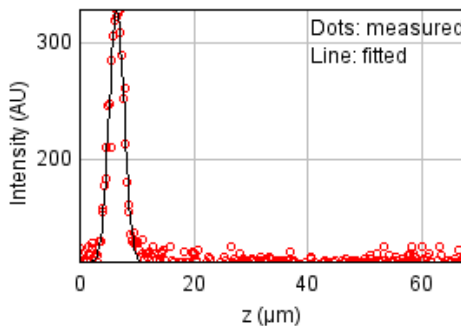
b = -0.039 px

c = 0.334 px

xc = 6.125 px

yc = 5.675 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17256.3166

Standard deviation: 7.49730

R^2 : 0.96414

Parameters:

a = 111.17538

b = 328.02679

c = 6.56618

d = 1.31498

Bead 310 (Rejected)

Date : Mon Oct 17 13:50:44 PDT 2022

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

Frame size : 12 pixels

Coordinates : -152 μm (x), 68.8 μm (y), 7.24 μm (z)

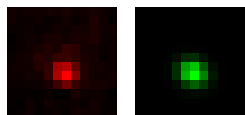
Corresponding bead : Not found

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

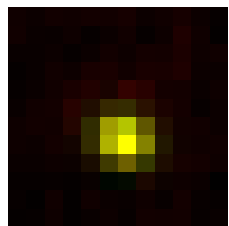
FWHM	Non corrected	Corrected	Theoretical
min	451 nm	470 nm	270 nm
max	526 nm	548 nm	270 nm
z	3.89 μm	3.9 μm	1.3 μm
Asymmetry	0.857		
Theta	-27.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 346.064 (brightness)

B = 119.025 (background)

a = 0.521 px

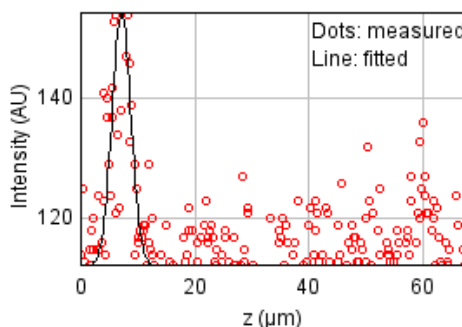
b = -0.071 px

c = 0.624 px

xc = 5.808 px

yc = 6.690 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19967.0151

Standard deviation: 8.06468

R^2 : 0.51853

Parameters:

a = 112.14197

b = 154.20885

c = 7.24477

d = 1.65090

Bead 311

Date : Mon Oct 17 13:50:44 PDT 2022

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

Frame size : 12 pixels

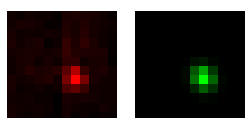
Coordinates : -127 μm (x), 63.3 μm (y), 6.45 μm (z)

Corresponding bead : Not found

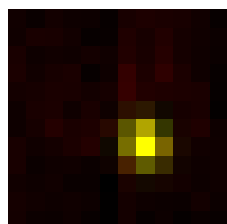
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	441 nm	460 nm	270 nm
z	2.43 μm	2.44 μm	1.3 μm
Asymmetry	0.86		
Theta	-64.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 241.326$ (brightness)

$B = 117.715$ (background)

$a = 0.887$ px

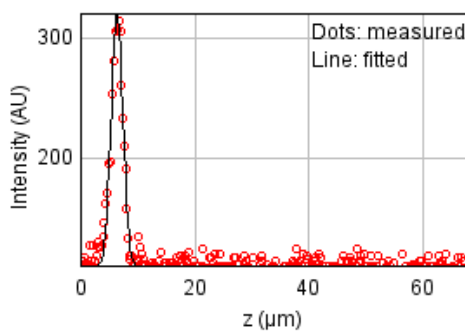
$b = -0.093$ px

$c = 0.732$ px

$x_c = 6.948$ px

$y_c = 6.791$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18227.5474

Standard deviation: 7.70540

$R^2: 0.94938$

Parameters:

$a = 111.58967$

$b = 320.20815$

$c = 6.45153$

$d = 1.03047$

Bead 312

Date : Mon Oct 17 13:50:44 PDT 2022

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

Frame size : 12 pixels

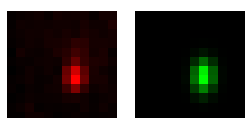
Coordinates : 28.6 μm (x), 48.2 μm (y), 7.11 μm (z)

Corresponding bead : Not found

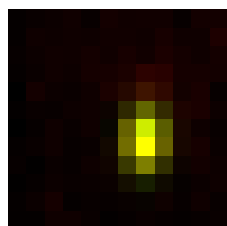
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	591 nm	616 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.651		
Theta	87.9°		

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 = 392.463 (brightness)

B = 123.914 (background)

a = 0.905 px

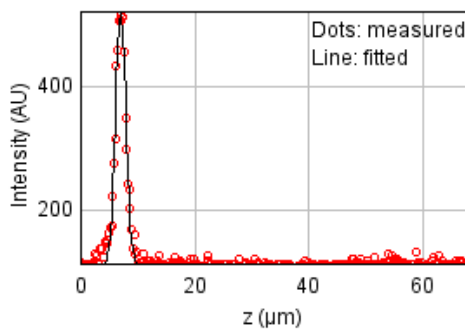
b = 0.019 px

c = 0.384 px

xc = 6.976 px

yc = 6.600 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23710.2239

Standard deviation: 8.78817

R^2 : 0.97979

Parameters:

a = 113.90872

b = 522.87545

c = 7.10602

d = 0.89494

Bead 313

Date : Mon Oct 17 13:50:44 PDT 2022

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

Frame size : 12 pixels

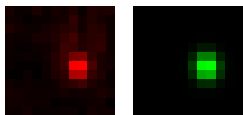
Coordinates : 74.5 μm (x), 43.6 μm (y), 6.62 μm (z)

Corresponding bead : Not found

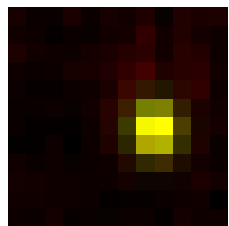
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	506 nm	527 nm	270 nm
z	2.52 μm	2.53 μm	1.3 μm
Asymmetry	0.855		
Theta	-84.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 258.340 (brightness)

B = 119.067 (background)

a = 0.716 px

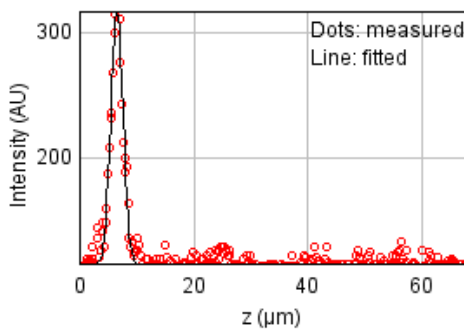
b = -0.020 px

c = 0.527 px

xc = 7.525 px

yc = 6.148 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 314 (Rejected)

Date : Mon Oct 17 13:50:45 PDT 2022

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

Frame size : 12 pixels

Coordinates : -32.3 μm (x), 39.3 μm (y), 7.77 μm (z)

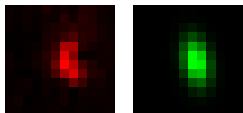
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

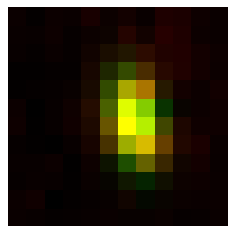
FWHM	Non corrected	Corrected	Theoretical
min	473 nm	493 nm	270 nm
max	845 nm	880 nm	270 nm
z	2.37 μm	2.38 μm	1.3 μm
Asymmetry	0.56		
Theta	-79.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 424.121 (brightness)

B = 122.041 (background)

a = 0.585 px

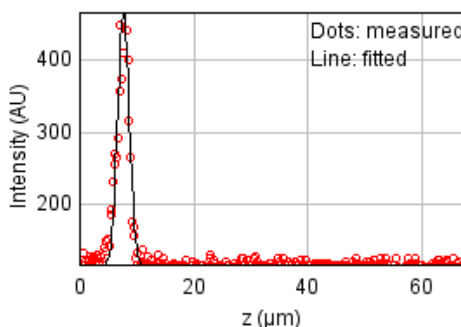
b = -0.074 px

c = 0.202 px

xc = 6.402 px

yc = 5.674 px

Z profile & fitting parameters:



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

Sum of residuals squared: 52988.5586

Standard deviation: 13.13778

R^2 : 0.94765

Parameters:

a = 114.15913

b = 467.48539

c = 7.77017

d = 1.00677

Bead 315 (Rejected)

Date : Mon Oct 17 13:50:45 PDT 2022

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

Frame size : 12 pixels

Coordinates : 155 um (x), 32.4 um (y), 5.7 um (z)

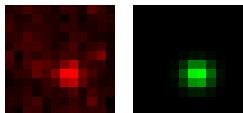
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

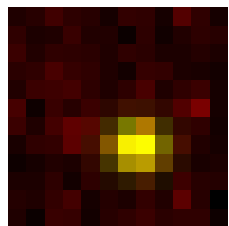
FWHM	Non corrected	Corrected	Theoretical
min	469 nm	488 nm	270 nm
max	525 nm	547 nm	270 nm
z	3.1 um	3.11 um	1.3 um
Asymmetry	0.893		
Theta	-5.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.759$



Parameters:

A = 86.335 (brightness)

B = 114.926 (background)

a = 0.488 px

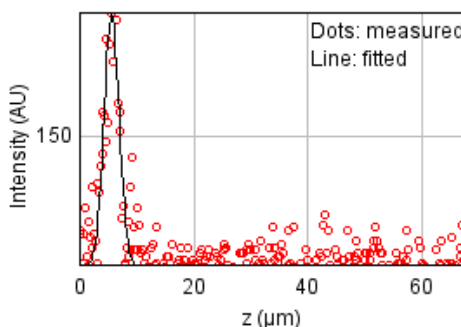
b = -0.012 px

c = 0.609 px

xc = 6.549 px

yc = 7.090 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15247.8414

Standard deviation: 7.04750

R^2 : 0.80030

Parameters:

a = 110.04688

b = 188.72387

c = 5.69614

d = 1.31585

Bead 316 (Rejected)

Date : Mon Oct 17 13:50:45 PDT 2022

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

Frame size : 12 pixels

Coordinates : 65.4 μm (x), -30.5 μm (y), 7.67 μm (z)

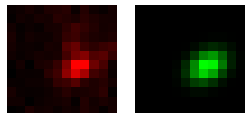
Corresponding bead : Not found

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

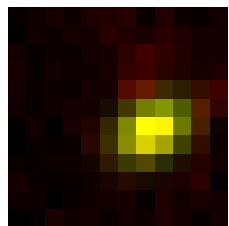
FWHM	Non corrected	Corrected	Theoretical
min	516 nm	538 nm	270 nm
max	709 nm	739 nm	270 nm
z	3.29 μm	3.3 μm	1.3 μm
Asymmetry	0.728		
Theta	31.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.881$



Parameters:

A = 190.903 (brightness)

B = 119.563 (background)

a = 0.331 px

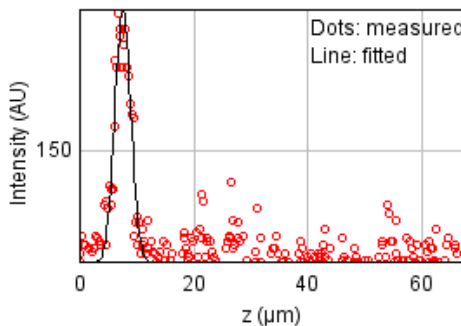
b = 0.105 px

c = 0.439 px

xc = 7.382 px

yc = 6.193 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15192.9731

Standard deviation: 7.03481

R^2 : 0.81825

Parameters:

a = 114.14269

b = 195.10385

c = 7.66560

d = 1.39742

Bead 317

Date : Mon Oct 17 13:50:45 PDT 2022

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

Frame size : 12 pixels

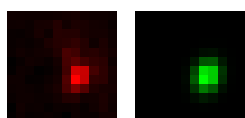
Coordinates : 89.8 μm (x), -36.1 μm (y), 7.18 μm (z)

Corresponding bead : Not found

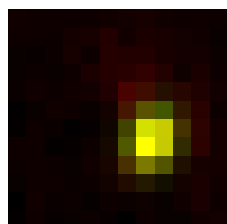
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	466 nm	270 nm
max	568 nm	592 nm	270 nm
z	2.91 μm	2.92 μm	1.3 μm
Asymmetry	0.787		
Theta	74.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 359.495 (brightness)

B = 122.019 (background)

a = 0.651 px

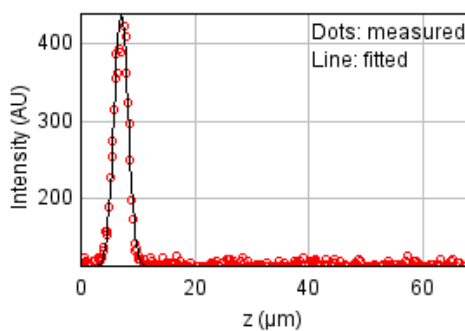
b = 0.067 px

c = 0.434 px

xc = 7.362 px

yc = 6.592 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22652.3785

Standard deviation: 8.58989

R^2 : 0.97783

Parameters:

a = 112.50062

b = 439.92038

c = 7.18380

d = 1.23650

Bead 318 (Rejected)

Date : Mon Oct 17 13:50:46 PDT 2022

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

Frame size : 12 pixels

Coordinates : 42.1 μm (x), -45.0 μm (y), 4.41 μm (z)

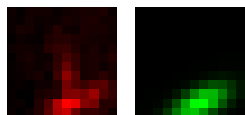
Corresponding bead : Not found

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

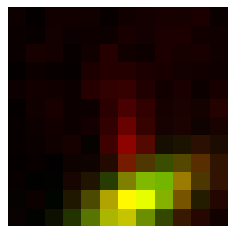
FWHM	Non corrected	Corrected	Theoretical
min	500 nm	520 nm	270 nm
max	1.12 μm	1.16 μm	270 nm
z	3.88 μm	3.9 μm	1.3 μm
Asymmetry	0.447		
Theta	26.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.791$



Parameters:

A = 171.969 (brightness)

B = 124.480 (background)

a = 0.194 px

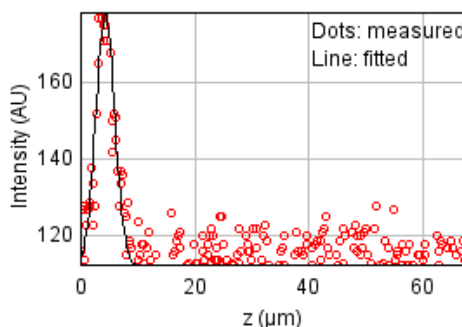
b = 0.172 px

c = 0.451 px

xc = 6.543 px

yc = 10.032 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13953.3258

Standard deviation: 6.74170

R^2 : 0.79041

Parameters:

a = 112.27017

b = 178.10103

c = 4.41427

d = 1.64855

Bead 319 (Rejected)

Date : Mon Oct 17 13:50:46 PDT 2022

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

Frame size : 12 pixels

Coordinates : 151 μm (x), -51.5 μm (y), 6.29 μm (z)

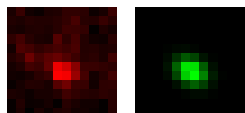
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

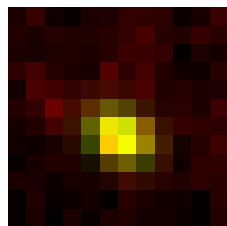
FWHM	Non corrected	Corrected	Theoretical
min	465 nm	485 nm	270 nm
max	607 nm	632 nm	270 nm
z	3.71 μm	3.72 μm	1.3 μm
Asymmetry	0.766		
Theta	-32.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.799$



Parameters:

A = 115.109 (brightness)

B = 113.740 (background)

a = 0.437 px

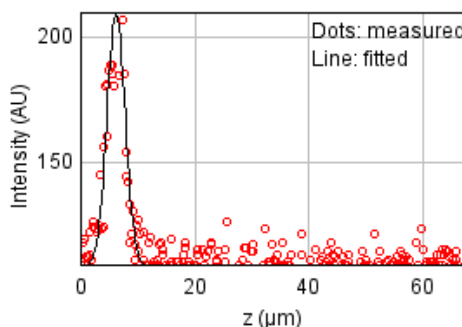
b = -0.115 px

c = 0.547 px

xc = 5.612 px

yc = 6.520 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15150.7662

Standard deviation: 7.02503

R^2 : 0.88588

Parameters:

a = 109.39769

b = 209.89756

c = 6.29064

d = 1.57506

Bead 320 (Rejected)

Date : Mon Oct 17 13:50:46 PDT 2022

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

Frame size : 12 pixels

Coordinates : 92.1 μm (x), -53.9 μm (y), 7.42 μm (z)

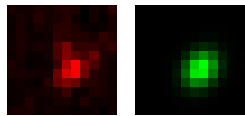
Corresponding bead : Not found

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

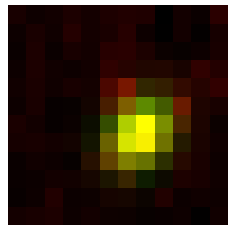
FWHM	Non corrected	Corrected	Theoretical
min	545 nm	568 nm	270 nm
max	689 nm	718 nm	270 nm
z	3.53 μm	3.54 μm	1.3 μm
Asymmetry	0.791		
Theta	54.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 196.664 (brightness)

B = 119.377 (background)

a = 0.395 px

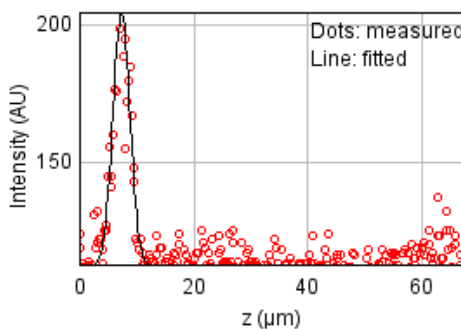
b = 0.080 px

c = 0.340 px

xc = 6.666 px

yc = 6.484 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18591.5716

Standard deviation: 7.78196

R^2 : 0.83605

Parameters:

a = 112.16644

b = 204.49198

c = 7.42147

d = 1.49794

Bead 321 (Rejected)

Date : Mon Oct 17 13:50:46 PDT 2022

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

Frame size : 12 pixels

Coordinates : 133 μm (x), -93.8 μm (y), 7.22 μm (z)

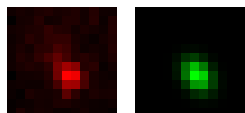
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

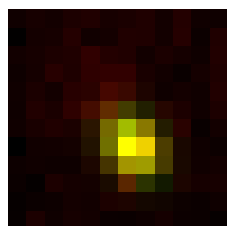
FWHM	Non corrected	Corrected	Theoretical
min	476 nm	496 nm	270 nm
max	635 nm	661 nm	270 nm
z	2.74 μm	2.76 μm	1.3 μm
Asymmetry	0.75		
Theta	-55.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 226.244 (brightness)

B = 119.926 (background)

a = 0.507 px

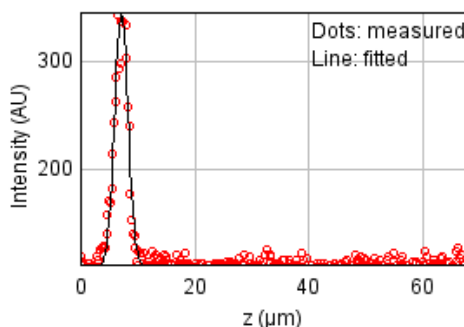
b = -0.122 px

c = 0.419 px

xc = 6.290 px

yc = 6.946 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21199.4628

Standard deviation: 8.30985

R^2 : 0.95786

Parameters:

a = 110.86654

b = 344.65598

c = 7.22059

d = 1.16532

Bead 322 (Rejected)

Date : Mon Oct 17 13:50:47 PDT 2022

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

Frame size : 12 pixels

Coordinates : -19.2 μm (x), 92.6 μm (y), 6.77 μm (z)

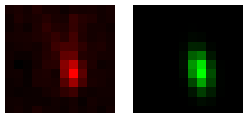
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

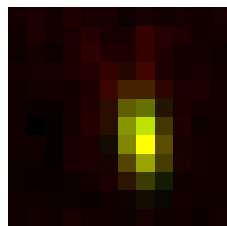
FWHM	Non corrected	Corrected	Theoretical
min	378 nm	393 nm	270 nm
max	716 nm	746 nm	270 nm
z	1.88 μm	1.89 μm	1.3 μm
Asymmetry	0.527		
Theta	-80.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 267.561 (brightness)

B = 122.798 (background)

a = 0.923 px

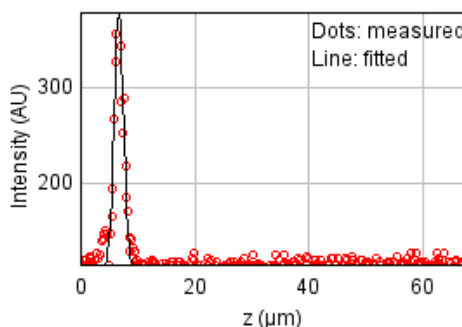
b = -0.110 px

c = 0.280 px

xc = 6.801 px

yc = 6.625 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28343.3700

Standard deviation: 9.60852

R^2 : 0.93870

Parameters:

a = 114.06115

b = 379.37807

c = 6.77393

d = 0.79861

Bead 323

Date : Mon Oct 17 13:50:47 PDT 2022

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

Frame size : 12 pixels

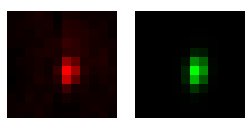
Coordinates : 72.0 μm (x), 85.2 μm (y), 7.04 μm (z)

Corresponding bead : Not found

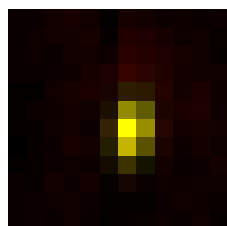
FWHM	Non corrected	Corrected	Theoretical
min	318 nm	332 nm	270 nm
max	536 nm	558 nm	270 nm
z	2.21 μm	2.22 μm	1.3 μm
Asymmetry	0.594		
Theta	83.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 333.183 (brightness)

B = 117.450 (background)

a = 1.312 px

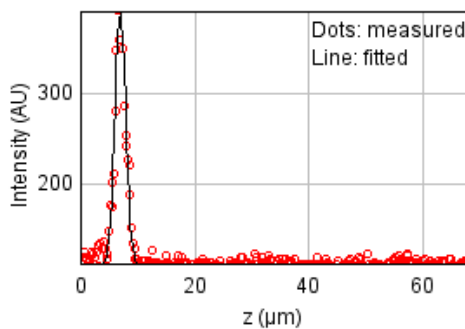
b = 0.102 px

c = 0.480 px

xc = 6.267 px

yc = 6.087 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24547.9508

Standard deviation: 8.94208

R^2 : 0.95716

Parameters:

a = 112.78922

b = 388.69636

c = 7.04006

d = 0.94061

Bead 324 (Rejected)

Date : Mon Oct 17 13:50:47 PDT 2022

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

Frame size : 12 pixels

Coordinates : 133 μm (x), 76.4 μm (y), 6.62 μm (z)

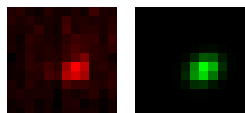
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

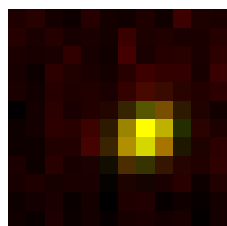
FWHM	Non corrected	Corrected	Theoretical
min	436 nm	454 nm	270 nm
max	562 nm	585 nm	270 nm
z	2.75 μm	2.76 μm	1.3 μm
Asymmetry	0.776		
Theta	32.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.856$



Parameters:

A = 167.442 (brightness)

B = 116.787 (background)

a = 0.505 px

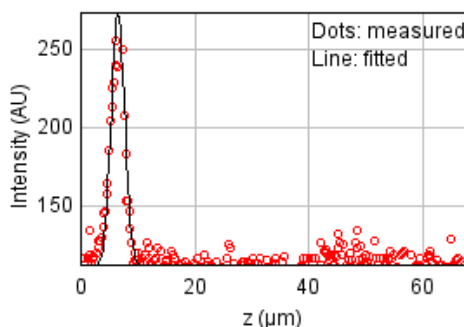
b = 0.127 px

c = 0.626 px

xc = 7.052 px

yc = 6.355 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21444.3651

Standard deviation: 8.35771

R^2 : 0.91421

Parameters:

a = 112.52408

b = 273.32744

c = 6.62010

d = 1.16834

Bead 325

Date : Mon Oct 17 13:50:48 PDT 2022

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

Frame size : 12 pixels

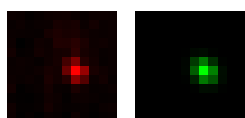
Coordinates : -110 μm (x), 65.7 μm (y), 6.98 μm (z)

Corresponding bead : Not found

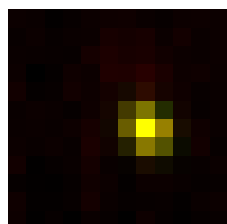
FWHM	Non corrected	Corrected	Theoretical
min	374 nm	389 nm	270 nm
max	455 nm	474 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.821		
Theta	-52.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 342.737$ (brightness)

$B = 118.729$ (background)

$a = 0.844$ px

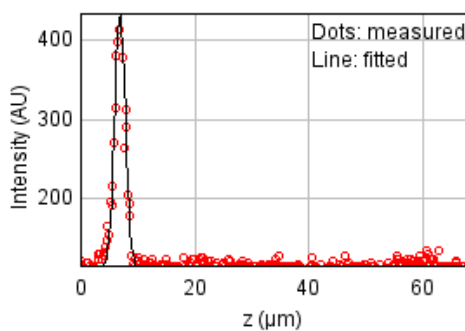
$b = -0.152$ px

$c = 0.765$ px

$x_c = 7.099$ px

$y_c = 6.027$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31104.7219

Standard deviation: 10.06570

$R^2 = 0.95883$

Parameters:

$a = 114.07787$

$b = 434.69349$

$c = 6.98454$

$d = 0.91897$

Bead 326

Date : Mon Oct 17 13:50:48 PDT 2022

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

Frame size : 12 pixels

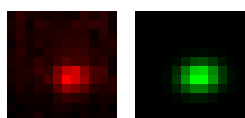
Coordinates : 164 μm (x), 38.0 μm (y), 6.42 μm (z)

Corresponding bead : Not found

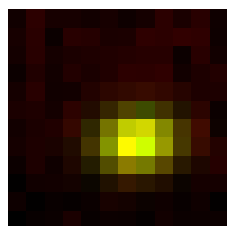
FWHM	Non corrected	Corrected	Theoretical
min	544 nm	567 nm	270 nm
max	726 nm	756 nm	270 nm
z	3.47 μm	3.48 μm	1.3 μm
Asymmetry	0.749		
Theta	5.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.908$



Parameters:

$A = 149.751$ (brightness)

$B = 118.964$ (background)

$a = 0.257$ px

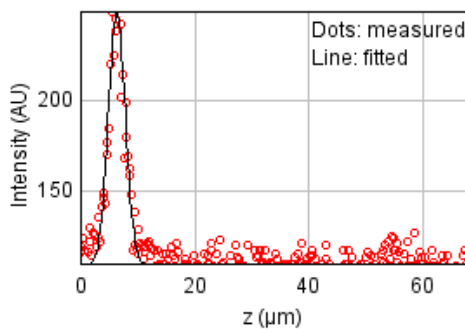
$b = 0.020$ px

$c = 0.451$ px

$x_c = 6.551$ px

$y_c = 6.699$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18725.9600

Standard deviation: 7.81003

$R^2: 0.91819$

Parameters:

$a = 110.10344$

$b = 248.61361$

$c = 6.41547$

$d = 1.47334$

Bead 327 (Rejected)

Date : Mon Oct 17 13:50:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : 77.0 μm (x), 28.2 μm (y), 7.15 μm (z)

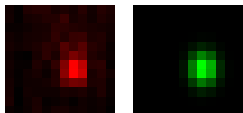
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

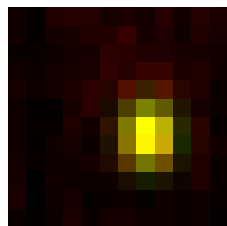
FWHM	Non corrected	Corrected	Theoretical
min	491 nm	511 nm	270 nm
max	619 nm	645 nm	270 nm
z	2.49 μm	2.5 μm	1.3 μm
Asymmetry	0.793		
Theta	90.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.898$



Parameters:

A = 210.437 (brightness)

B = 116.722 (background)

a = 0.556 px

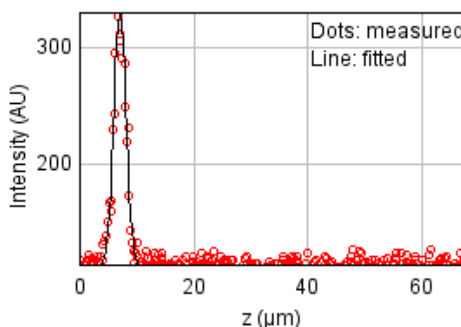
b = 0.000 px

c = 0.350 px

xc = 7.166 px

yc = 6.449 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17833.9723

Standard deviation: 7.62175

R^2 : 0.95573

Parameters:

a = 112.24157

b = 330.87215

c = 7.14620

d = 1.05844

Bead 328 (Rejected)

Date : Mon Oct 17 13:50:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : 112 μm (x), 16.9 μm (y), 57.3 μm (z)

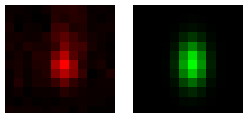
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

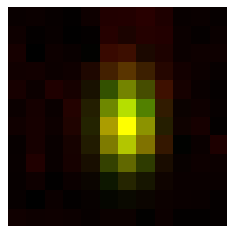
FWHM	Non corrected	Corrected	Theoretical
min	509 nm	531 nm	270 nm
max	831 nm	865 nm	270 nm
z	2.48 μm	2.49 μm	1.3 μm
Asymmetry	0.613		
Theta	89.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 257.791 (brightness)

B = 124.847 (background)

a = 0.517 px

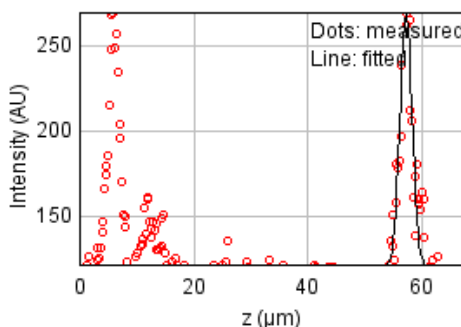
b = 0.003 px

c = 0.195 px

xc = 5.968 px

yc = 5.847 px

Z profile & fitting parameters:



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

Sum of residuals squared: 223280.536

Standard deviation: 26.96847

R^2 : 0.44010

Parameters:

a = 121.28514

b = 269.32799

c = 57.27140

d = 1.05182

Bead 329 (Rejected)

Date : Mon Oct 17 13:50:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : 62.9 μm (x), -19.1 μm (y), 4.41 μm (z)

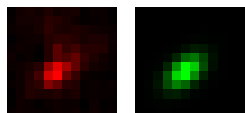
Corresponding bead : Not found

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

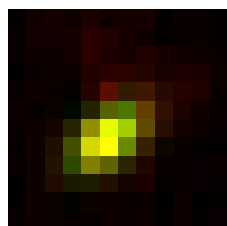
FWHM	Non corrected	Corrected	Theoretical
min	455 nm	474 nm	270 nm
max	768 nm	800 nm	270 nm
z	3.17 μm	3.18 μm	1.3 μm
Asymmetry	0.592		
Theta	39.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 319.384 (brightness)

B = 121.349 (background)

a = 0.399 px

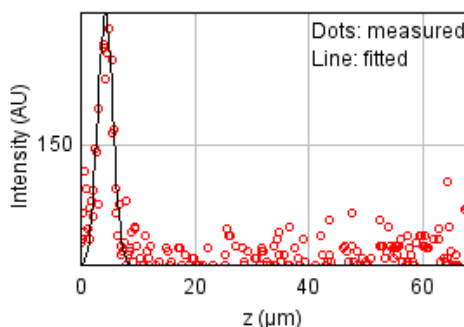
b = 0.207 px

c = 0.477 px

xc = 4.964 px

yc = 6.527 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18486.5692

Standard deviation: 7.75995

R^2 : 0.77234

Parameters:

a = 112.51151

b = 191.42394

c = 4.41378

d = 1.34456

Bead 330

Date : Mon Oct 17 13:50:48 PDT 2022

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

Frame size : 12 pixels

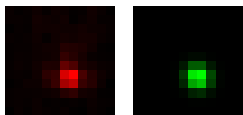
Coordinates : -29.4 μm (x), -21.1 μm (y), 7.63 μm (z)

Corresponding bead : Not found

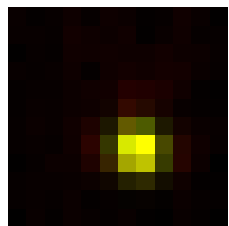
FWHM	Non corrected	Corrected	Theoretical
min	438 nm	456 nm	270 nm
max	463 nm	482 nm	270 nm
z	1.86 μm	1.87 μm	1.3 μm
Asymmetry	0.946		
Theta	-56.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 566.211 (brightness)

B = 124.848 (background)

a = 0.677 px

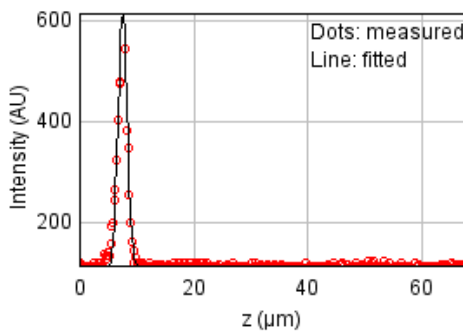
b = -0.034 px

c = 0.648 px

xc = 6.581 px

yc = 7.270 px

Z profile & fitting parameters:



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

Sum of residuals squared: 38288.8564

Standard deviation: 11.16778

R^2 : 0.97578

Parameters:

a = 113.89552

b = 617.01055

c = 7.62524

d = 0.78888

Bead 331 (Rejected)

Date : Mon Oct 17 13:50:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : 17.3 μm (x), -29.8 μm (y), 4.67 μm (z)

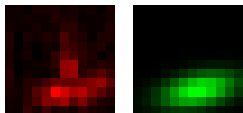
Corresponding bead : Not found

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

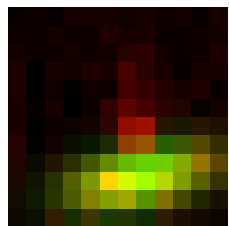
FWHM	Non corrected	Corrected	Theoretical
min	597 nm	622 nm	270 nm
max	1.4 μm	1.46 μm	270 nm
z	2.24 μm	2.24 μm	1.3 μm
Asymmetry	0.426		
Theta	12.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.699$



Parameters:

$A = 121.884$ (brightness)

$B = 122.314$ (background)

$a = 0.082$ px

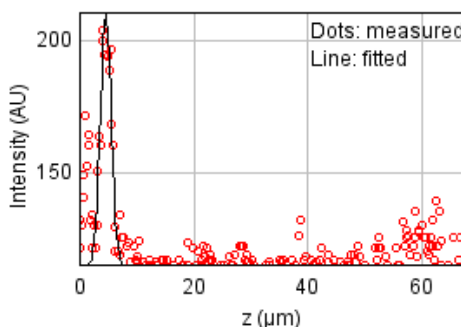
$b = 0.064$ px

$c = 0.363$ px

$x_c = 6.679$ px

$y_c = 8.806$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29262.7429

Standard deviation: 9.76311

$R^2: 0.69140$

Parameters:

$a = 115.44088$

$b = 210.41840$

$c = 4.66650$

$d = 0.94923$

Bead 332 (Rejected)

Date : Mon Oct 17 13:50:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : -94.3 μm (x), -40.2 μm (y), 7.9 μm (z)

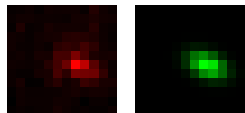
Corresponding bead : Not found

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

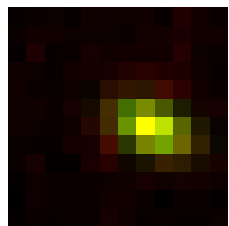
FWHM	Non corrected	Corrected	Theoretical
min	436 nm	454 nm	270 nm
max	713 nm	742 nm	270 nm
z	3.83 μm	3.84 μm	1.3 μm
Asymmetry	0.612		
Theta	-23.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 239.125 (brightness)

B = 120.851 (background)

a = 0.337 px

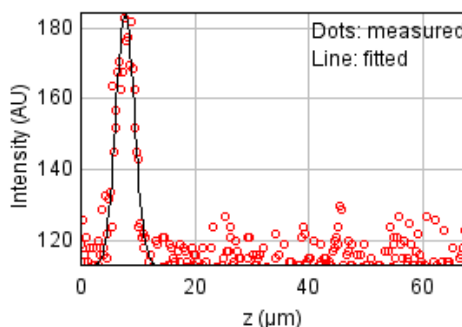
b = -0.164 px

c = 0.633 px

xc = 7.352 px

yc = 6.074 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13526.2498

Standard deviation: 6.63773

R^2 : 0.81921

Parameters:

a = 112.88280

b = 184.42340

c = 7.89799

d = 1.62443

Bead 333 (Rejected)

Date : Mon Oct 17 13:50:49 PDT 2022

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

Frame size : 12 pixels

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

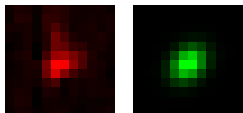
Corresponding bead : Not found

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

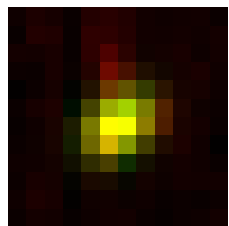
FWHM	Non corrected	Corrected	Theoretical
min	541 nm	563 nm	270 nm
max	704 nm	733 nm	270 nm
z	4.22 μm	4.23 μm	1.3 μm
Asymmetry	0.768		
Theta	45.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.881$



Parameters:

A = 261.700 (brightness)

B = 119.311 (background)

a = 0.367 px

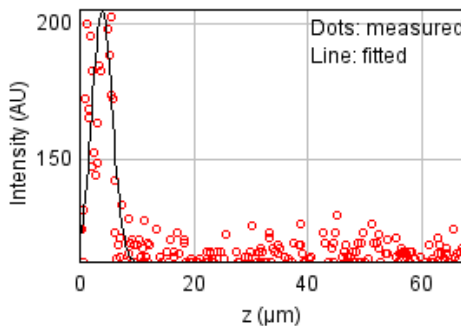
b = 0.094 px

c = 0.362 px

xc = 5.542 px

yc = 5.894 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32631.5056

Standard deviation: 10.30978

R^2 : 0.77398

Parameters:

a = 112.63010

b = 205.01942

c = 4.03310

d = 1.79003

Bead 334 (Rejected)

Date : Mon Oct 17 13:50:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : 159 um (x), -47.4 um (y), 5.54 um (z)

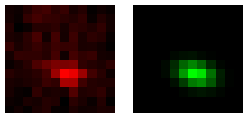
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

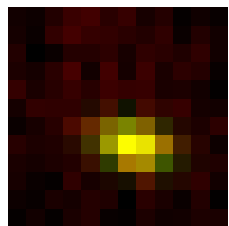
FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	704 nm	733 nm	270 nm
z	3.05 um	3.06 um	1.3 um
Asymmetry	0.616		
Theta	-14.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.796$



Parameters:

A = 89.185 (brightness)

B = 115.633 (background)

a = 0.300 px

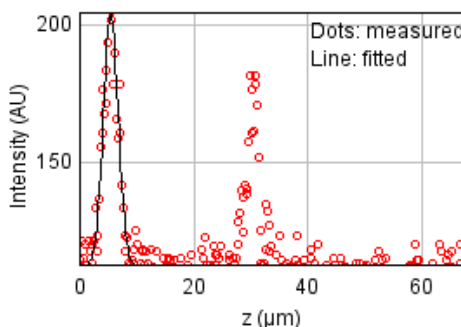
b = -0.110 px

c = 0.684 px

xc = 6.336 px

yc = 7.024 px

Z profile & fitting parameters:



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

Sum of residuals squared: 50415.0676

Standard deviation: 12.81478

R^2 : 0.61676

Parameters:

a = 112.89960

b = 204.27090

c = 5.54413

d = 1.29380

Bead 335 (Rejected)

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

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

Frame size : 12 pixels

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

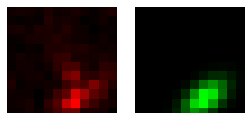
Corresponding bead : Not found

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

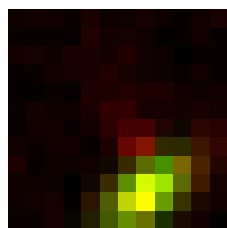
FWHM	Non corrected	Corrected	Theoretical
min	485 nm	505 nm	270 nm
max	886 nm	923 nm	270 nm
z	2.87 μm	2.88 μm	1.3 μm
Asymmetry	0.547		
Theta	39.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.796$



Parameters:

$A = 177.705$ (brightness)

$B = 120.617$ (background)

$a = 0.330$ px

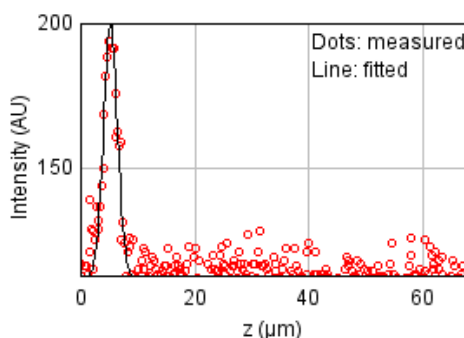
$b = 0.196$ px

$c = 0.412$ px

$xc = 7.068$ px

$yc = 9.487$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 11752.2914

Standard deviation: 6.18717

$R^2: 0.85783$

Parameters:

$a = 112.18190$

$b = 200.04458$

$c = 5.31471$

$d = 1.21766$

Bead 336 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : 38.6 μm (x), -73.5 μm (y), 48.6 μm (z)

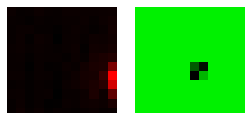
Corresponding bead : Not found

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

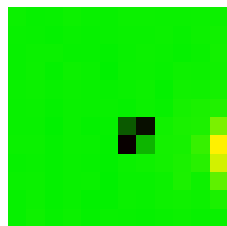
FWHM	Non corrected	Corrected	Theoretical
min	128 nm	133 nm	270 nm
max	153 nm	159 nm	270 nm
z	263 nm	264 nm	1.3 μm
Asymmetry	0.839		
Theta	25.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.001$



Parameters:

A = -315.608 (brightness)

B = 132.714 (background)

a = 6.190 px

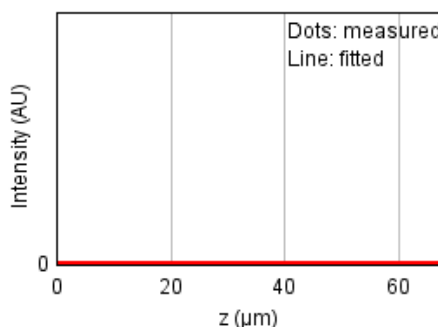
b = 0.929 px

c = 7.738 px

xc = 6.462 px

yc = 6.476 px

Z profile & fitting parameters:



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

Sum of residuals squared: 0.00000E0

Standard deviation: 0.00000E0

R^2 : 0.00000

Parameters:

a = 0.00000E0

b = 0.00000E0

c = -0.11115

d = 0.11151

Bead 337

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

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

Frame size : 12 pixels

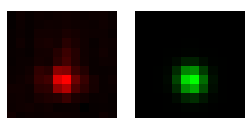
Coordinates : -40.6 μm (x), -85.9 μm (y), 7.26 μm (z)

Corresponding bead : Not found

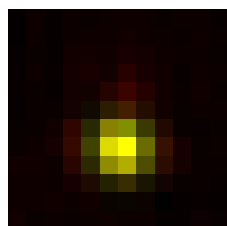
FWHM	Non corrected	Corrected	Theoretical
min	504 nm	525 nm	270 nm
max	536 nm	559 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.94		
Theta	-59.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 534.148 (brightness)

B = 125.366 (background)

a = 0.512 px

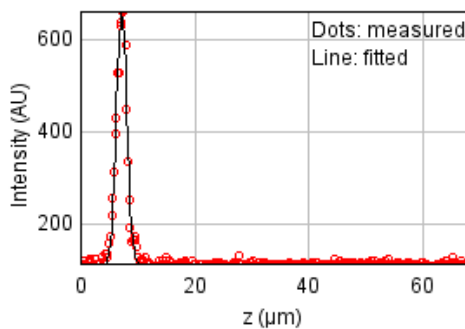
b = -0.027 px

c = 0.483 px

xc = 5.658 px

yc = 7.076 px

Z profile & fitting parameters:



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

Sum of residuals squared: 37931.5370

Standard deviation: 11.11555

R^2 : 0.98197

Parameters:

a = 114.11664

b = 660.46647

c = 7.26460

d = 0.90170

Bead 338

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

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

Frame size : 12 pixels

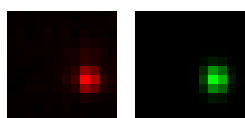
Coordinates : -36.9 μm (x), -87.7 μm (y), 40.5 μm (z)

Corresponding bead : Not found

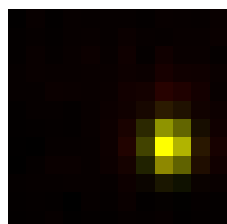
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	476 nm	496 nm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.835		
Theta	-86.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 858.427 (brightness)

B = 126.447 (background)

a = 0.847 px

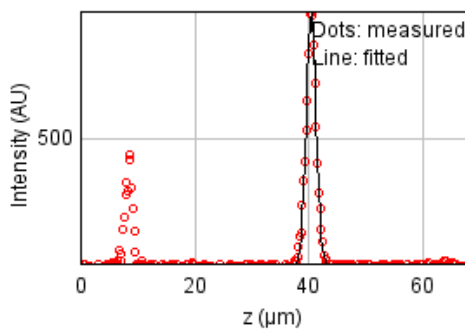
b = -0.015 px

c = 0.592 px

xc = 8.292 px

yc = 6.970 px

Z profile & fitting parameters:



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

Sum of residuals squared: 544547.113

Standard deviation: 42.11614

R^2 : 0.87254

Parameters:

a = 122.53132

b = 879.22120

c = 40.48670

d = 0.84548

Bead 339

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

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

Frame size : 12 pixels

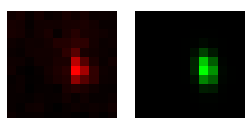
Coordinates : -53.6 μm (x), 93.2 μm (y), 7.47 μm (z)

Corresponding bead : Not found

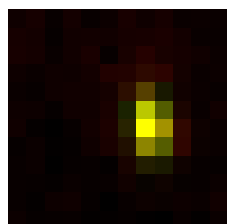
FWHM	Non corrected	Corrected	Theoretical
min	323 nm	336 nm	270 nm
max	556 nm	579 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.581		
Theta	-83.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 378.236 (brightness)

B = 123.476 (background)

a = 1.277 px

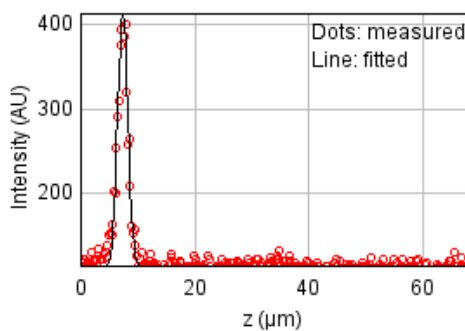
b = -0.103 px

c = 0.447 px

$x_c = 7.267$ px

$y_c = 5.836$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25219.7862

Standard deviation: 9.06362

R^2 : 0.95994

Parameters:

a = 114.79082

b = 412.38896

c = 7.46607

d = 0.88813

Bead 340

Date : Mon Oct 17 13:50:51 PDT 2022

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

Frame size : 12 pixels

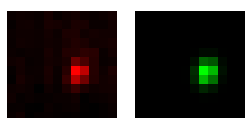
Coordinates : 103 μm (x), 80.1 μm (y), 7.18 μm (z)

Corresponding bead : Not found

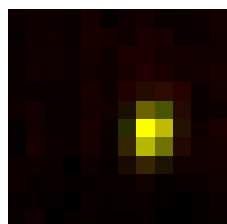
FWHM	Non corrected	Corrected	Theoretical
min	354 nm	369 nm	270 nm
max	463 nm	482 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.765		
Theta	78.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 343.204$ (brightness)

$B = 118.794$ (background)

$a = 1.052$ px

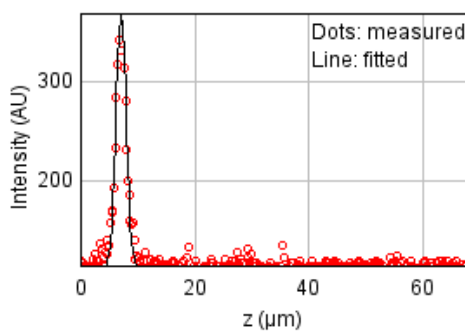
$b = 0.086$ px

$c = 0.644$ px

$x_c = 7.331$ px

$y_c = 6.201$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20481.2485

Standard deviation: 8.16787

$R^2: 0.95531$

Parameters:

$a = 113.44511$

$b = 368.77202$

$c = 7.17661$

$d = 0.87342$

Bead 341

Date : Mon Oct 17 13:50:51 PDT 2022

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

Frame size : 12 pixels

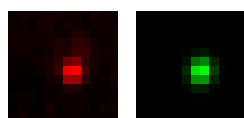
Coordinates : 121 um (x), 73.8 um (y), 7.71 um (z)

Corresponding bead : Not found

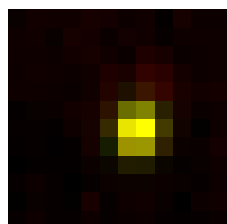
FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	476 nm	496 nm	270 nm
z	2.3 um	2.31 um	1.3 um
Asymmetry	0.858		
Theta	79.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 386.655 (brightness)

B = 121.313 (background)

a = 0.797 px

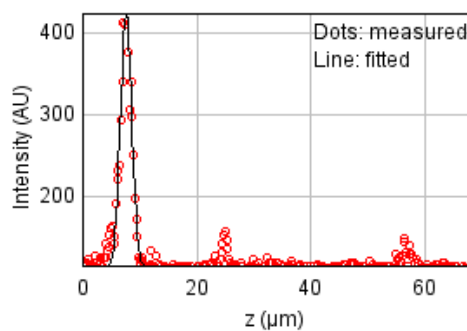
b = 0.037 px

c = 0.599 px

xc = 6.563 px

yc = 6.086 px

Z profile & fitting parameters:



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

Sum of residuals squared: 36675.9021

Standard deviation: 10.93003

R^2 : 0.95093

Parameters:

a = 114.62389

b = 422.91899

c = 7.71170

d = 0.97814

Bead 342

Date : Mon Oct 17 13:50:51 PDT 2022

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

Frame size : 12 pixels

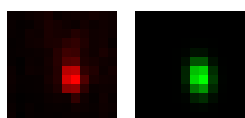
Coordinates : 4.97 μm (x), 66.4 μm (y), 7.39 μm (z)

Corresponding bead : Not found

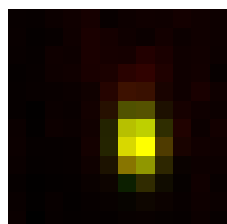
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	421 nm	270 nm
max	611 nm	636 nm	270 nm
z	2.57 μm	2.58 μm	1.3 μm
Asymmetry	0.662		
Theta	-84.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 487.057$ (brightness)

$B = 125.310$ (background)

$a = 0.816$ px

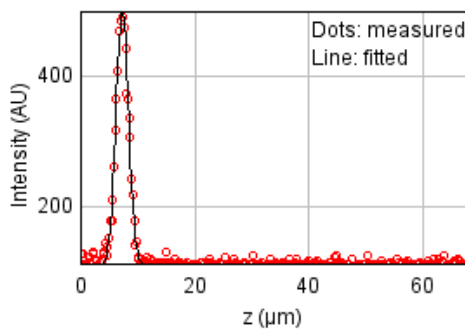
$b = -0.043$ px

$c = 0.364$ px

$x_c = 6.590$ px

$y_c = 6.730$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17540.2730

Standard deviation: 7.55873

$R^2: 0.98588$

Parameters:

$a = 113.75869$

$b = 498.11700$

$c = 7.38664$

$d = 1.09089$

Bead 343 (Rejected)

Date : Mon Oct 17 13:50:51 PDT 2022

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

Frame size : 12 pixels

Coordinates : 158 um (x), 54.4 um (y), 47.5 um (z)

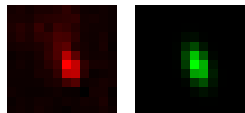
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

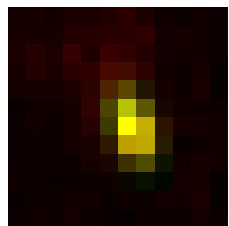
FWHM	Non corrected	Corrected	Theoretical
min	367 nm	382 nm	270 nm
max	672 nm	700 nm	270 nm
z	1.61 um	1.62 um	1.3 um
Asymmetry	0.546		
Theta	-71.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 422.556 (brightness)

B = 122.662 (background)

a = 0.927 px

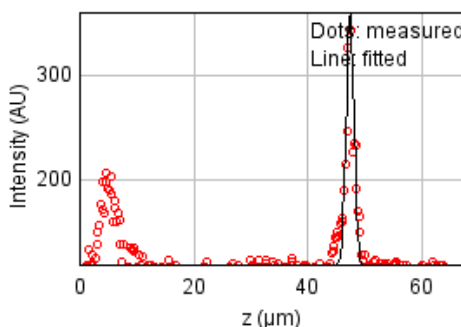
b = -0.212 px

c = 0.369 px

xc = 6.307 px

yc = 6.044 px

Z profile & fitting parameters:



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

Sum of residuals squared: 113086.635

Standard deviation: 19.19272

R^2 : 0.73919

Parameters:

a = 116.70044

b = 362.28198

c = 47.45270

d = 0.68413

Bead 344 (Rejected)

Date : Mon Oct 17 13:50:51 PDT 2022

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

Frame size : 12 pixels

Coordinates : 21.6 μm (x), 50.5 μm (y), 4.25 μm (z)

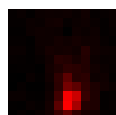
Corresponding bead : Not found

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	2.98 μm	2.99 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

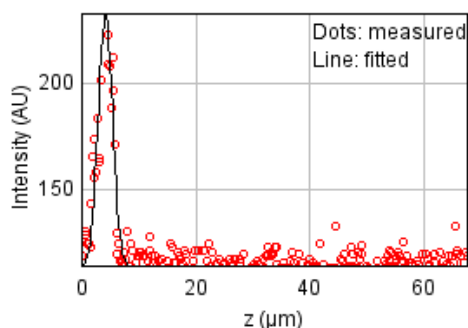
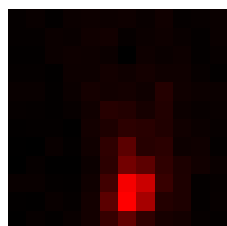
XY profile & fitting parameters :

(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: 17511.6225

Standard deviation: 7.55256

R²: 0.88551

Parameters:

a = 113.94810

b = 233.29641

c = 4.25269

d = 1.26373

Bead 345

Date : Mon Oct 17 13:50:51 PDT 2022

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

Frame size : 12 pixels

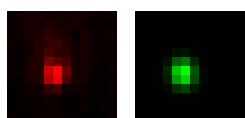
Coordinates : 99.6 μm (x), 13.9 μm (y), 16.4 μm (z)

Corresponding bead : Not found

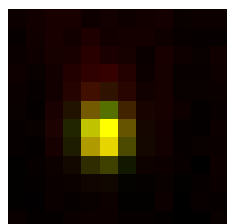
FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	518 nm	539 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.847		
Theta	-82.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 433.427$ (brightness)

$B = 119.146$ (background)

$a = 0.694$ px

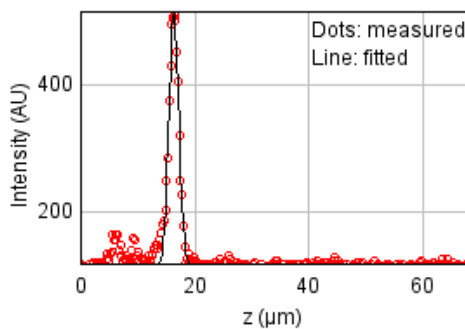
$b = -0.025$ px

$c = 0.504$ px

$x_c = 4.707$ px

$y_c = 6.305$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 45127.8055

Standard deviation: 12.12420

$R^2: 0.95902$

Parameters:

$a = 117.02325$

$b = 517.71068$

$c = 16.41617$

$d = 0.85467$

Bead 346 (Rejected)

Date : Mon Oct 17 13:50:52 PDT 2022

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

Frame size : 12 pixels

Coordinates : 17.2 um (x), -29.7 um (y), 4.67 um (z)

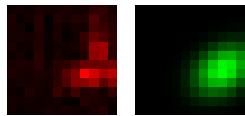
Corresponding bead : Not found

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

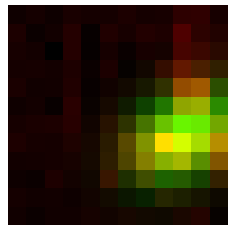
FWHM	Non corrected	Corrected	Theoretical
min	789 nm	822 nm	270 nm
max	1.11 um	1.16 um	270 nm
z	2.24 um	2.24 um	1.3 um
Asymmetry	0.71		
Theta	33.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.704$



Parameters:

A = 118.070 (brightness)

B = 117.943 (background)

a = 0.141 px

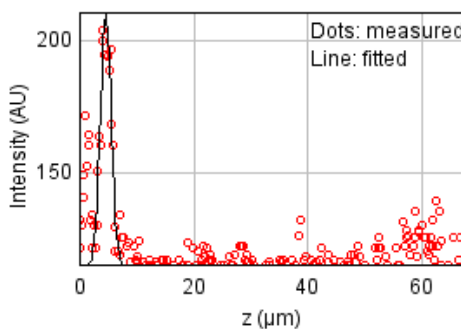
b = 0.049 px

c = 0.183 px

xc = 9.133 px

yc = 6.559 px

Z profile & fitting parameters:



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

Sum of residuals squared: 29262.7429

Standard deviation: 9.76311

R^2 : 0.69140

Parameters:

a = 115.44088

b = 210.41840

c = 4.66650

d = 0.94923

Bead 347 (Rejected)

Date : Mon Oct 17 13:50:52 PDT 2022

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

Frame size : 12 pixels

Coordinates : 37.5 μm (x), -42.0 μm (y), 8.22 μm (z)

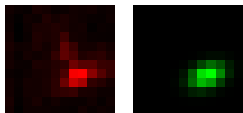
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

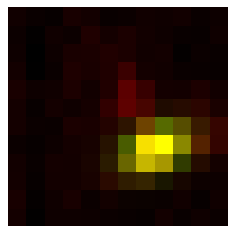
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	436 nm	270 nm
max	651 nm	678 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.642		
Theta	22.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 301.494 (brightness)

B = 125.094 (background)

a = 0.380 px

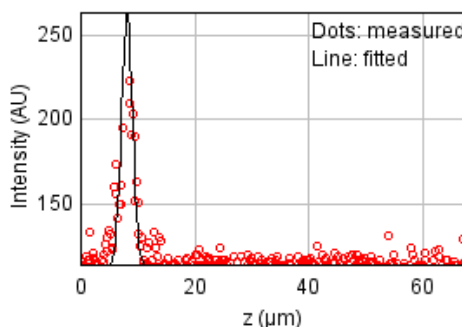
b = 0.157 px

c = 0.704 px

xc = 7.578 px

yc = 7.222 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28587.4067

Standard deviation: 9.64980

R^2 : 0.85075

Parameters:

a = 113.91007

b = 263.70677

c = 8.22432

d = 0.94841

Bead 348

Date : Mon Oct 17 13:50:52 PDT 2022

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

Frame size : 12 pixels

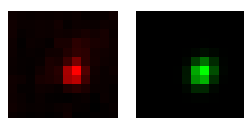
Coordinates : -103 μm (x), -44.6 μm (y), 7.67 μm (z)

Corresponding bead : Not found

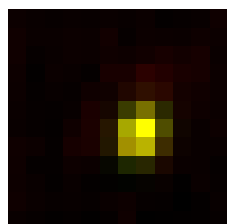
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	494 nm	514 nm	270 nm
z	2.27 μm	2.28 μm	1.3 μm
Asymmetry	0.804		
Theta	68.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 531.124$ (brightness)

$B = 123.714$ (background)

$a = 0.810$ px

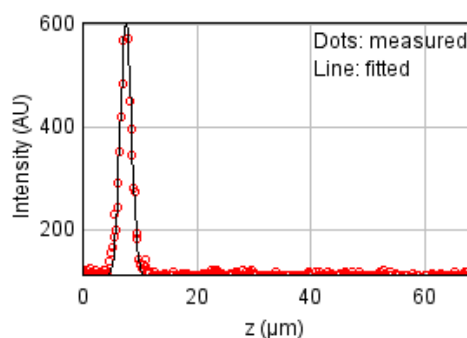
$b = 0.102$ px

$c = 0.591$ px

$x_c = 6.729$ px

$y_c = 6.244$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28187.1936

Standard deviation: 9.58201

$R^2: 0.98427$

Parameters:

$a = 113.23886$

$b = 602.25904$

$c = 7.67173$

$d = 0.96404$

Bead 349 (Rejected)

Date : Mon Oct 17 13:50:52 PDT 2022

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

Frame size : 12 pixels

Coordinates : -95.8 μm (x), -67.2 μm (y), 8.17 μm (z)

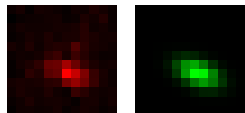
Corresponding bead : Not found

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

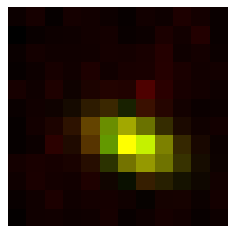
FWHM	Non corrected	Corrected	Theoretical
min	446 nm	464 nm	270 nm
max	798 nm	831 nm	270 nm
z	3.26 μm	3.27 μm	1.3 μm
Asymmetry	0.559		
Theta	-23.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 231.670 (brightness)

B = 120.177 (background)

a = 0.284 px

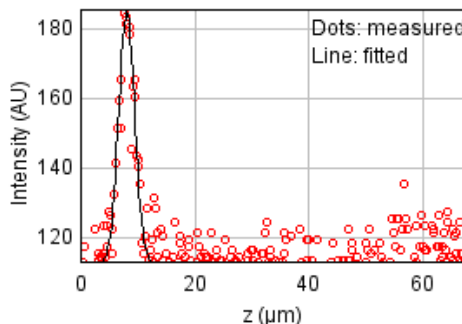
b = -0.169 px

c = 0.602 px

xc = 6.367 px

yc = 6.946 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14196.2048

Standard deviation: 6.80013

R^2 : 0.79272

Parameters:

a = 113.14118

b = 185.59133

c = 8.17009

d = 1.38406

Bead 350 (Rejected)

Date : Mon Oct 17 13:50:52 PDT 2022

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

Frame size : 12 pixels

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

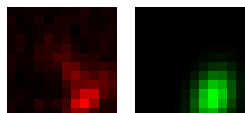
Corresponding bead : Not found

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

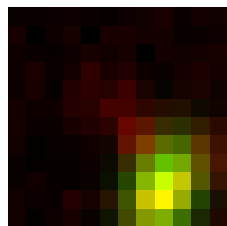
FWHM	Non corrected	Corrected	Theoretical
min	658 nm	686 nm	270 nm
max	984 nm	1.02 um	270 nm
z	3.09 um	3.1 um	1.3 um
Asymmetry	0.669		
Theta	71.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 167.785 (brightness)

B = 122.846 (background)

a = 0.292 px

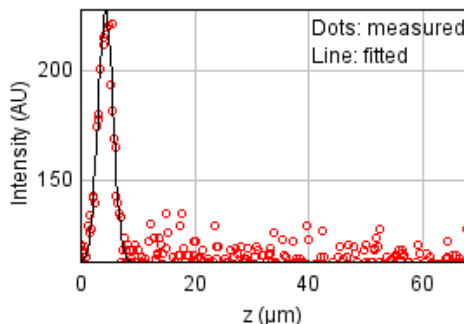
b = 0.052 px

c = 0.156 px

xc = 8.009 px

yc = 9.383 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15352.4874

Standard deviation: 7.07164

R^2 : 0.89549

Parameters:

a = 112.25172

b = 227.84604

c = 4.46190

d = 1.31193

Bead 351 (Rejected)

Date : Mon Oct 17 13:50:52 PDT 2022

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

Frame size : 12 pixels

Coordinates : 39.8 μm (x), -94.5 μm (y), 4.7 μm (z)

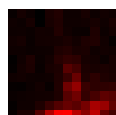
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.74 μm	3.76 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

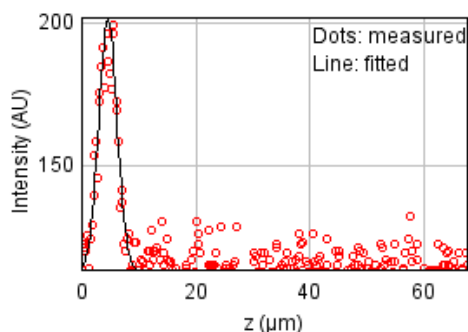
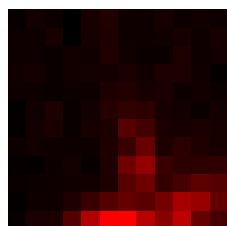
XY profile & fitting parameters :

(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: 13996.3572

Standard deviation: 6.75209

R²: 0.86705

Parameters:

a = 113.79198

b = 201.98568

c = 4.69615

d = 1.58832

Bead 352 (Rejected)

Date : Mon Oct 17 13:50:53 PDT 2022

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

Frame size : 12 pixels

Coordinates : 72.8 μm (x), 92.1 μm (y), 7.38 μm (z)

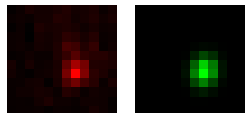
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

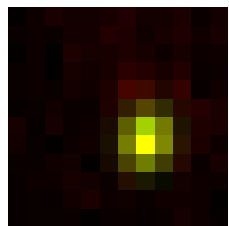
FWHM	Non corrected	Corrected	Theoretical
min	446 nm	465 nm	270 nm
max	549 nm	572 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.812		
Theta	80.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 222.034 (brightness)

B = 117.576 (background)

a = 0.667 px

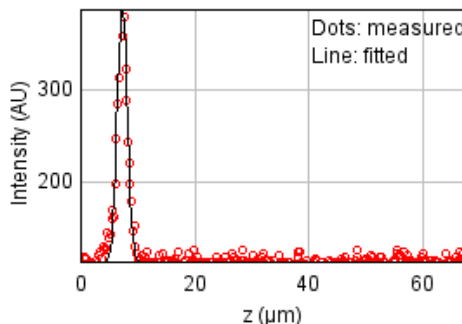
b = 0.039 px

c = 0.451 px

xc = 7.048 px

yc = 6.714 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20536.0214

Standard deviation: 8.17879

R^2 : 0.96086

Parameters:

a = 113.37056

b = 387.11053

c = 7.38100

d = 0.87526

Bead 353

Date : Mon Oct 17 13:50:53 PDT 2022

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

Frame size : 12 pixels

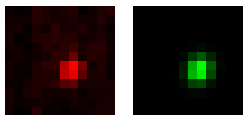
Coordinates : 107 um (x), 70.6 um (y), 6.96 um (z)

Corresponding bead : Not found

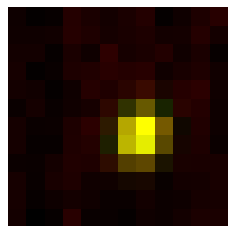
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	438 nm	270 nm
max	499 nm	520 nm	270 nm
z	2.48 um	2.49 um	1.3 um
Asymmetry	0.842		
Theta	70.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 219.259 (brightness)

B = 119.755 (background)

a = 0.734 px

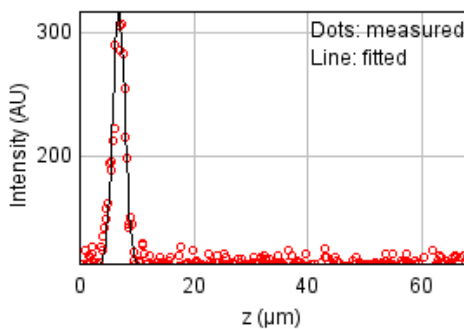
b = 0.071 px

c = 0.564 px

xc = 6.736 px

yc = 6.472 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19173.4521

Standard deviation: 7.90280

R^2 : 0.94650

Parameters:

a = 112.22823

b = 318.09309

c = 6.96273

d = 1.05122

Bead 354

Date : Mon Oct 17 13:50:53 PDT 2022

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

Frame size : 12 pixels

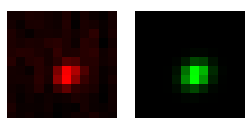
Coordinates : 158 μm (x), 67.8 μm (y), 7.67 μm (z)

Corresponding bead : Not found

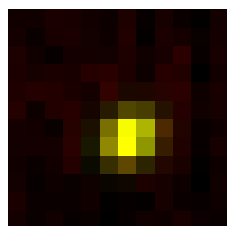
FWHM	Non corrected	Corrected	Theoretical
min	435 nm	454 nm	270 nm
max	514 nm	535 nm	270 nm
z	2.82 μm	2.83 μm	1.3 μm
Asymmetry	0.847		
Theta	35.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 240.129$ (brightness)

$B = 116.315$ (background)

$a = 0.575$ px

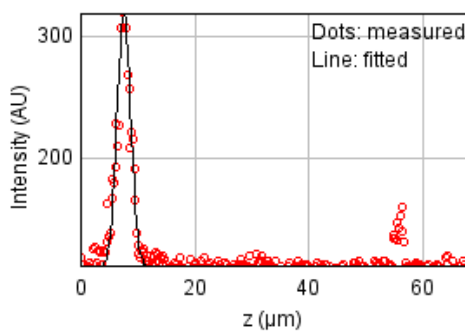
$b = 0.095$ px

$c = 0.640$ px

$xc = 6.130$ px

$yc = 6.487$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 32978.9870

Standard deviation: 10.36453

$R^2: 0.92142$

Parameters:

$a = 111.54147$

$b = 318.22707$

$c = 7.66990$

$d = 1.19886$

Bead 355 (Rejected)

Date : Mon Oct 17 13:50:53 PDT 2022

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

Frame size : 12 pixels

Coordinates : 40.7 μm (x), 63.2 μm (y), 7.66 μm (z)

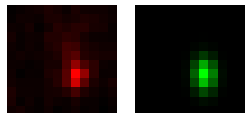
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

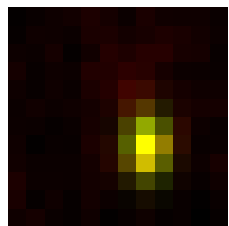
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	614 nm	640 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.648		
Theta	-88.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.892$



Parameters:

A = 272.323 (brightness)

B = 122.851 (background)

a = 0.845 px

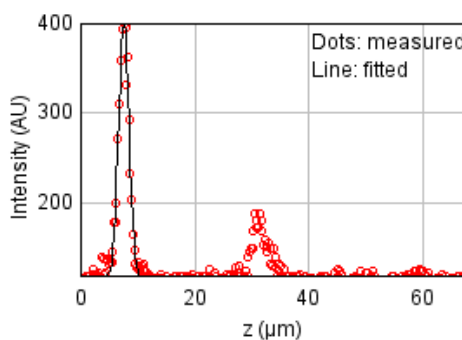
b = -0.011 px

c = 0.356 px

xc = 7.075 px

yc = 7.079 px

Z profile & fitting parameters:



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

Sum of residuals squared: 66820.0137

Standard deviation: 14.75313

R^2 : 0.89315

Parameters:

a = 117.48660

b = 400.44220

c = 7.65834

d = 0.90918

Bead 356 (Rejected)

Date : Mon Oct 17 13:50:53 PDT 2022

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

Frame size : 12 pixels

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

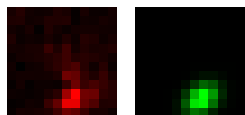
Corresponding bead : Not found

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

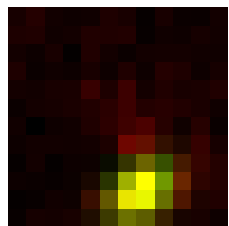
FWHM	Non corrected	Corrected	Theoretical
min	471 nm	490 nm	270 nm
max	651 nm	678 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.723		
Theta	40.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.821$



Parameters:

A = 200.715 (brightness)

B = 122.433 (background)

a = 0.440 px

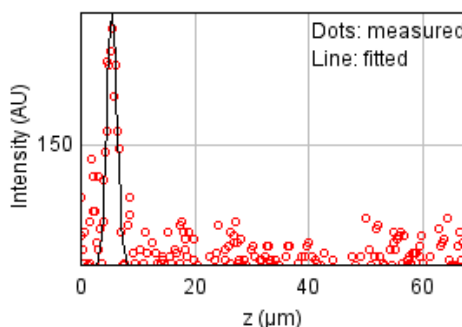
b = 0.143 px

c = 0.483 px

xc = 6.735 px

yc = 9.551 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15672.4376

Standard deviation: 7.14495

R^2 : 0.70276

Parameters:

a = 115.04652

b = 188.30138

c = 5.57671

d = 0.89939

Bead 357 (Rejected)

Date : Mon Oct 17 13:50:53 PDT 2022

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

Frame size : 12 pixels

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

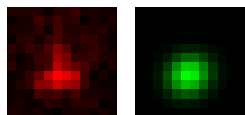
Corresponding bead : Not found

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

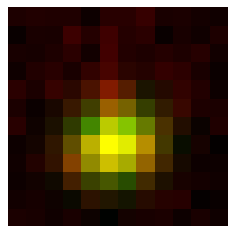
FWHM	Non corrected	Corrected	Theoretical
min	716 nm	745 nm	270 nm
max	800 nm	833 nm	270 nm
z	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.895		
Theta	23.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.821$



Parameters:

A = 117.439 (brightness)

B = 119.696 (background)

a = 0.218 px

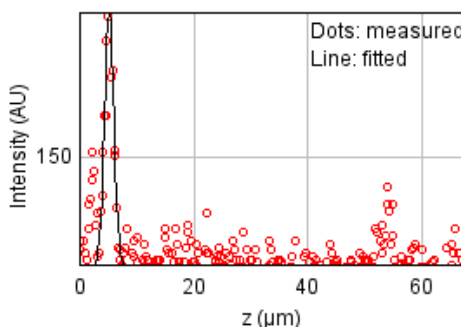
b = 0.019 px

c = 0.253 px

xc = 5.347 px

yc = 6.921 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17741.6546

Standard deviation: 7.60200

R^2 : 0.71053

Parameters:

a = 114.81178

b = 197.74231

c = 5.26337

d = 0.82123

Bead 358 (Rejected)

Date : Mon Oct 17 13:50:54 PDT 2022

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

Frame size : 12 pixels

Coordinates : -32.3 μm (x), 39.3 μm (y), 7.77 μm (z)

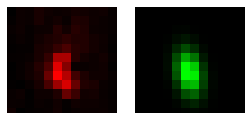
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

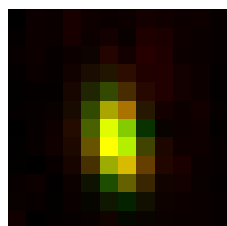
FWHM	Non corrected	Corrected	Theoretical
min	472 nm	492 nm	270 nm
max	844 nm	879 nm	270 nm
z	2.37 μm	2.38 μm	1.3 μm
Asymmetry	0.56		
Theta	-79.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 424.070 (brightness)

B = 122.568 (background)

a = 0.588 px

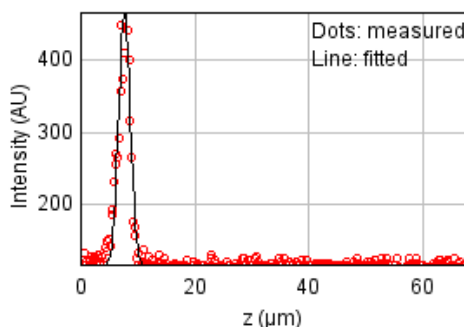
b = -0.074 px

c = 0.202 px

xc = 5.402 px

yc = 6.675 px

Z profile & fitting parameters:



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

Sum of residuals squared: 52988.5586

Standard deviation: 13.13778

R^2 : 0.94765

Parameters:

a = 114.15913

b = 467.48539

c = 7.77017

d = 1.00677

Bead 359

Date : Mon Oct 17 13:50:54 PDT 2022

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

Frame size : 12 pixels

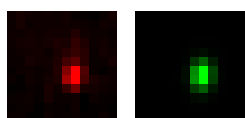
Coordinates : -35.0 μm (x), 36.1 μm (y), 7.4 μm (z)

Corresponding bead : Not found

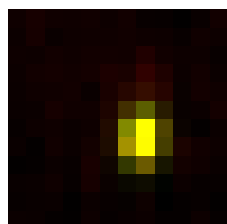
FWHM	Non corrected	Corrected	Theoretical
min	371 nm	386 nm	270 nm
max	516 nm	537 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.719		
Theta	85.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 467.687$ (brightness)

$B = 122.294$ (background)

$a = 0.974$ px

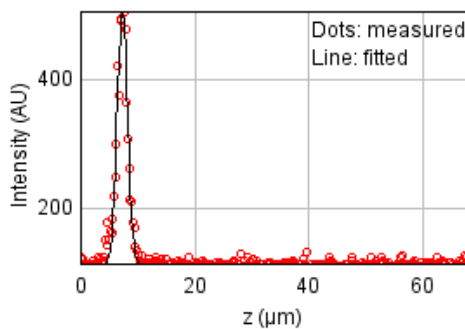
$b = 0.034$ px

$c = 0.507$ px

$x_c = 6.798$ px

$y_c = 6.502$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 30977.1718

Standard deviation: 10.04504

$R^2: 0.97174$

Parameters:

$a = 114.20967$

$b = 505.45437$

$c = 7.40041$

$d = 0.90661$

Bead 360

Date : Mon Oct 17 13:50:54 PDT 2022

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

Frame size : 12 pixels

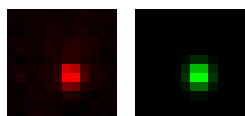
Coordinates : -94.9 μm (x), 14.0 μm (y), 7.56 μm (z)

Corresponding bead : Not found

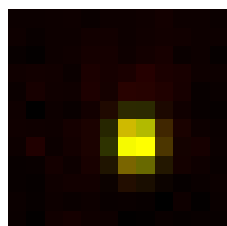
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	473 nm	492 nm	270 nm
z	2.46 μm	2.47 μm	1.3 μm
Asymmetry	0.874		
Theta	-87.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 407.442$ (brightness)

$B = 119.847$ (background)

$a = 0.787$ px

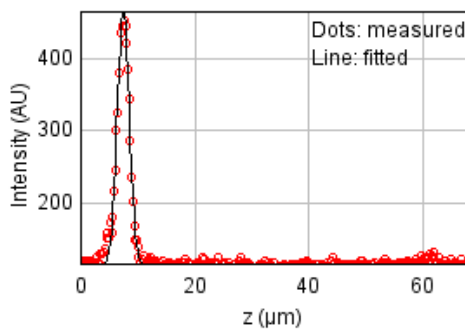
$b = -0.010$ px

$c = 0.601$ px

$x_c = 6.511$ px

$y_c = 6.755$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 15355.5911

Standard deviation: 7.07236

$R^2: 0.98472$

Parameters:

$a = 114.16236$

$b = 466.96989$

$c = 7.56282$

$d = 1.04408$

Bead 361 (Rejected)

Date : Mon Oct 17 13:50:54 PDT 2022

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

Frame size : 12 pixels

Coordinates : 124 um (x), 8.65 um (y), 7.97 um (z)

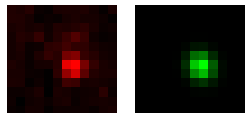
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

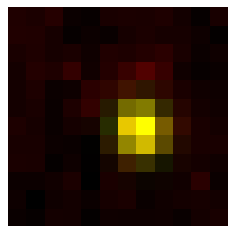
FWHM	Non corrected	Corrected	Theoretical
min	454 nm	472 nm	270 nm
max	517 nm	538 nm	270 nm
z	2.38 um	2.39 um	1.3 um
Asymmetry	0.878		
Theta	-71.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 211.545 (brightness)

B = 117.981 (background)

a = 0.638 px

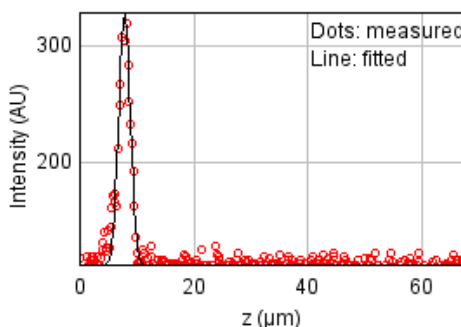
b = -0.044 px

c = 0.517 px

xc = 6.700 px

yc = 6.172 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19599.2774

Standard deviation: 7.99007

R^2 : 0.94806

Parameters:

a = 112.22323

b = 327.75134

c = 7.96614

d = 1.00919

Bead 362 (Rejected)

Date : Mon Oct 17 13:50:54 PDT 2022

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

Frame size : 12 pixels

Coordinates : -27.5 μm (x), -3.63 μm (y), 17.0 μm (z)

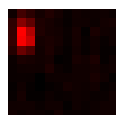
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

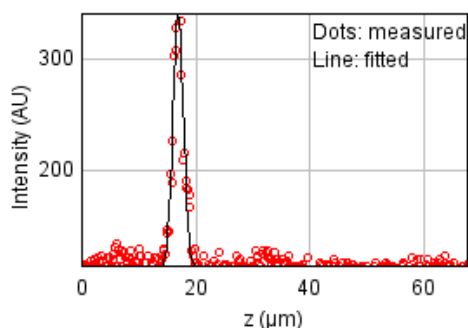
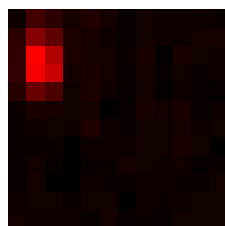
XY profile & fitting parameters :

(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: 25220.8199

Standard deviation: 9.06380

R²: 0.93420

Parameters:

a = 114.51343

b = 340.80139

c = 16.99386

d = 0.91141

Bead 363

Date : Mon Oct 17 13:50:54 PDT 2022

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

Frame size : 12 pixels

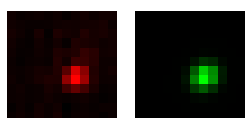
Coordinates : -119 μm (x), -13.0 μm (y), 7.66 μm (z)

Corresponding bead : Not found

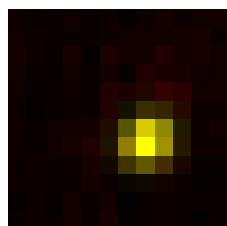
FWHM	Non corrected	Corrected	Theoretical
min	435 nm	453 nm	270 nm
max	491 nm	512 nm	270 nm
z	2.29 μm	2.3 μm	1.3 μm
Asymmetry	0.884		
Theta	44.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 391.195 (brightness)

B = 120.495 (background)

a = 0.630 px

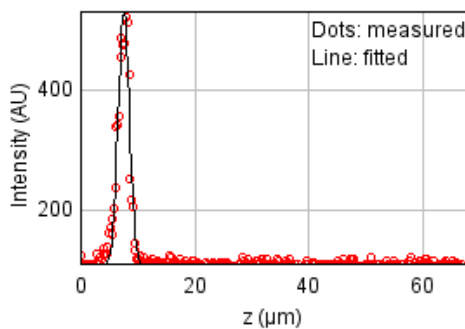
b = 0.077 px

c = 0.636 px

xc = 7.099 px

yc = 6.661 px

Z profile & fitting parameters:



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

Sum of residuals squared: 50432.8290

Standard deviation: 12.81703

R^2 : 0.96256

Parameters:

a = 112.15457

b = 529.90440

c = 7.65683

d = 0.97156

Bead 364

Date : Mon Oct 17 13:50:55 PDT 2022

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

Frame size : 12 pixels

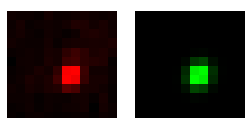
Coordinates : -108 μm (x), -14.1 μm (y), 7.7 μm (z)

Corresponding bead : Not found

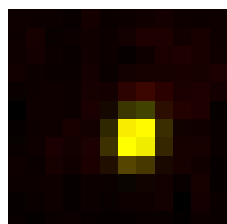
FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	447 nm	465 nm	270 nm
z	2.66 μm	2.67 μm	1.3 μm
Asymmetry	0.867		
Theta	71.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 474.223$ (brightness)

$B = 122.949$ (background)

$a = 0.870$ px

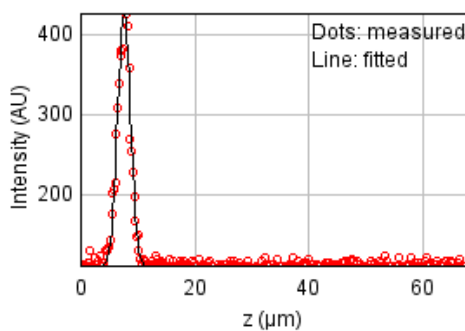
$b = 0.068$ px

$c = 0.695$ px

$x_c = 6.493$ px

$y_c = 6.508$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18291.6944

Standard deviation: 7.71894

$R^2: 0.97879$

Parameters:

$a = 111.43485$

$b = 425.50222$

$c = 7.70057$

$d = 1.12901$

Bead 365 (Rejected)

Date : Mon Oct 17 13:50:55 PDT 2022

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

Frame size : 12 pixels

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

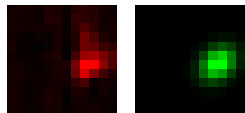
Corresponding bead : Not found

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

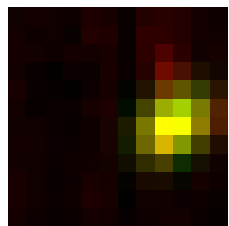
FWHM	Non corrected	Corrected	Theoretical
min	542 nm	565 nm	270 nm
max	705 nm	735 nm	270 nm
z	4.22 μm	4.23 μm	1.3 μm
Asymmetry	0.769		
Theta	46.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.882$



Parameters:

A = 261.959 (brightness)

B = 118.839 (background)

a = 0.368 px

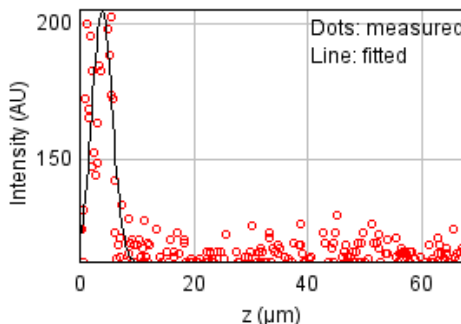
b = 0.093 px

c = 0.358 px

xc = 8.540 px

yc = 5.893 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32631.5056

Standard deviation: 10.30978

R^2 : 0.77398

Parameters:

a = 112.63010

b = 205.01942

c = 4.03310

d = 1.79003

Bead 366 (Rejected)

Date : Mon Oct 17 13:50:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : -98.0 μm (x), -55.3 μm (y), 5.92 μm (z)

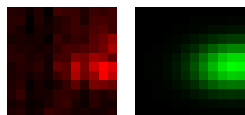
Corresponding bead : Not found

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

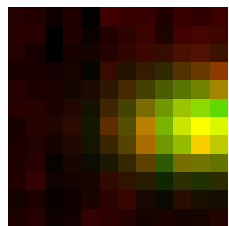
FWHM	Non corrected	Corrected	Theoretical
min	877 nm	913 nm	270 nm
max	1.49 μm	1.55 μm	270 nm
z	1.63 μm	1.64 μm	1.3 μm
Asymmetry	0.59		
Theta	2.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.784$



Parameters:

A = 101.524 (brightness)

B = 115.178 (background)

a = 0.061 px

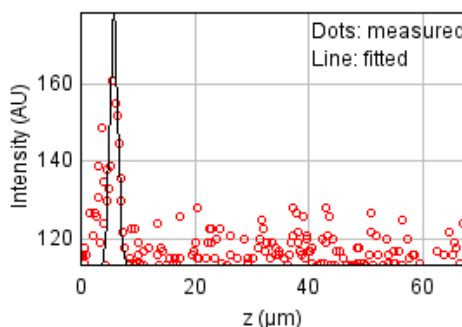
b = 0.005 px

c = 0.174 px

xc = 10.363 px

yc = 5.906 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16726.5832

Standard deviation: 7.38133

R^2 : 0.57731

Parameters:

a = 113.15658

b = 178.28201

c = 5.92049

d = 0.69374

Bead 367 (Rejected)

Date : Mon Oct 17 13:50:55 PDT 2022

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

Frame size : 12 pixels

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

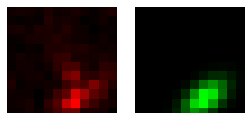
Corresponding bead : Not found

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

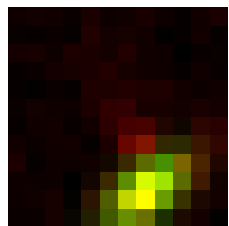
FWHM	Non corrected	Corrected	Theoretical
min	485 nm	505 nm	270 nm
max	886 nm	923 nm	270 nm
z	2.87 μm	2.88 μm	1.3 μm
Asymmetry	0.547		
Theta	39.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.796$



Parameters:

A = 177.705 (brightness)

B = 120.617 (background)

a = 0.330 px

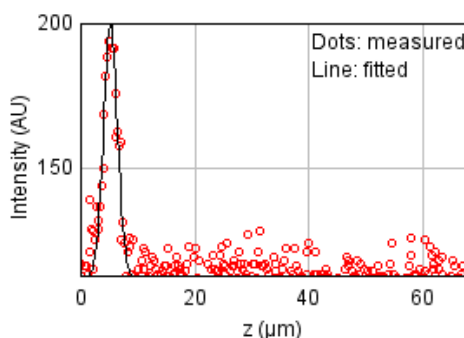
b = 0.196 px

c = 0.412 px

xc = 7.068 px

yc = 9.487 px

Z profile & fitting parameters:



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

Sum of residuals squared: 11752.2914

Standard deviation: 6.18717

R^2 : 0.85783

Parameters:

a = 112.18190

b = 200.04458

c = 5.31471

d = 1.21766

Bead 368

Date : Mon Oct 17 13:50:55 PDT 2022

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

Frame size : 12 pixels

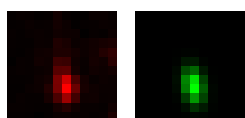
Coordinates : 16.7 μm (x), -68.2 μm (y), 8.0 μm (z)

Corresponding bead : Not found

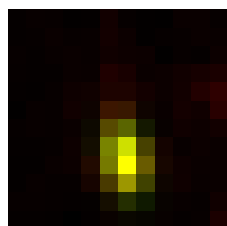
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	658 nm	685 nm	270 nm
z	2.17 μm	2.18 μm	1.3 μm
Asymmetry	0.585		
Theta	-79.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.940$



Parameters:

$A = 718.835$ (brightness)

$B = 133.273$ (background)

$a = 0.886$ px

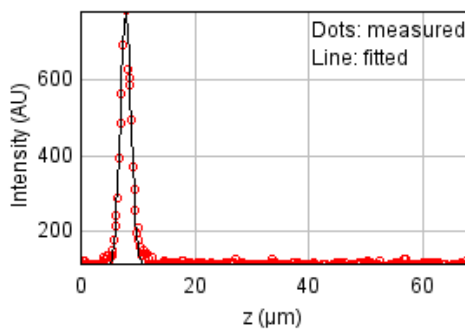
$b = -0.106$ px

$c = 0.330$ px

$x_c = 5.876$ px

$y_c = 7.661$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 50352.1604

Standard deviation: 12.80678

$R^2: 0.98426$

Parameters:

$a = 114.31339$

$b = 781.24158$

$c = 7.99780$

$d = 0.92323$

Bead 369 (Rejected)

Date : Mon Oct 17 13:50:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : 92.3 μm (x), -86.5 μm (y), 7.77 μm (z)

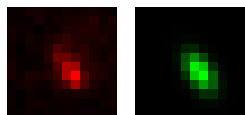
Corresponding bead : Not found

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

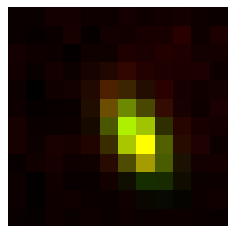
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	437 nm	270 nm
max	748 nm	779 nm	270 nm
z	3.27 μm	3.28 μm	1.3 μm
Asymmetry	0.561		
Theta	-58.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 240.528 (brightness)

B = 117.254 (background)

a = 0.620 px

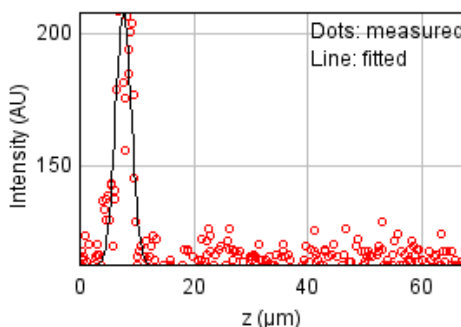
b = -0.232 px

c = 0.381 px

xc = 6.547 px

yc = 6.573 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25928.9838

Standard deviation: 9.19017

R^2 : 0.78425

Parameters:

a = 112.56422

b = 207.86622

c = 7.77401

d = 1.38898

Bead 370

Date : Mon Oct 17 13:50:55 PDT 2022

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

Frame size : 12 pixels

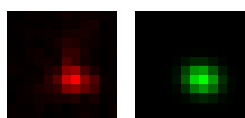
Coordinates : -16.6 μm (x), -87.2 μm (y), 7.38 μm (z)

Corresponding bead : Not found

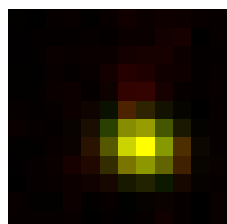
FWHM	Non corrected	Corrected	Theoretical
min	512 nm	533 nm	270 nm
max	631 nm	657 nm	270 nm
z	1.92 μm	1.93 μm	1.3 μm
Asymmetry	0.811		
Theta	-14.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 341.720 (brightness)

B = 119.728 (background)

a = 0.348 px

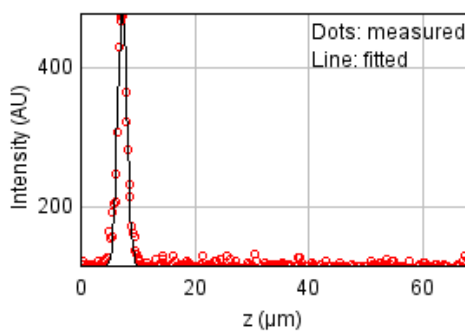
b = -0.042 px

c = 0.502 px

xc = 6.761 px

yc = 6.969 px

Z profile & fitting parameters:



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

Sum of residuals squared: 29617.5262

Standard deviation: 9.82212

R^2 : 0.96608

Parameters:

a = 114.10571

b = 480.01245

c = 7.38341

d = 0.81684

Bead 371 (Rejected)

Date : Mon Oct 17 13:50:56 PDT 2022

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

Frame size : 12 pixels

Coordinates : -55.7 μm (x), 94.2 μm (y), 7.61 μm (z)

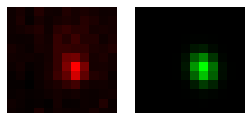
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

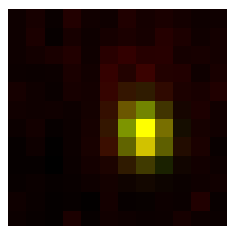
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	547 nm	570 nm	270 nm
z	2.01 μm	2.01 μm	1.3 μm
Asymmetry	0.799		
Theta	-75.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 247.965 (brightness)

B = 122.234 (background)

a = 0.687 px

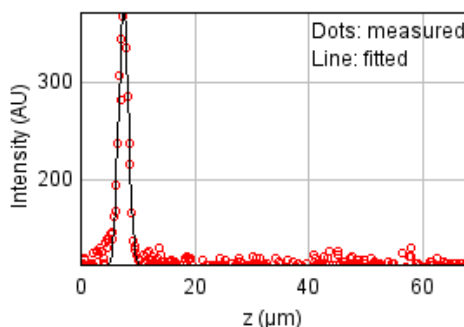
b = -0.061 px

c = 0.464 px

xc = 6.910 px

yc = 6.191 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19435.9924

Standard deviation: 7.95672

R^2 : 0.95728

Parameters:

a = 113.84044

b = 371.56647

c = 7.61244

d = 0.85175

Bead 372

Date : Mon Oct 17 13:50:56 PDT 2022

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

Frame size : 12 pixels

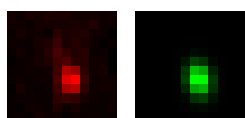
Coordinates : 37.5 μm (x), 79.1 μm (y), 7.77 μm (z)

Corresponding bead : Not found

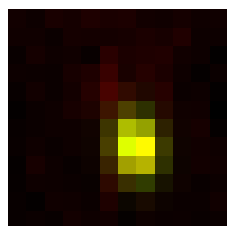
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	601 nm	626 nm	270 nm
z	2.61 μm	2.62 μm	1.3 μm
Asymmetry	0.715		
Theta	-78.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 346.949$ (brightness)

$B = 124.158$ (background)

$a = 0.714$ px

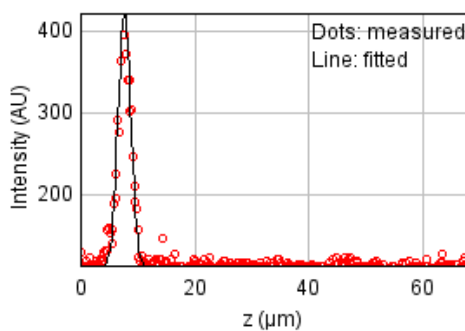
$b = -0.068$ px

$c = 0.385$ px

$x_c = 6.483$ px

$y_c = 6.979$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 30904.2949

Standard deviation: 10.03322

$R^2: 0.96269$

Parameters:

$a = 113.45243$

$b = 421.17525$

$c = 7.77131$

$d = 1.10967$

Bead 373

Date : Mon Oct 17 13:50:56 PDT 2022

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

Frame size : 12 pixels

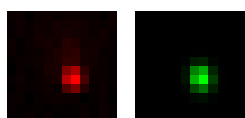
Coordinates : -80.4 μm (x), 73.9 μm (y), 7.84 μm (z)

Corresponding bead : Not found

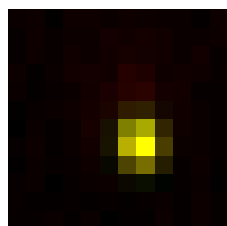
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	466 nm	486 nm	270 nm
z	2.34 μm	2.35 μm	1.3 μm
Asymmetry	0.823		
Theta	-80.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 480.385$ (brightness)

$B = 121.720$ (background)

$a = 0.902$ px

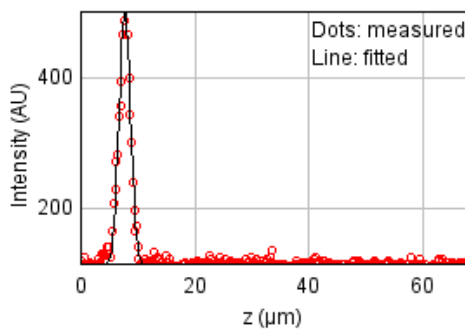
$b = -0.049$ px

$c = 0.626$ px

$x_c = 6.700$ px

$y_c = 6.801$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25230.7084

Standard deviation: 9.06558

$R^2: 0.97844$

Parameters:

$a = 113.95615$

$b = 502.58942$

$c = 7.83673$

$d = 0.99244$

Bead 374 (Rejected)

Date : Mon Oct 17 13:50:56 PDT 2022

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

Frame size : 12 pixels

Coordinates : 101 um (x), 59.3 um (y), 7.35 um (z)

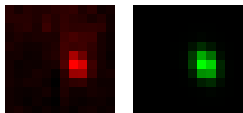
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

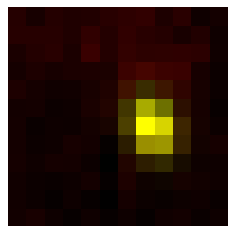
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	545 nm	568 nm	270 nm
z	2.42 um	2.43 um	1.3 um
Asymmetry	0.737		
Theta	-70.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.862$



Parameters:

A = 241.858 (brightness)

B = 125.487 (background)

a = 0.789 px

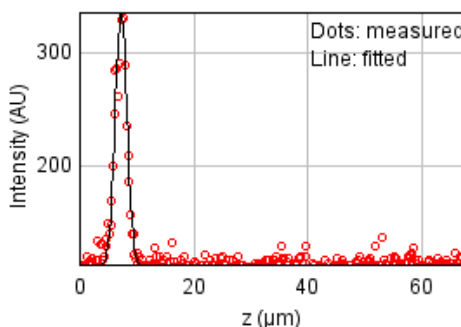
b = -0.118 px

c = 0.492 px

xc = 7.383 px

yc = 5.998 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21881.9708

Standard deviation: 8.44256

R^2 : 0.94685

Parameters:

a = 113.25509

b = 336.19444

c = 7.34948

d = 1.02886

Bead 375

Date : Mon Oct 17 13:50:56 PDT 2022

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

Frame size : 12 pixels

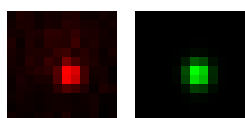
Coordinates : 114 um (x), 58.1 um (y), 7.33 um (z)

Corresponding bead : Not found

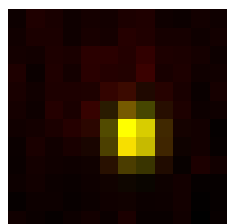
FWHM	Non corrected	Corrected	Theoretical
min	430 nm	448 nm	270 nm
max	478 nm	498 nm	270 nm
z	2.57 um	2.58 um	1.3 um
Asymmetry	0.9		
Theta	-82.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 315.995 (brightness)

B = 122.372 (background)

a = 0.722 px

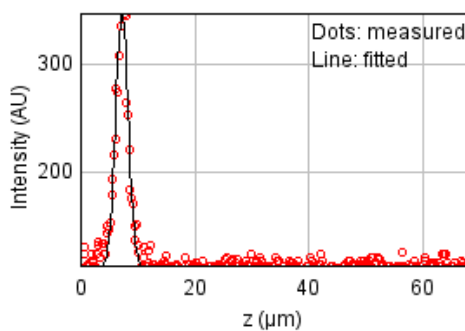
b = -0.018 px

c = 0.589 px

xc = 6.360 px

yc = 6.400 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19048.2372

Standard deviation: 7.87695

R^2 : 0.96023

Parameters:

a = 112.52191

b = 348.03280

c = 7.32711

d = 1.09164

Bead 376

Date : Mon Oct 17 13:50:56 PDT 2022

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

Frame size : 12 pixels

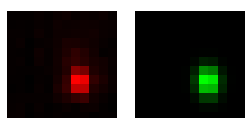
Coordinates : 1.42 μm (x), 2.05 μm (y), 8.13 μm (z)

Corresponding bead : Not found

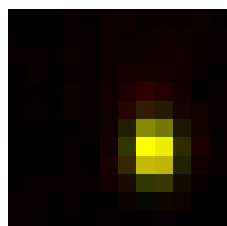
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	420 nm	270 nm
max	538 nm	560 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.749		
Theta	-86.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 741.229 (brightness)

B = 126.453 (background)

a = 0.824 px

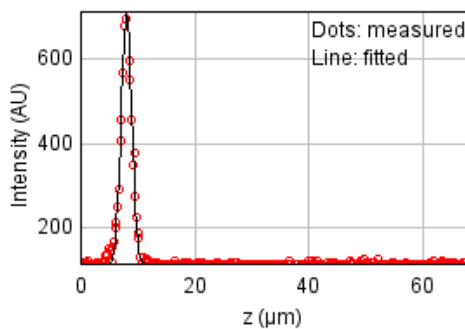
b = -0.023 px

c = 0.465 px

xc = 7.455 px

yc = 7.194 px

Z profile & fitting parameters:



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

Sum of residuals squared: 35478.7169

Standard deviation: 10.75016

R^2 : 0.98601

Parameters:

a = 114.32037

b = 710.61259

c = 8.13284

d = 0.91659

Bead 377

Date : Mon Oct 17 13:50:56 PDT 2022

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

Frame size : 12 pixels

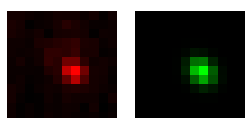
Coordinates : 125 um (x), 969 nm (y), 8.07 um (z)

Corresponding bead : Not found

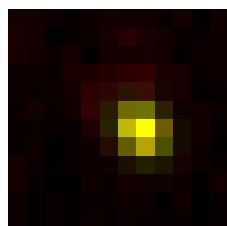
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	513 nm	535 nm	270 nm
z	2.46 um	2.47 um	1.3 um
Asymmetry	0.813		
Theta	-51.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 297.149 (brightness)

B = 117.113 (background)

a = 0.668 px

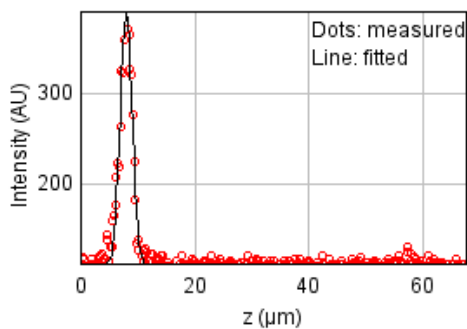
b = -0.128 px

c = 0.613 px

xc = 6.758 px

yc = 6.096 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20288.6883

Standard deviation: 8.12939

R^2 : 0.96818

Parameters:

a = 111.35273

b = 389.93596

c = 8.07497

d = 1.04450

Bead 378 (Rejected)

Date : Mon Oct 17 13:50:56 PDT 2022

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

Frame size : 12 pixels

Coordinates : 159 μm (x), -11.8 μm (y), 6.88 μm (z)

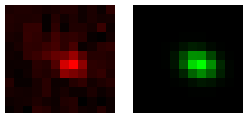
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	461 nm	480 nm	270 nm
max	630 nm	656 nm	270 nm
z	3.3 μm	3.32 μm	1.3 μm
Asymmetry	0.731		
Theta	-17.8°		

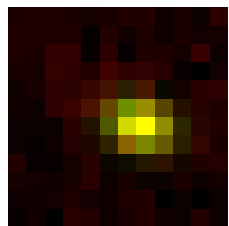
XY profile & fitting parameters :

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



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

$R^2 = 0.840$



Parameters:

A = 114.234 (brightness)

B = 115.300 (background)

a = 0.365 px

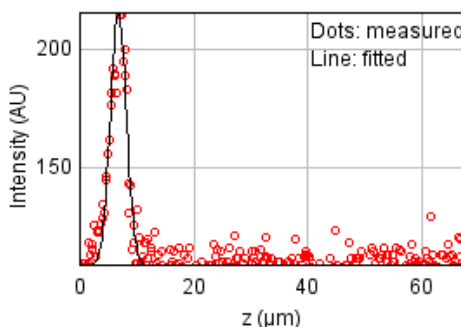
b = -0.086 px

c = 0.604 px

xc = 6.696 px

yc = 5.936 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14257.7661

Standard deviation: 6.81485

R^2 : 0.89247

Parameters:

a = 108.94769

b = 215.24566

c = 6.88321

d = 1.40291

Bead 379

Date : Mon Oct 17 13:50:57 PDT 2022

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

Frame size : 12 pixels

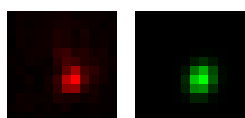
Coordinates : 77.6 μm (x), -30.2 μm (y), 8.25 μm (z)

Corresponding bead : Not found

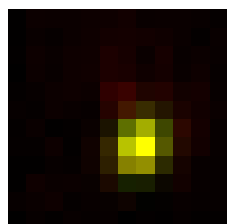
FWHM	Non corrected	Corrected	Theoretical
min	438 nm	457 nm	270 nm
max	545 nm	567 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.805		
Theta	67.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 434.852 (brightness)

B = 121.950 (background)

a = 0.663 px

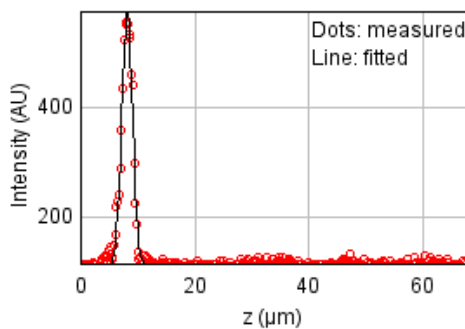
b = 0.086 px

c = 0.487 px

xc = 6.709 px

yc = 6.953 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30018.7953

Standard deviation: 9.88843

R^2 : 0.98076

Parameters:

a = 114.25550

b = 577.78154

c = 8.25381

d = 0.92899

Bead 380

Date : Mon Oct 17 13:50:57 PDT 2022

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

Frame size : 12 pixels

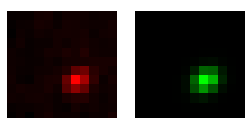
Coordinates : -143 μm (x), -37.3 μm (y), 7.77 μm (z)

Corresponding bead : Not found

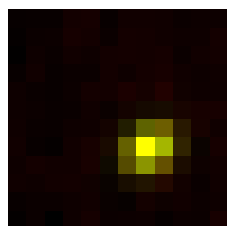
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	494 nm	515 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.804		
Theta	36.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 317.297$ (brightness)

$B = 116.392$ (background)

$a = 0.655$ px

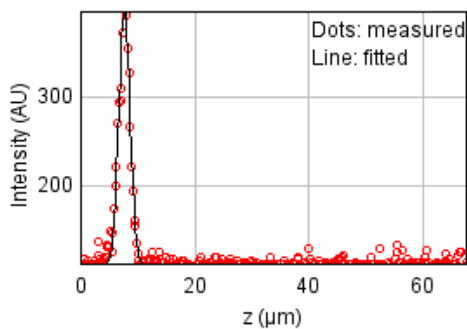
$b = 0.143$ px

$c = 0.744$ px

$x_c = 7.223$ px

$y_c = 7.096$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20783.5111

Standard deviation: 8.22792

$R^2: 0.96740$

Parameters:

$a = 111.40589$

$b = 397.98663$

$c = 7.76908$

$d = 0.98247$

Bead 381 (Rejected)

Date : Mon Oct 17 13:50:57 PDT 2022

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

Frame size : 12 pixels

Coordinates : -116 μm (x), -52.2 μm (y), 5.21 μm (z)

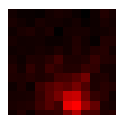
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	4.28 μm	4.3 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

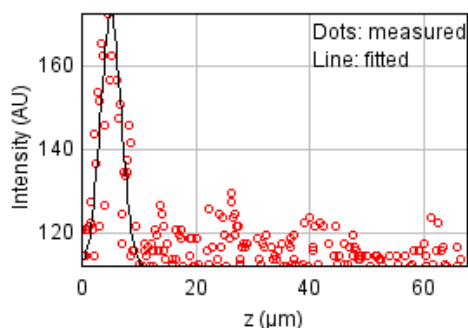
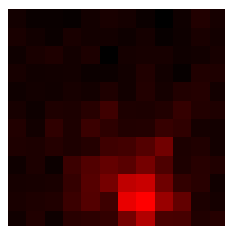
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 17592.9241

Standard deviation: 7.57007

R²: 0.73418

Parameters:

a = 112.19097

b = 172.71556

c = 5.21320

d = 1.81890

Bead 382

Date : Mon Oct 17 13:50:57 PDT 2022

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

Frame size : 12 pixels

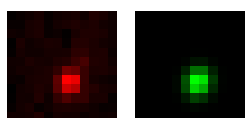
Coordinates : -131 μm (x), -73.9 μm (y), 7.69 μm (z)

Corresponding bead : Not found

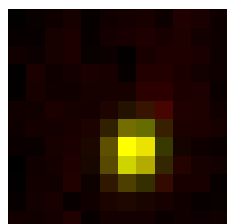
FWHM	Non corrected	Corrected	Theoretical
min	454 nm	473 nm	270 nm
max	524 nm	546 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.865		
Theta	70.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 269.293 (brightness)

B = 117.813 (background)

a = 0.634 px

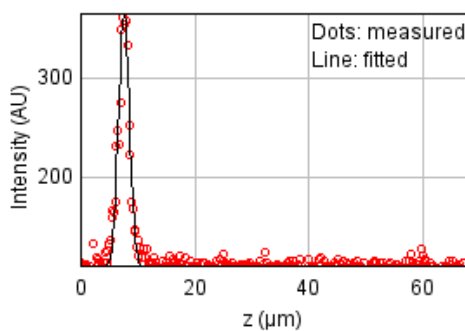
b = 0.051 px

c = 0.506 px

xc = 6.388 px

yc = 7.280 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21325.3828

Standard deviation: 8.33449

R^2 : 0.95610

Parameters:

a = 111.17947

b = 364.26939

c = 7.68903

d = 0.94697

Bead 383 (Rejected)

Date : Mon Oct 17 13:50:57 PDT 2022

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

Frame size : 12 pixels

Coordinates : -160 μm (x), -90.9 μm (y), 7.58 μm (z)

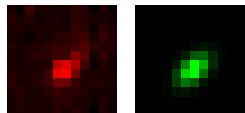
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

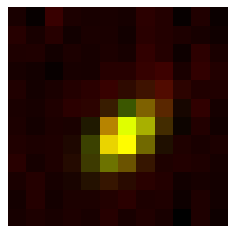
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	434 nm	270 nm
max	687 nm	716 nm	270 nm
z	3.07 μm	3.08 μm	1.3 μm
Asymmetry	0.606		
Theta	43.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 207.462 (brightness)

B = 115.943 (background)

a = 0.513 px

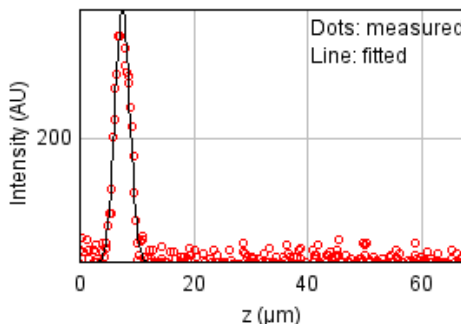
b = 0.244 px

c = 0.544 px

xc = 5.879 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: 14993.5434

Standard deviation: 6.98848

R^2 : 0.95741

Parameters:

a = 109.98763

b = 295.64567

c = 7.58223

d = 1.30230

Bead 384

Date : Mon Oct 17 13:50:58 PDT 2022

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

Frame size : 12 pixels

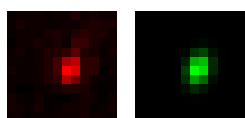
Coordinates : -121 μm (x), -95.1 μm (y), 7.93 μm (z)

Corresponding bead : Not found

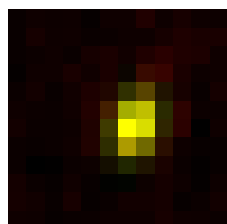
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	574 nm	598 nm	270 nm
z	2.8 μm	2.81 μm	1.3 μm
Asymmetry	0.692		
Theta	72.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 277.901$ (brightness)

$B = 117.894$ (background)

$a = 0.810$ px

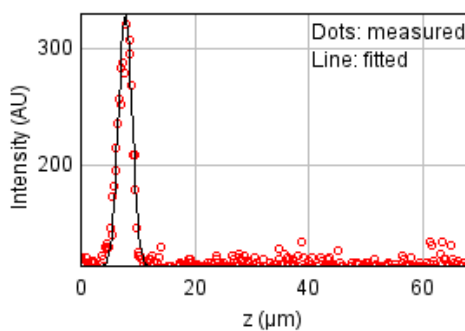
$b = 0.124$ px

$c = 0.445$ px

$x_c = 6.439$ px

$y_c = 5.815$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25057.4060

Standard deviation: 9.03439

$R^2: 0.94405$

Parameters:

$a = 112.91687$

$b = 329.89284$

$c = 7.92655$

$d = 1.18867$

Bead 385 (Rejected)

Date : Mon Oct 17 13:50:58 PDT 2022

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

Frame size : 12 pixels

Coordinates : -66.9 μm (x), 72.3 μm (y), 6.57 μm (z)

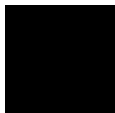
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	4.37 μm	4.39 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

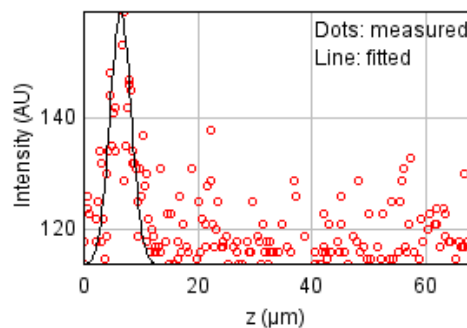
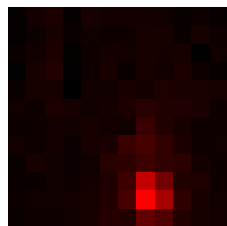
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 20378.6981

Standard deviation: 8.14740

R²: 0.57447

Parameters:

a = 113.75535

b = 158.89860

c = 6.56769

d = 1.85574

Bead 386

Date : Mon Oct 17 13:50:58 PDT 2022

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

Frame size : 12 pixels

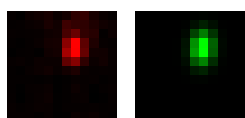
Coordinates : 1.73 μm (x), 68.0 μm (y), 15.0 μm (z)

Corresponding bead : Not found

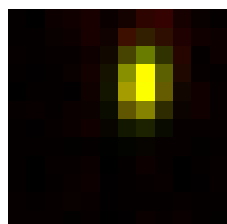
FWHM	Non corrected	Corrected	Theoretical
min	420 nm	437 nm	270 nm
max	626 nm	652 nm	270 nm
z	2.21 μm	2.22 μm	1.3 μm
Asymmetry	0.671		
Theta	85.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 539.191 (brightness)

B = 118.770 (background)

a = 0.759 px

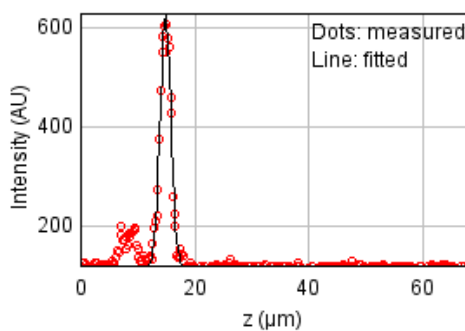
b = 0.033 px

c = 0.345 px

xc = 6.843 px

yc = 3.535 px

Z profile & fitting parameters:



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

Sum of residuals squared: 99521.6605

Standard deviation: 18.00485

R^2 : 0.94968

Parameters:

a = 118.51983

b = 629.38299

c = 14.95429

d = 0.93957

Bead 387 (Rejected)

Date : Mon Oct 17 13:50:58 PDT 2022

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

Frame size : 12 pixels

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

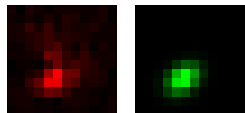
Corresponding bead : Not found

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

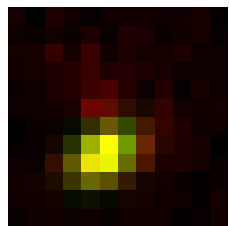
FWHM	Non corrected	Corrected	Theoretical
min	455 nm	474 nm	270 nm
max	636 nm	662 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.715		
Theta	35.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.821$



Parameters:

A = 206.056 (brightness)

B = 122.207 (background)

a = 0.437 px

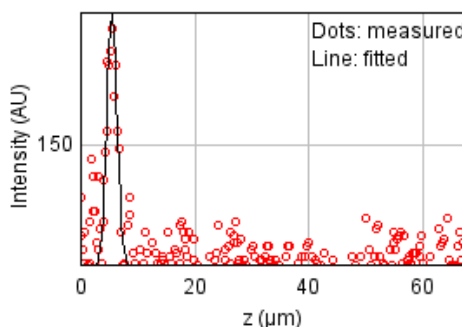
b = 0.149 px

c = 0.543 px

xc = 4.740 px

yc = 7.541 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15672.4376

Standard deviation: 7.14495

R^2 : 0.70276

Parameters:

a = 115.04652

b = 188.30138

c = 5.57671

d = 0.89939

Bead 388 (Rejected)

Date : Mon Oct 17 13:50:59 PDT 2022

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

Frame size : 12 pixels

Coordinates : 155 μm (x), 32.4 μm (y), 5.7 μm (z)

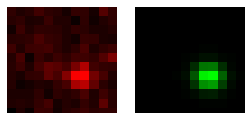
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

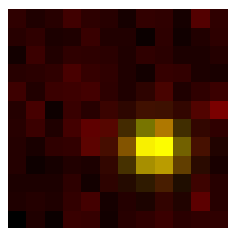
FWHM	Non corrected	Corrected	Theoretical
min	465 nm	484 nm	270 nm
max	519 nm	540 nm	270 nm
z	3.1 μm	3.11 μm	1.3 μm
Asymmetry	0.897		
Theta	-5.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 86.392 (brightness)

B = 115.341 (background)

a = 0.500 px

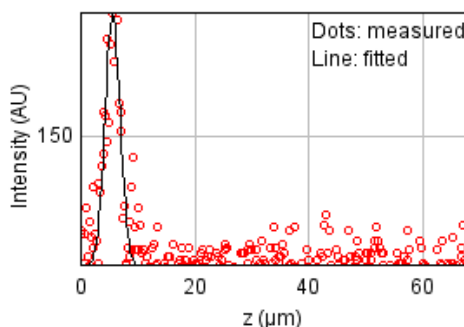
b = -0.012 px

c = 0.619 px

xc = 7.550 px

yc = 7.091 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15247.8414

Standard deviation: 7.04750

R^2 : 0.80030

Parameters:

a = 110.04688

b = 188.72387

c = 5.69614

d = 1.31585

Bead 389

Date : Mon Oct 17 13:50:59 PDT 2022

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

Frame size : 12 pixels

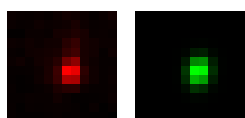
Coordinates : -45.0 μm (x), 9.55 μm (y), 8.45 μm (z)

Corresponding bead : Not found

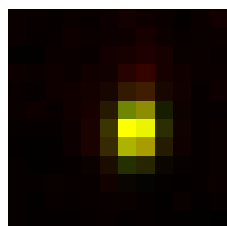
FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	523 nm	545 nm	270 nm
z	2.03 μm	2.04 μm	1.3 μm
Asymmetry	0.772		
Theta	81.8°		

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 = 602.566 (brightness)

B = 123.354 (background)

a = 0.815 px

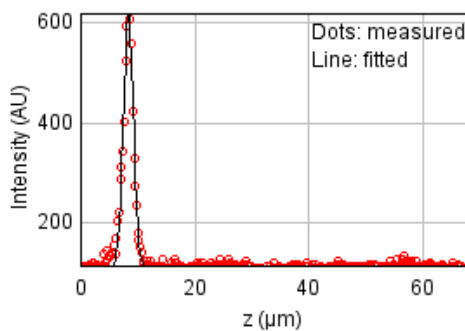
b = 0.047 px

c = 0.497 px

xc = 6.465 px

yc = 6.106 px

Z profile & fitting parameters:



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

Sum of residuals squared: 34611.4636

Standard deviation: 10.61795

R^2 : 0.98005

Parameters:

a = 114.74748

b = 621.17906

c = 8.44855

d = 0.86181

Bead 390 (Rejected)

Date : Mon Oct 17 13:50:59 PDT 2022

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

Frame size : 12 pixels

Coordinates : 146 um (x), -1.61 um (y), 8.17 um (z)

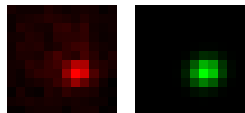
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

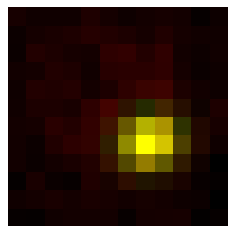
FWHM	Non corrected	Corrected	Theoretical
min	491 nm	512 nm	270 nm
max	560 nm	583 nm	270 nm
z	3.32 um	3.34 um	1.3 um
Asymmetry	0.877		
Theta	18.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 228.303 (brightness)

B = 121.778 (background)

a = 0.441 px

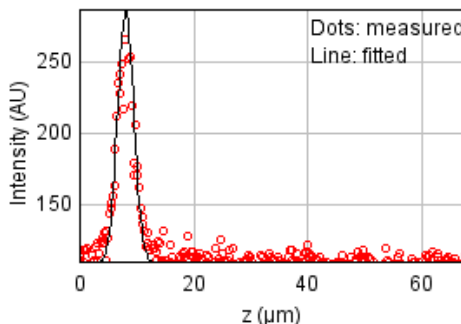
b = 0.039 px

c = 0.543 px

xc = 7.216 px

yc = 6.821 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31982.3997

Standard deviation: 10.20672

R^2 : 0.91030

Parameters:

a = 110.30321

b = 285.87194

c = 8.16764

d = 1.41103

Bead 391 (Rejected)

Date : Mon Oct 17 13:50:59 PDT 2022

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

Frame size : 12 pixels

Coordinates : 156 um (x), -6.11 um (y), 7.51 um (z)

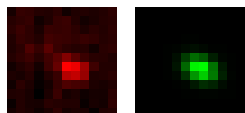
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

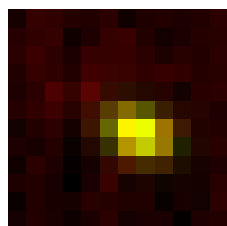
FWHM	Non corrected	Corrected	Theoretical
min	432 nm	449 nm	270 nm
max	615 nm	641 nm	270 nm
z	2.69 um	2.7 um	1.3 um
Asymmetry	0.701		
Theta	-23.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.850$



Parameters:

A = 142.147 (brightness)

B = 115.411 (background)

a = 0.414 px

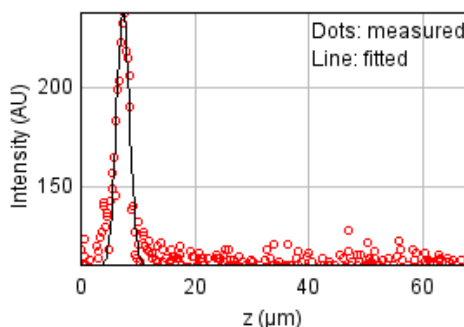
b = -0.136 px

c = 0.660 px

xc = 6.625 px

yc = 6.256 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16011.9157

Standard deviation: 7.22192

R^2 : 0.89817

Parameters:

a = 110.20777

b = 237.94970

c = 7.51342

d = 1.14260

Bead 392

Date : Mon Oct 17 13:50:59 PDT 2022

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

Frame size : 12 pixels

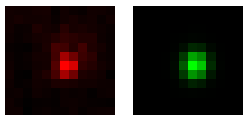
Coordinates : 90.7 μm (x), -17.0 μm (y), 8.25 μm (z)

Corresponding bead : Not found

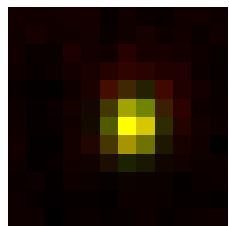
FWHM	Non corrected	Corrected	Theoretical
min	456 nm	475 nm	270 nm
max	523 nm	545 nm	270 nm
z	2.42 μm	2.43 μm	1.3 μm
Asymmetry	0.872		
Theta	84.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 337.082$ (brightness)

$B = 120.394$ (background)

$a = 0.644$ px

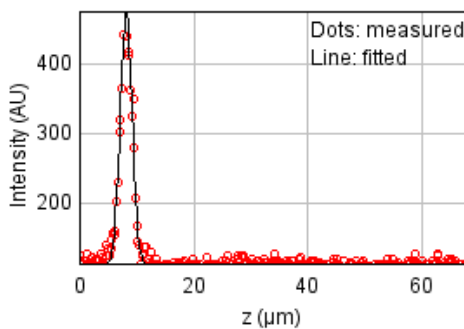
$b = 0.016$ px

$c = 0.493$ px

$x_c = 6.308$ px

$y_c = 5.943$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 31670.0567

Standard deviation: 10.15676

$R^2: 0.97006$

Parameters:

$a = 113.53933$

$b = 475.77409$

$c = 8.25112$

$d = 1.02560$

Bead 393

Date : Mon Oct 17 13:50:59 PDT 2022

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

Frame size : 12 pixels

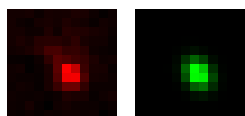
Coordinates : 119 μm (x), -44.5 μm (y), 8.08 μm (z)

Corresponding bead : Not found

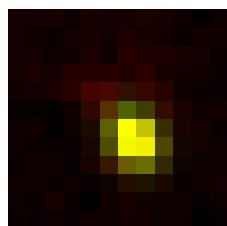
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	465 nm	270 nm
max	564 nm	588 nm	270 nm
z	2.85 μm	2.86 μm	1.3 μm
Asymmetry	0.792		
Theta	-58.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 297.242$ (brightness)

$B = 119.154$ (background)

$a = 0.603$ px

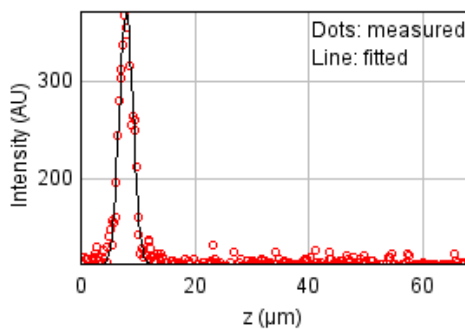
$b = -0.112$ px

$c = 0.491$ px

$x_c = 6.385$ px

$y_c = 6.563$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22221.0701

Standard deviation: 8.50772

$R^2: 0.96538$

Parameters:

$a = 111.87582$

$b = 372.32519$

$c = 8.07544$

$d = 1.21053$

Bead 394 (Rejected)

Date : Mon Oct 17 13:51:00 PDT 2022

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

Frame size : 12 pixels

Coordinates : 159 um (x), -47.4 um (y), 5.54 um (z)

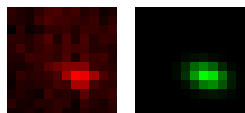
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

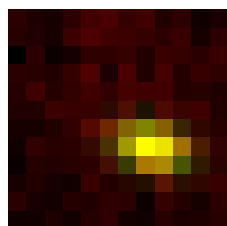
FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	706 nm	735 nm	270 nm
z	3.05 um	3.06 um	1.3 um
Asymmetry	0.615		
Theta	-14.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 89.126 (brightness)

B = 115.572 (background)

a = 0.298 px

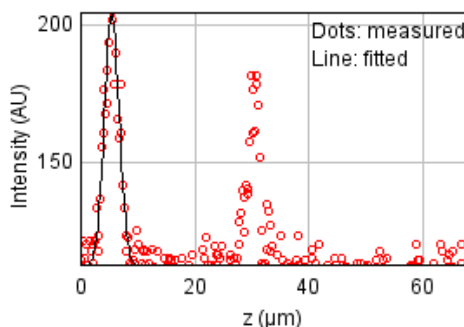
b = -0.109 px

c = 0.682 px

xc = 7.336 px

yc = 7.023 px

Z profile & fitting parameters:



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

Sum of residuals squared: 50415.0676

Standard deviation: 12.81478

R^2 : 0.61676

Parameters:

a = 112.89960

b = 204.27090

c = 5.54413

d = 1.29380

Bead 395 (Rejected)

Date : Mon Oct 17 13:51:00 PDT 2022

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

Frame size : 12 pixels

Coordinates : 117 μm (x), -49.8 μm (y), 8.58 μm (z)

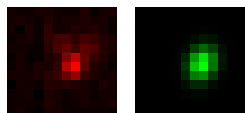
Corresponding bead : Not found

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

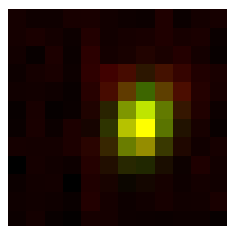
FWHM	Non corrected	Corrected	Theoretical
min	492 nm	512 nm	270 nm
max	645 nm	671 nm	270 nm
z	3.23 μm	3.24 μm	1.3 μm
Asymmetry	0.763		
Theta	70.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 194.346 (brightness)

B = 117.969 (background)

a = 0.529 px

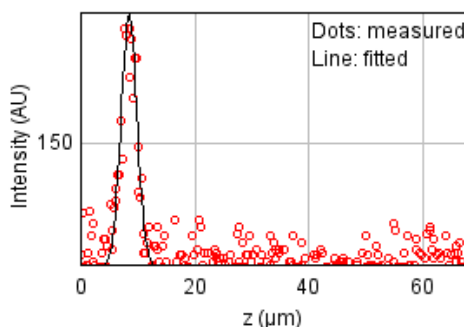
b = 0.074 px

c = 0.349 px

xc = 6.799 px

yc = 5.696 px

Z profile & fitting parameters:



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

Sum of residuals squared: 12750.9470

Standard deviation: 6.44469

R^2 : 0.83396

Parameters:

a = 111.64441

b = 190.67976

c = 8.57529

d = 1.37092

Bead 396 (Rejected)

Date : Mon Oct 17 13:51:00 PDT 2022

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

Frame size : 12 pixels

Coordinates : 151 um (x), -51.5 um (y), 6.29 um (z)

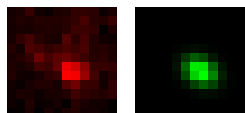
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

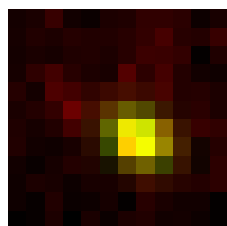
FWHM	Non corrected	Corrected	Theoretical
min	475 nm	495 nm	270 nm
max	623 nm	649 nm	270 nm
z	3.71 um	3.72 um	1.3 um
Asymmetry	0.763		
Theta	-32.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.807$



Parameters:

A = 114.488 (brightness)

B = 112.730 (background)

a = 0.419 px

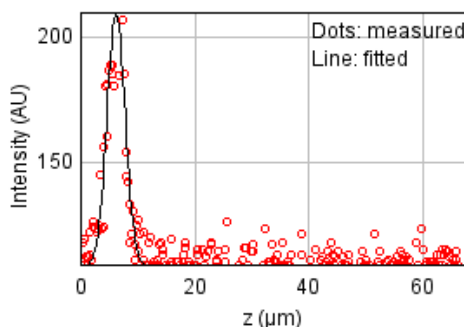
b = -0.113 px

c = 0.522 px

xc = 6.613 px

yc = 6.515 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15150.7662

Standard deviation: 7.02503

R^2 : 0.88588

Parameters:

a = 109.39769

b = 209.89756

c = 6.29064

d = 1.57506

Bead 397

Date : Mon Oct 17 13:51:00 PDT 2022

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

Frame size : 12 pixels

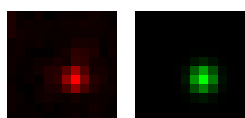
Coordinates : -62.5 μm (x), -67.6 μm (y), 7.83 μm (z)

Corresponding bead : Not found

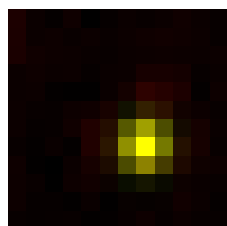
FWHM	Non corrected	Corrected	Theoretical
min	451 nm	470 nm	270 nm
max	484 nm	504 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.931		
Theta	83.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 429.636 (brightness)

B = 125.162 (background)

a = 0.659 px

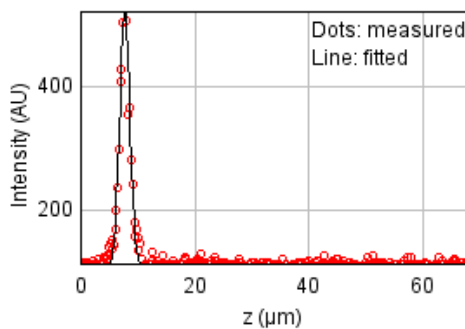
b = 0.009 px

c = 0.573 px

xc = 6.934 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: 33649.7005

Standard deviation: 10.46939

R^2 : 0.97045

Parameters:

a = 114.44812

b = 520.92018

c = 7.83142

d = 0.86974

Bead 398

Date : Mon Oct 17 13:51:00 PDT 2022

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

Frame size : 12 pixels

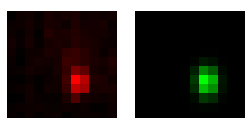
Coordinates : 78.6 μm (x), 76.2 μm (y), 7.95 μm (z)

Corresponding bead : Not found

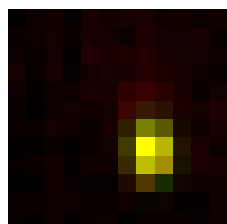
FWHM	Non corrected	Corrected	Theoretical
min	383 nm	399 nm	270 nm
max	528 nm	549 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.726		
Theta	-87.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 270.163 (brightness)

B = 119.694 (background)

a = 0.915 px

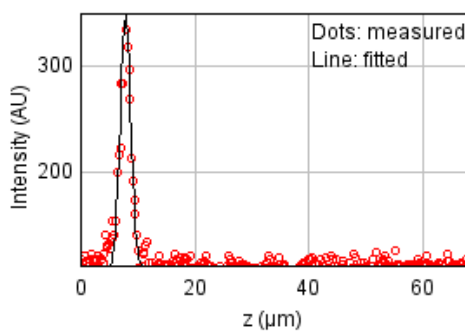
b = -0.019 px

c = 0.483 px

xc = 7.318 px

yc = 7.215 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22026.6877

Standard deviation: 8.47043

R^2 : 0.94565

Parameters:

a = 113.22149

b = 348.47908

c = 7.95453

d = 0.90200

Bead 399

Date : Mon Oct 17 13:51:00 PDT 2022

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

Frame size : 12 pixels

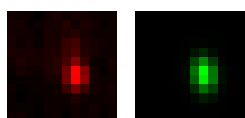
Coordinates : -57.2 μm (x), 68.9 μm (y), 7.98 μm (z)

Corresponding bead : Not found

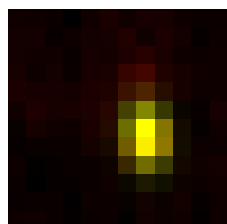
FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	620 nm	646 nm	270 nm
z	2.32 μm	2.33 μm	1.3 μm
Asymmetry	0.653		
Theta	-84.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 384.014 (brightness)

B = 121.394 (background)

a = 0.813 px

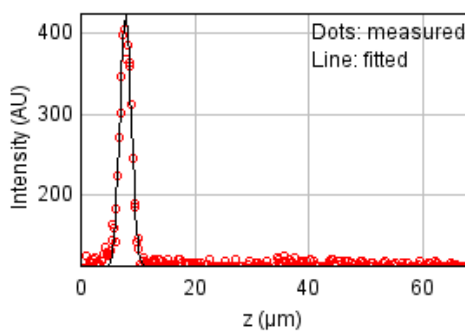
b = -0.049 px

c = 0.354 px

xc = 7.040 px

yc = 6.399 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21742.0376

Standard deviation: 8.41552

R^2 : 0.97079

Parameters:

a = 113.54791

b = 423.48032

c = 7.97978

d = 0.98441

Bead 400

Date : Mon Oct 17 13:51:01 PDT 2022

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

Frame size : 12 pixels

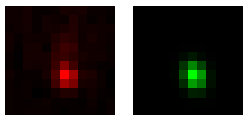
Coordinates : -44.0 μm (x), 68.7 μm (y), 8.43 μm (z)

Corresponding bead : Not found

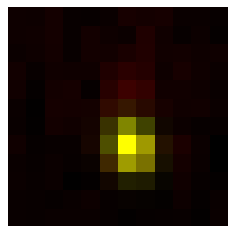
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	499 nm	520 nm	270 nm
z	1.75 μm	1.75 μm	1.3 μm
Asymmetry	0.783		
Theta	-72.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 408.973$ (brightness)

$B = 126.935$ (background)

$a = 0.848$ px

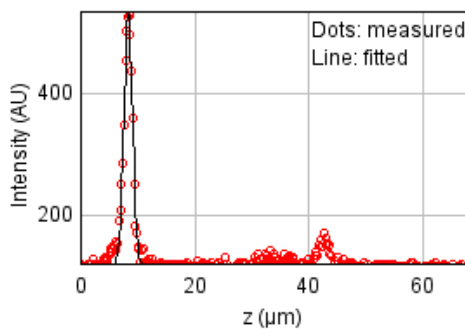
$b = -0.095$ px

$c = 0.567$ px

$x_c = 6.208$ px

$y_c = 7.100$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 43571.6209

Standard deviation: 11.91332

$R^2: 0.95859$

Parameters:

$a = 118.61459$

$b = 537.62450$

$c = 8.42538$

$d = 0.74186$