

Bead 3801 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : 34.4 μm (x), 23.2 μm (y), 58.0 μm (z)

Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.99 μm	4.0 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

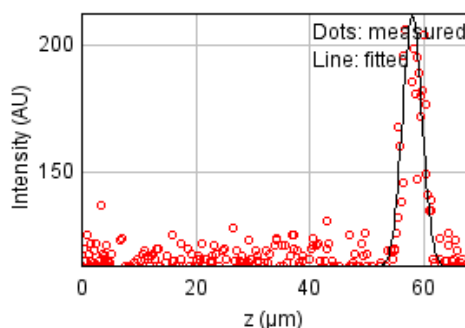
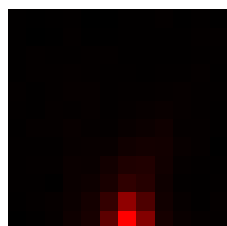
XY profile & fitting parameters :

(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: 24752.0750

Standard deviation: 8.97918

R²: 0.83305

Parameters:

a = 112.58735

b = 212.24258

c = 58.00706

d = 1.69369

Bead 3802 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : 134 μm (x), -47.0 μm (y), 58.4 μm (z)

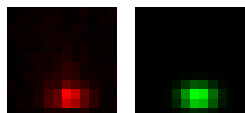
Corresponding bead : Not found

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

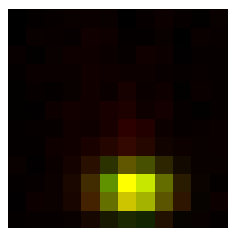
FWHM	Non corrected	Corrected	Theoretical
min	449 nm	468 nm	270 nm
max	642 nm	669 nm	270 nm
z	3.67 μm	3.69 μm	1.3 μm
Asymmetry	0.699		
Theta	-0.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 428.695 (brightness)

B = 122.883 (background)

a = 0.326 px

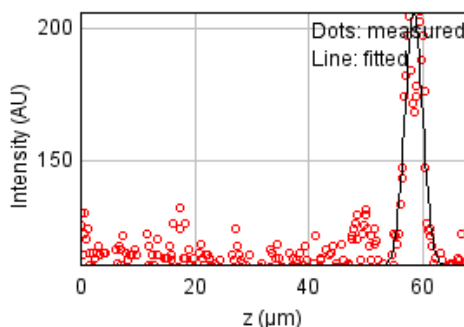
b = -0.001 px

c = 0.666 px

xc = 6.350 px

yc = 9.309 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25119.1496

Standard deviation: 9.04551

R^2 : 0.80747

Parameters:

a = 110.75101

b = 206.30713

c = 58.44786

d = 1.55931

Bead 3803 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : -140 μm (x), -72.9 μm (y), 61.4 μm (z)

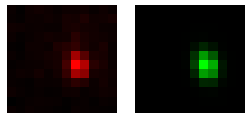
Corresponding bead : Not found

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

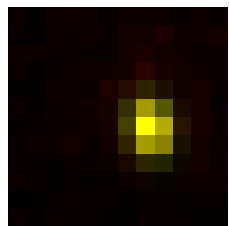
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	533 nm	555 nm	270 nm
z	4.24 μm	4.26 μm	1.3 μm
Asymmetry	0.725		
Theta	-77.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 433.253 (brightness)

B = 117.456 (background)

a = 0.878 px

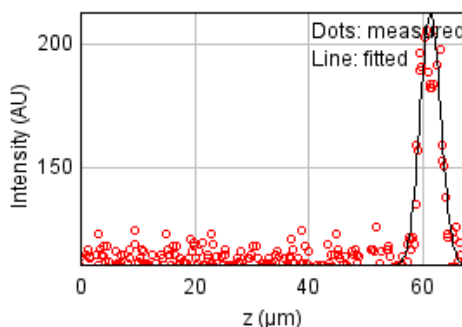
b = -0.089 px

c = 0.492 px

xc = 7.285 px

yc = 6.060 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22342.4474

Standard deviation: 8.53093

R^2 : 0.86103

Parameters:

a = 110.16230

b = 212.76618

c = 61.36253

d = 1.80191

Bead 3804

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

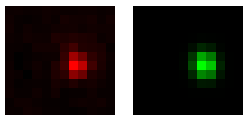
Coordinates : -139 μm (x), -77.3 μm (y), 61.6 μm (z)

Corresponding bead : Not found

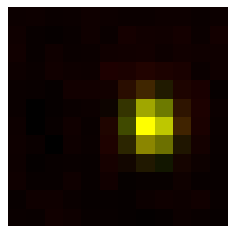
FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	504 nm	524 nm	270 nm
z	2.87 μm	2.89 μm	1.3 μm
Asymmetry	0.84		
Theta	-81.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 395.616$ (brightness)

$B = 116.262$ (background)

$a = 0.745$ px

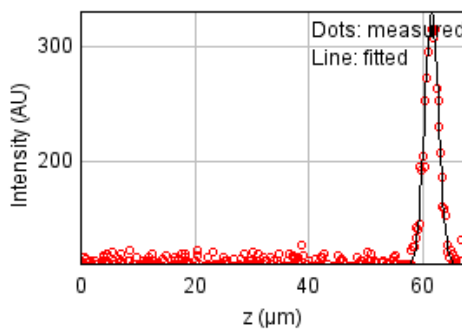
$b = -0.033$ px

$c = 0.534$ px

$x_c = 7.330$ px

$y_c = 5.915$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 15606.9789

Standard deviation: 7.13001

$R^2: 0.96592$

Parameters:

$a = 110.88027$

$b = 330.10028$

$c = 61.58578$

$d = 1.22025$

Bead 3805

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

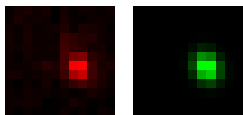
Coordinates : -158 μm (x), -82.2 μm (y), 61.6 μm (z)

Corresponding bead : Not found

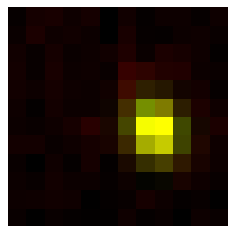
FWHM	Non corrected	Corrected	Theoretical
min	446 nm	465 nm	270 nm
max	550 nm	573 nm	270 nm
z	3.45 μm	3.46 μm	1.3 μm
Asymmetry	0.81		
Theta	-67.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 211.344 (brightness)

B = 112.991 (background)

a = 0.642 px

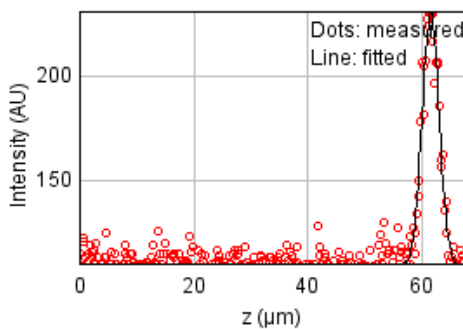
b = -0.081 px

c = 0.476 px

xc = 7.528 px

yc = 6.186 px

Z profile & fitting parameters:



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

Sum of residuals squared: 12451.3501

Standard deviation: 6.36853

R^2 : 0.92646

Parameters:

a = 110.57830

b = 230.53802

c = 61.58461

d = 1.46541

Bead 3806 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : -143 μm (x), -89.5 μm (y), 61.1 μm (z)

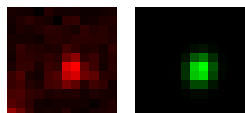
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

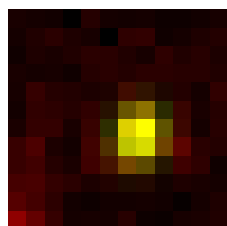
FWHM	Non corrected	Corrected	Theoretical
min	450 nm	469 nm	270 nm
max	539 nm	562 nm	270 nm
z	2.48 μm	2.49 μm	1.3 μm
Asymmetry	0.835		
Theta	76.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.756$



Parameters:

A = 141.409 (brightness)

B = 118.612 (background)

a = 0.651 px

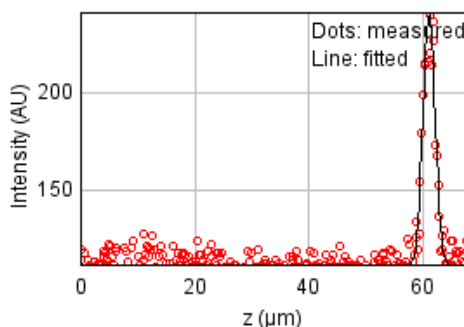
b = 0.044 px

c = 0.472 px

xc = 6.629 px

yc = 6.380 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14333.6908

Standard deviation: 6.83297

R^2 : 0.90470

Parameters:

a = 111.42200

b = 241.64459

c = 61.13531

d = 1.05412

Bead 3807

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

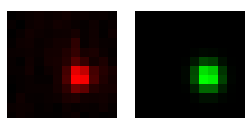
Coordinates : -129 μm (x), -94.0 μm (y), 61.8 μm (z)

Corresponding bead : Not found

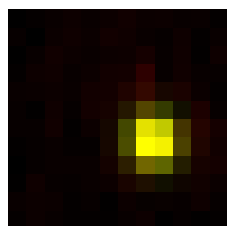
FWHM	Non corrected	Corrected	Theoretical
min	462 nm	481 nm	270 nm
max	509 nm	530 nm	270 nm
z	2.62 μm	2.63 μm	1.3 μm
Asymmetry	0.906		
Theta	-76.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 404.223$ (brightness)

$B = 118.052$ (background)

$a = 0.624$ px

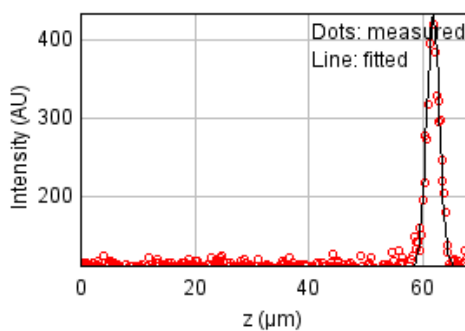
$b = -0.025$ px

$c = 0.523$ px

$x_c = 7.438$ px

$y_c = 6.644$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27322.2425

Standard deviation: 9.43385

$R^2: 0.96973$

Parameters:

$a = 111.47923$

$b = 433.35198$

$c = 61.82627$

$d = 1.11372$

Bead 3808 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : 88.0 μm (x), 32.3 μm (y), 58.1 μm (z)

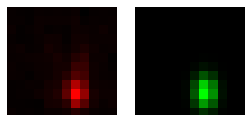
Corresponding bead : Not found

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

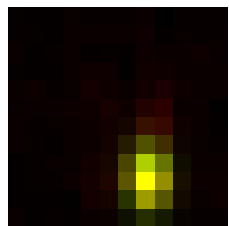
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	613 nm	639 nm	270 nm
z	3.1 μm	3.11 μm	1.3 μm
Asymmetry	0.654		
Theta	89.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 696.170 (brightness)

B = 130.092 (background)

a = 0.834 px

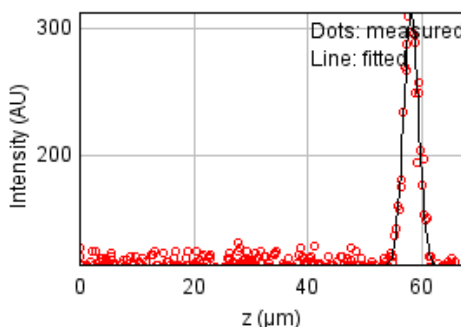
b = 0.002 px

c = 0.357 px

xc = 7.154 px

yc = 8.795 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22505.8706

Standard deviation: 8.56207

R^2 : 0.94578

Parameters:

a = 112.96969

b = 312.42053

c = 58.14253

d = 1.31544

Bead 3809 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : 114 μm (x), 22.2 μm (y), 58.2 μm (z)

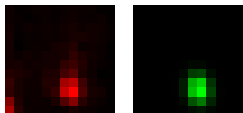
Corresponding bead : Not found

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

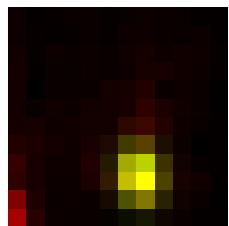
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	532 nm	555 nm	270 nm
z	3.34 μm	3.35 μm	1.3 μm
Asymmetry	0.752		
Theta	-82.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.788$



Parameters:

A = 620.662 (brightness)

B = 139.311 (background)

a = 0.830 px

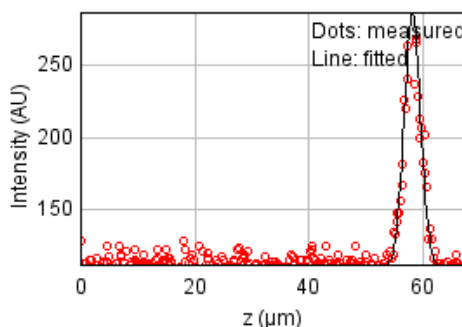
b = -0.048 px

c = 0.480 px

xc = 6.659 px

yc = 8.678 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19063.7386

Standard deviation: 7.88016

R^2 : 0.94461

Parameters:

a = 111.59514

b = 287.00833

c = 58.20770

d = 1.41633

Bead 3810 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : 87.7 um (x), 23.9 um (y), 58.6 um (z)

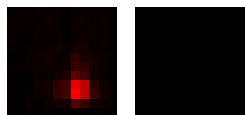
Corresponding bead : Not found

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

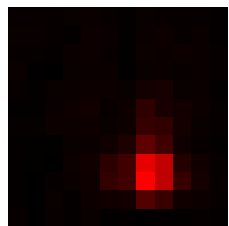
FWHM	Non corrected	Corrected	Theoretical
min	134 nm	140 nm	270 nm
max	263 nm	274 nm	270 nm
z	2.58 um	2.59 um	1.3 um
Asymmetry	0.509		
Theta	3.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.050$



Parameters:

A = -331.409 (brightness)

B = 146.868 (background)

a = 1.955 px

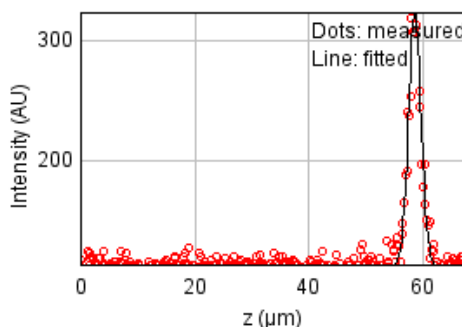
b = 0.290 px

c = 7.461 px

xc = 3.465 px

yc = -4.312 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20559.7838

Standard deviation: 8.18352

R^2 : 0.94799

Parameters:

a = 112.26935

b = 324.64493

c = 58.63370

d = 1.09393

Bead 3811

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

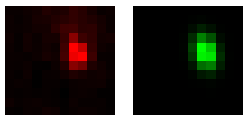
Coordinates : 54.9 μm (x), 14.1 μm (y), 12.4 μm (z)

Corresponding bead : Not found

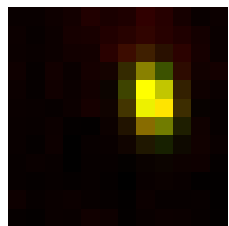
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	619 nm	645 nm	270 nm
z	2.65 μm	2.66 μm	1.3 μm
Asymmetry	0.657		
Theta	-77.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 434.584$ (brightness)

$B = 121.203$ (background)

$a = 0.788$ px

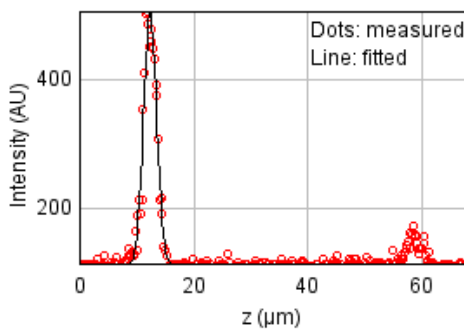
$b = -0.100$ px

$c = 0.373$ px

$x_c = 7.405$ px

$y_c = 4.529$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 63929.6988

Standard deviation: 14.43053

$R^2: 0.95282$

Parameters:

$a = 115.48133$

$b = 504.63440$

$c = 12.42514$

$d = 1.12423$

Bead 3812 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : 142 μm (x), -5.41 μm (y), 58.7 μm (z)

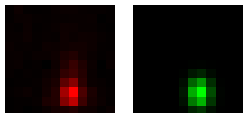
Corresponding bead : Not found

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

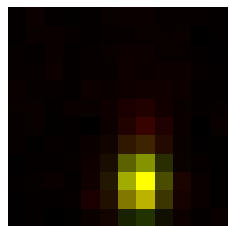
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	545 nm	568 nm	270 nm
z	3.35 μm	3.36 μm	1.3 μm
Asymmetry	0.748		
Theta	89.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 544.472 (brightness)

B = 124.931 (background)

a = 0.806 px

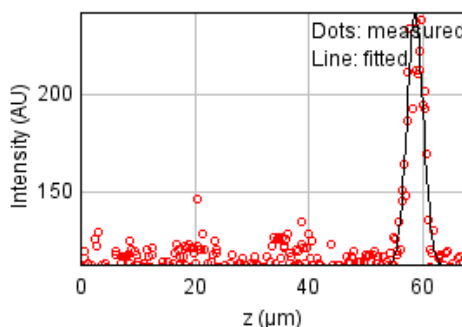
b = 0.004 px

c = 0.452 px

xc = 6.750 px

yc = 9.105 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25710.2270

Standard deviation: 9.15132

R^2 : 0.87408

Parameters:

a = 112.40098

b = 242.09442

c = 58.68166

d = 1.42282

Bead 3813 (Rejected)

Date : Mon Oct 17 13:54:43 PDT 2022

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

Frame size : 12 pixels

Coordinates : -159 μm (x), -34.8 μm (y), 61.0 μm (z)

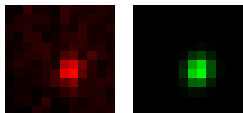
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

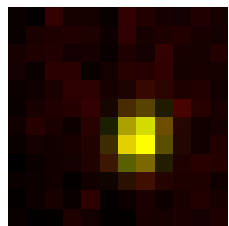
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	456 nm	270 nm
max	521 nm	543 nm	270 nm
z	2.14 μm	2.14 μm	1.3 μm
Asymmetry	0.839		
Theta	71.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.883$



Parameters:

A = 145.985 (brightness)

B = 114.811 (background)

a = 0.681 px

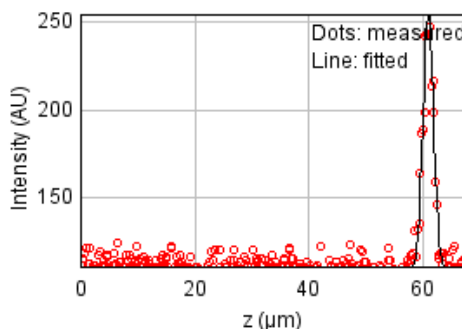
b = 0.062 px

c = 0.514 px

xc = 6.672 px

yc = 6.674 px

Z profile & fitting parameters:



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

Sum of residuals squared: 10719.6882

Standard deviation: 5.90911

R^2 : 0.93088

Parameters:

a = 110.72392

b = 254.76663

c = 60.99958

d = 0.90668

Bead 3814 (Rejected)

Date : Mon Oct 17 13:54:44 PDT 2022

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

Frame size : 12 pixels

Coordinates : -161 um (x), -51.0 um (y), 61.4 um (z)

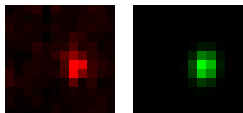
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

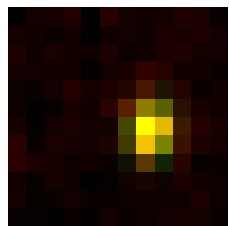
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	424 nm	270 nm
max	528 nm	550 nm	270 nm
z	2.39 um	2.4 um	1.3 um
Asymmetry	0.771		
Theta	83.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 160.391 (brightness)

B = 112.706 (background)

a = 0.804 px

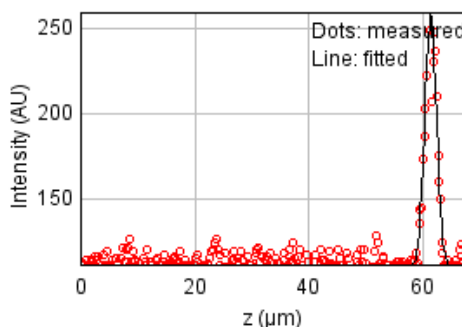
b = 0.034 px

c = 0.485 px

xc = 7.295 px

yc = 6.207 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15738.2607

Standard deviation: 7.15994

R^2 : 0.91526

Parameters:

a = 110.79561

b = 259.07229

c = 61.41503

d = 1.01333

Bead 3815

Date : Mon Oct 17 13:54:44 PDT 2022

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

Frame size : 12 pixels

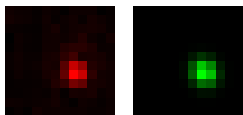
Coordinates : -144 μm (x), -86.7 μm (y), 61.9 μm (z)

Corresponding bead : Not found

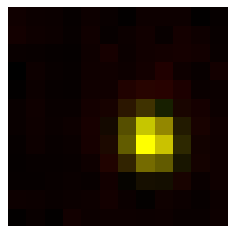
FWHM	Non corrected	Corrected	Theoretical
min	446 nm	465 nm	270 nm
max	501 nm	522 nm	270 nm
z	2.38 μm	2.39 μm	1.3 μm
Asymmetry	0.89		
Theta	-65.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 337.489$ (brightness)

$B = 117.061$ (background)

$a = 0.649$ px

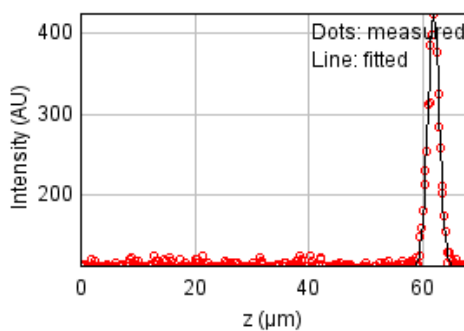
$b = -0.054$ px

$c = 0.559$ px

$x_c = 7.269$ px

$y_c = 6.751$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 13394.3035

Standard deviation: 6.60527

$R^2: 0.98275$

Parameters:

$a = 110.99127$

$b = 425.66669$

$c = 61.91382$

$d = 1.00958$

Bead 3816 (Rejected)

Date : Mon Oct 17 13:54:44 PDT 2022

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

Frame size : 12 pixels

Coordinates : 149 μm (x), -94.3 μm (y), 60.6 μm (z)

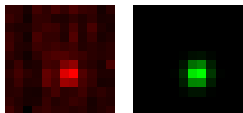
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

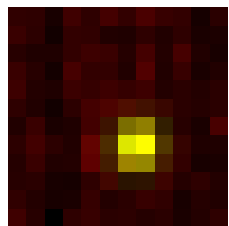
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	456 nm	475 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.899		
Theta	78.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.774$



Parameters:

A = 107.551 (brightness)

B = 111.909 (background)

a = 0.791 px

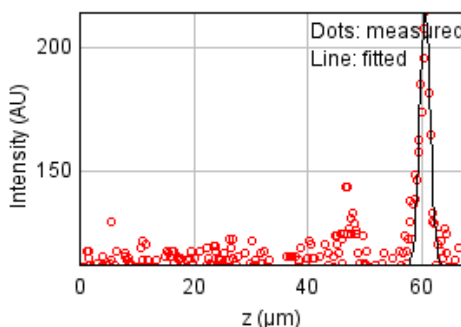
b = 0.031 px

c = 0.651 px

xc = 6.550 px

yc = 7.049 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20688.4745

Standard deviation: 8.20909

R^2 : 0.78034

Parameters:

a = 111.88270

b = 214.35778

c = 60.59709

d = 0.91226

Bead 3817 (Rejected)

Date : Mon Oct 17 13:54:44 PDT 2022

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

Frame size : 12 pixels

Coordinates : -87.1 μm (x), 69.8 μm (y), 59.3 μm (z)

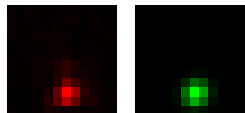
Corresponding bead : Not found

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

FWHM	Non corrected	Corrected	Theoretical
min	433 nm	451 nm	270 nm
max	468 nm	487 nm	270 nm
z	3.77 μm	3.79 μm	1.3 μm
Asymmetry	0.925		
Theta	41.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 575.595$ (brightness)

$B = 124.395$ (background)

$a = 0.658$ px

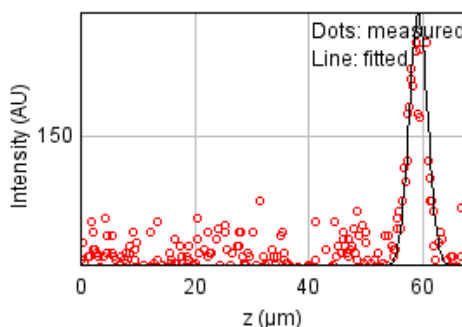
$b = 0.051$ px

$c = 0.672$ px

$xc = 6.126$ px

$yc = 9.177$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 16937.0407

Standard deviation: 7.42762

$R^2 = 0.79432$

Parameters:

$a = 111.99416$

$b = 186.35539$

$c = 59.25787$

$d = 1.60259$

Bead 3818 (Rejected)

Date : Mon Oct 17 13:54:44 PDT 2022

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

Frame size : 12 pixels

Coordinates : -60.7 μm (x), 57.8 μm (y), 59.4 μm (z)

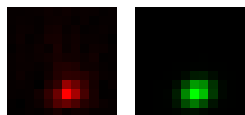
Corresponding bead : Not found

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

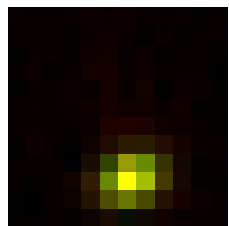
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	464 nm	270 nm
max	561 nm	584 nm	270 nm
z	3.62 μm	3.64 μm	1.3 μm
Asymmetry	0.794		
Theta	23.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 492.792 (brightness)

B = 124.469 (background)

a = 0.467 px

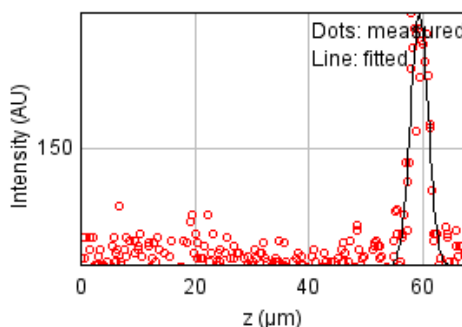
b = 0.092 px

c = 0.637 px

xc = 6.212 px

yc = 8.866 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16249.3670

Standard deviation: 7.27527

R^2 : 0.82137

Parameters:

a = 112.66846

b = 193.64260

c = 59.42478

d = 1.53817

Bead 3819 (Rejected)

Date : Mon Oct 17 13:54:44 PDT 2022

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

Frame size : 12 pixels

Coordinates : 71.0 μm (x), 29.5 μm (y), 58.4 μm (z)

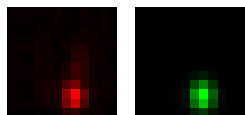
Corresponding bead : Not found

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

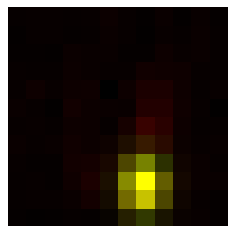
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	531 nm	553 nm	270 nm
z	3.42 μm	3.43 μm	1.3 μm
Asymmetry	0.766		
Theta	89.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 600.007 (brightness)

B = 127.357 (background)

a = 0.811 px

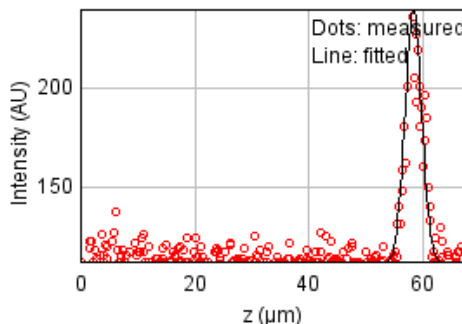
b = 0.003 px

c = 0.476 px

xc = 6.874 px

yc = 9.209 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24126.9444

Standard deviation: 8.86507

R^2 : 0.87731

Parameters:

a = 112.75430

b = 239.10664

c = 58.38096

d = 1.45154

Bead 3820 (Rejected)

Date : Mon Oct 17 13:54:45 PDT 2022

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

Frame size : 12 pixels

Coordinates : -8.9 μm (x), 24.3 μm (y), 59.3 μm (z)

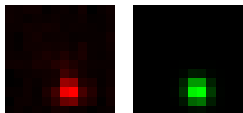
Corresponding bead : Not found

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

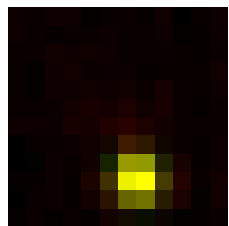
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	453 nm	472 nm	270 nm
z	3.39 μm	3.4 μm	1.3 μm
Asymmetry	0.921		
Theta	-73.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 584.290 (brightness)

B = 125.194 (background)

a = 0.760 px

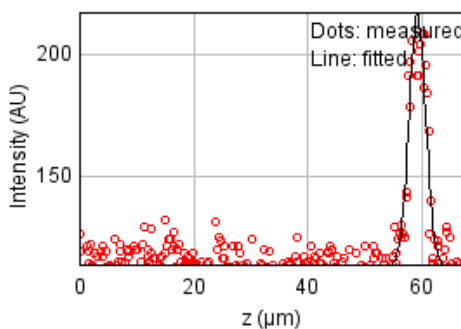
b = -0.032 px

c = 0.662 px

xc = 6.533 px

yc = 8.867 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17122.2956

Standard deviation: 7.46813

R^2 : 0.87025

Parameters:

a = 113.98370

b = 217.47508

c = 59.25782

d = 1.43918

Bead 3821 (Rejected)

Date : Mon Oct 17 13:54:45 PDT 2022

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

Frame size : 12 pixels

Coordinates : 55.5 μm (x), 17.5 μm (y), 59.0 μm (z)

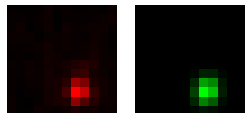
Corresponding bead : Not found

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

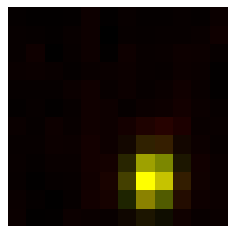
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	418 nm	270 nm
max	490 nm	510 nm	270 nm
z	3.59 μm	3.61 μm	1.3 μm
Asymmetry	0.82		
Theta	79.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 612.875 (brightness)

B = 124.862 (background)

a = 0.823 px

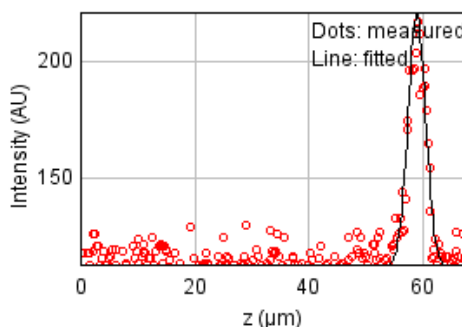
b = 0.047 px

c = 0.568 px

xc = 7.344 px

yc = 8.877 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19150.8078

Standard deviation: 7.89813

R^2 : 0.87318

Parameters:

a = 112.58094

b = 220.54262

c = 58.97624

d = 1.52596

Bead 3822 (Rejected)

Date : Mon Oct 17 13:54:45 PDT 2022

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

Frame size : 12 pixels

Coordinates : 70.6 μm (x), 10.9 μm (y), 59.0 μm (z)

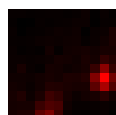
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.87 μm	3.89 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

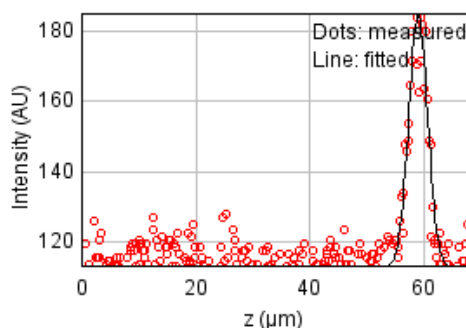
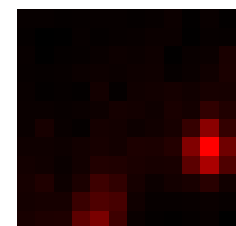
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 12053.6861

Standard deviation: 6.26601

R²: 0.83839

Parameters:

a = 113.11470

b = 184.96548

c = 59.04165

d = 1.64499

Bead 3823 (Rejected)

Date : Mon Oct 17 13:54:45 PDT 2022

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

Frame size : 12 pixels

Coordinates : 150 μm (x), -24.8 μm (y), 59.3 μm (z)

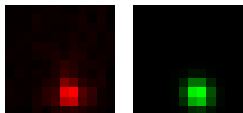
Corresponding bead : Not found

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

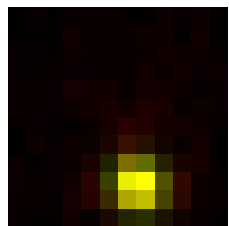
FWHM	Non corrected	Corrected	Theoretical
min	460 nm	479 nm	270 nm
max	498 nm	519 nm	270 nm
z	3.89 μm	3.91 μm	1.3 μm
Asymmetry	0.925		
Theta	-59.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 391.397 (brightness)

B = 118.852 (background)

a = 0.610 px

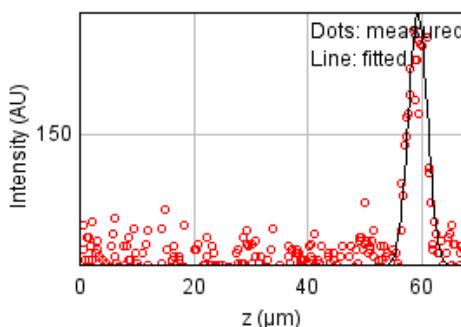
b = -0.040 px

c = 0.564 px

xc = 6.569 px

yc = 9.215 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18393.6282

Standard deviation: 7.74042

R^2 : 0.80656

Parameters:

a = 108.98103

b = 188.35828

c = 59.34104

d = 1.65395

Bead 3824

Date : Mon Oct 17 13:54:45 PDT 2022

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

Frame size : 12 pixels

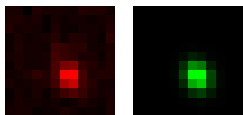
Coordinates : -158 μm (x), -82.2 μm (y), 61.6 μm (z)

Corresponding bead : Not found

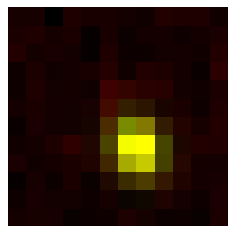
FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	541 nm	563 nm	270 nm
z	3.45 μm	3.46 μm	1.3 μm
Asymmetry	0.813		
Theta	-68.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 212.084 (brightness)

B = 114.383 (background)

a = 0.663 px

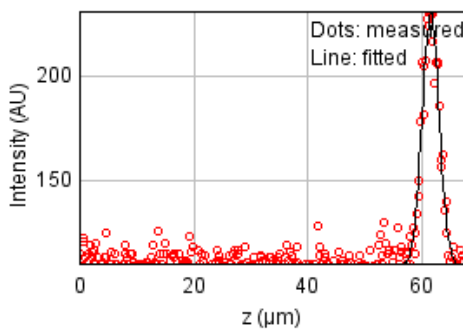
b = -0.081 px

c = 0.491 px

$x_c = 6.530$ px

$y_c = 7.188$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 12451.3501

Standard deviation: 6.36853

R^2 : 0.92646

Parameters:

a = 110.57830

b = 230.53802

c = 61.58461

d = 1.46541

Bead 3825 (Rejected)

Date : Mon Oct 17 13:54:45 PDT 2022

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

Frame size : 12 pixels

Coordinates : -3.4 um (x), -83.1 um (y), 61.1 um (z)

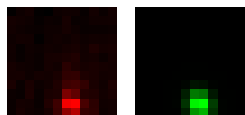
Corresponding bead : Not found

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

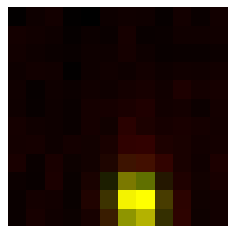
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	486 nm	506 nm	270 nm
z	3.19 um	3.2 um	1.3 um
Asymmetry	0.854		
Theta	-70.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 474.377 (brightness)

B = 128.498 (background)

a = 0.756 px

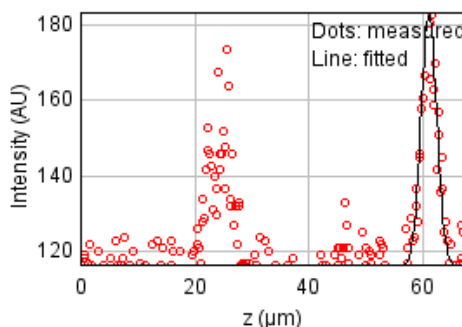
b = -0.066 px

c = 0.592 px

xc = 6.546 px

yc = 10.147 px

Z profile & fitting parameters:



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

Sum of residuals squared: 37823.1314

Standard deviation: 11.09966

R^2 : 0.54844

Parameters:

a = 116.13135

b = 183.45477

c = 61.11352

d = 1.35392

Bead 3826

Date : Mon Oct 17 13:54:45 PDT 2022

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

Frame size : 12 pixels

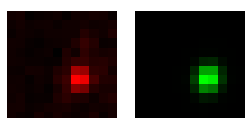
Coordinates : -156 μm (x), -89.6 μm (y), 62.1 μm (z)

Corresponding bead : Not found

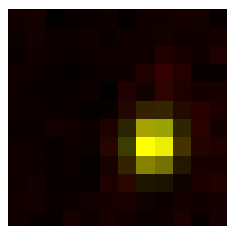
FWHM	Non corrected	Corrected	Theoretical
min	421 nm	439 nm	270 nm
max	491 nm	512 nm	270 nm
z	2.64 μm	2.65 μm	1.3 μm
Asymmetry	0.857		
Theta	78.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 280.948$ (brightness)

$B = 114.487$ (background)

$a = 0.749$ px

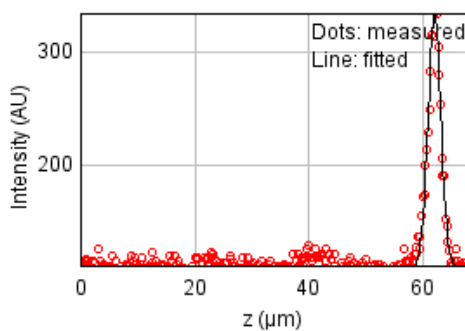
$b = 0.039$ px

$c = 0.563$ px

$x_c = 7.459$ px

$y_c = 6.878$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17204.0861

Standard deviation: 7.48594

$R^2: 0.96075$

Parameters:

$a = 111.14596$

$b = 333.76046$

$c = 62.08029$

$d = 1.12050$

Bead 3827

Date : Mon Oct 17 13:54:46 PDT 2022

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

Frame size : 12 pixels

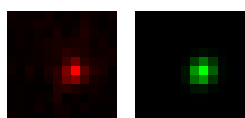
Coordinates : -153 μm (x), -90.6 μm (y), 62.2 μm (z)

Corresponding bead : Not found

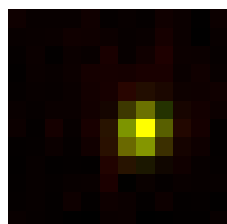
FWHM	Non corrected	Corrected	Theoretical
min	406 nm	422 nm	270 nm
max	466 nm	485 nm	270 nm
z	2.33 μm	2.34 μm	1.3 μm
Asymmetry	0.87		
Theta	59.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 338.978 (brightness)

B = 119.637 (background)

a = 0.765 px

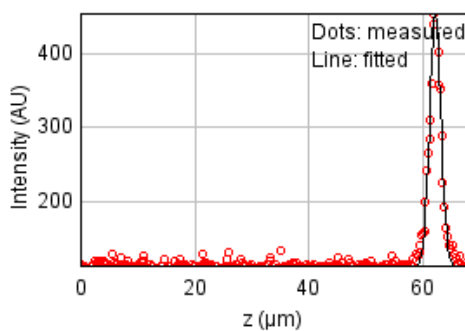
b = 0.086 px

c = 0.669 px

xc = 6.838 px

yc = 6.126 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22030.4732

Standard deviation: 8.47116

R^2 : 0.97566

Parameters:

a = 112.41424

b = 454.10838

c = 62.22745

d = 0.99004

Bead 3828

Date : Mon Oct 17 13:54:46 PDT 2022

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

Frame size : 12 pixels

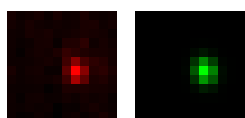
Coordinates : -142 μm (x), -94.5 μm (y), 62.0 μm (z)

Corresponding bead : Not found

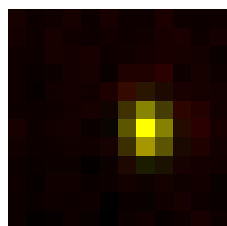
FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	479 nm	499 nm	270 nm
z	2.21 μm	2.22 μm	1.3 μm
Asymmetry	0.806		
Theta	-80.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 331.519 (brightness)

B = 116.425 (background)

a = 0.890 px

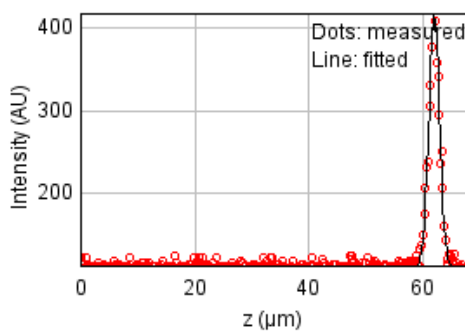
b = -0.052 px

c = 0.593 px

$x_c = 7.118$ px

$y_c = 6.068$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 15797.9623

Standard deviation: 7.17350

R^2 : 0.97708

Parameters:

a = 111.22272

b = 417.44713

c = 62.02749

d = 0.93733

Bead 3829

Date : Mon Oct 17 13:54:46 PDT 2022

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

Frame size : 12 pixels

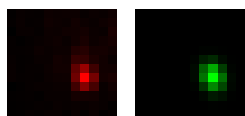
Coordinates : -97.0 μm (x), 65.0 μm (y), 58.8 μm (z)

Corresponding bead : Not found

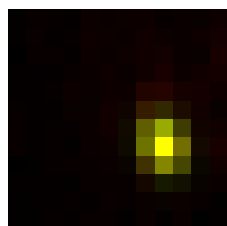
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	519 nm	541 nm	270 nm
z	1.69 μm	1.7 μm	1.3 μm
Asymmetry	0.765		
Theta	-73.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 629.907 (brightness)

B = 122.218 (background)

a = 0.822 px

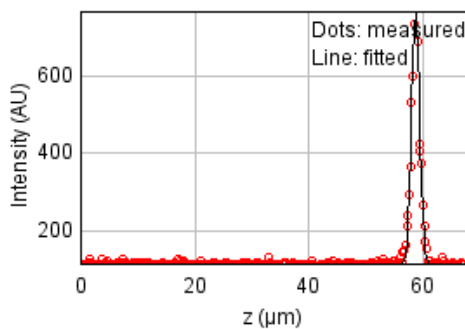
b = -0.098 px

c = 0.528 px

$x_c = 7.970$ px

$y_c = 6.879$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 54352.5192

Standard deviation: 13.30579

R^2 : 0.97747

Parameters:

a = 114.32850

b = 764.47501

c = 58.77007

d = 0.71951

Bead 3830 (Rejected)

Date : Mon Oct 17 13:54:46 PDT 2022

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

Frame size : 12 pixels

Coordinates : -70.3 μm (x), 62.5 μm (y), 59.6 μm (z)

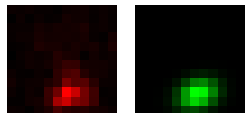
Corresponding bead : Not found

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

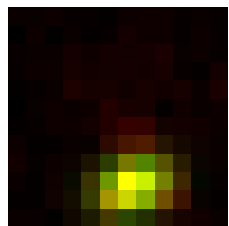
FWHM	Non corrected	Corrected	Theoretical
min	520 nm	542 nm	270 nm
max	723 nm	753 nm	270 nm
z	3.04 μm	3.05 μm	1.3 μm
Asymmetry	0.719		
Theta	20.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 310.757 (brightness)

B = 121.666 (background)

a = 0.286 px

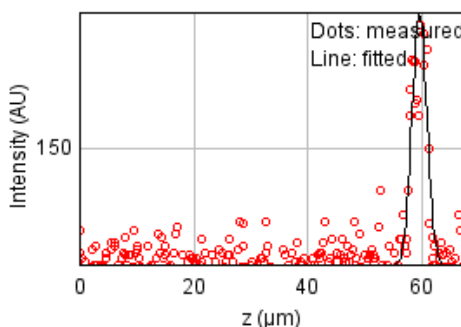
b = 0.078 px

c = 0.467 px

xc = 6.328 px

yc = 9.255 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15741.8961

Standard deviation: 7.16076

R^2 : 0.80153

Parameters:

a = 112.57759

b = 193.53157

c = 59.60355

d = 1.29135

Bead 3831 (Rejected)

Date : Mon Oct 17 13:54:46 PDT 2022

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

Frame size : 12 pixels

Coordinates : -64.2 μm (x), 50.4 μm (y), 59.7 μm (z)

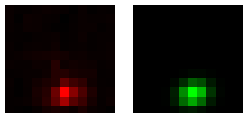
Corresponding bead : Not found

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

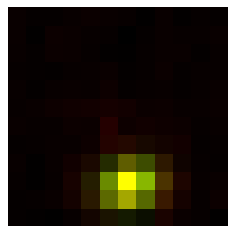
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	444 nm	270 nm
max	543 nm	566 nm	270 nm
z	3.56 μm	3.58 μm	1.3 μm
Asymmetry	0.785		
Theta	15.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 555.403 (brightness)

B = 125.733 (background)

a = 0.474 px

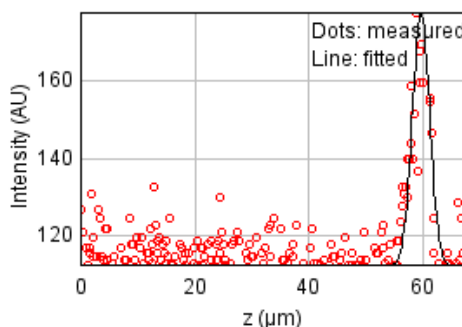
b = 0.071 px

c = 0.718 px

xc = 6.118 px

yc = 9.194 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18228.3783

Standard deviation: 7.70557

R^2 : 0.72505

Parameters:

a = 112.39956

b = 177.84847

c = 59.71653

d = 1.51257

Bead 3832

Date : Mon Oct 17 13:54:46 PDT 2022

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

Frame size : 12 pixels

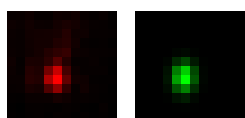
Coordinates : 84.2 μm (x), 16.2 μm (y), 58.4 μm (z)

Corresponding bead : Not found

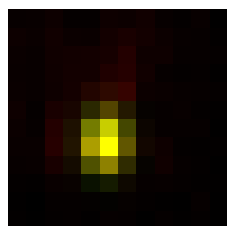
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	547 nm	570 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.756		
Theta	88.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 642.077 (brightness)

B = 127.992 (background)

a = 0.783 px

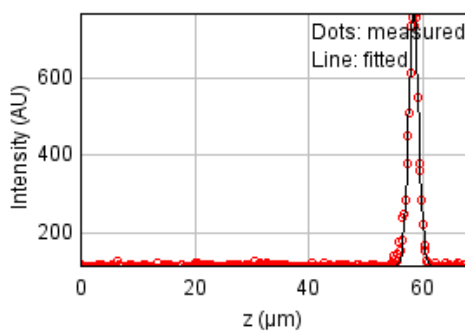
b = 0.011 px

c = 0.448 px

xc = 4.812 px

yc = 6.743 px

Z profile & fitting parameters:



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

Sum of residuals squared: 48642.4467

Standard deviation: 12.58747

R^2 : 0.98366

Parameters:

a = 113.44885

b = 771.81119

c = 58.41861

d = 0.87916

Bead 3833 (Rejected)

Date : Mon Oct 17 13:54:47 PDT 2022

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

Frame size : 12 pixels

Coordinates : 76.1 μm (x), 5.61 μm (y), 58.9 μm (z)

Corresponding bead : Not found

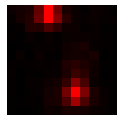
Reason of rejection : R or C parameter off limits.



FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.3 μm	3.31 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

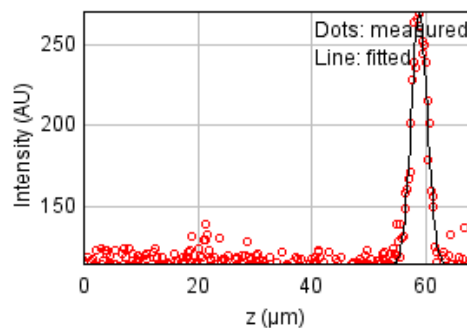
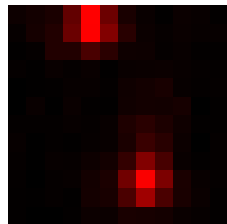
XY profile & fitting parameters :

(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: 17019.7752

Standard deviation: 7.44574

R^2 : 0.93709

Parameters:

$a = 114.30464$

$b = 270.03403$

$c = 58.89236$

$d = 1.40005$

Bead 3834 (Rejected)

Date : Mon Oct 17 13:54:47 PDT 2022

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

Frame size : 12 pixels

Coordinates : 79.2 μm (x), -1.87 μm (y), 59.0 μm (z)

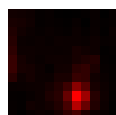
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.37 μm	3.38 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

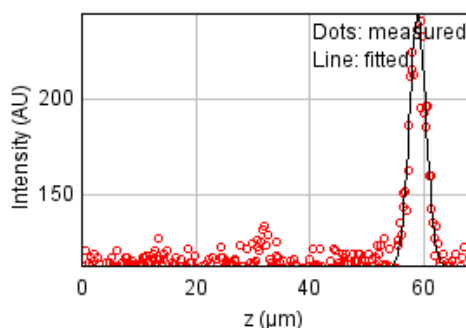
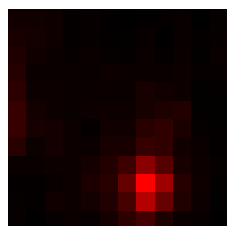
XY profile & fitting parameters :

(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: 15418.0175

Standard deviation: 7.08672

R²: 0.92288

Parameters:

a = 112.80675

b = 244.33254

c = 58.95660

d = 1.43104

Bead 3835

Date : Mon Oct 17 13:54:47 PDT 2022

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

Frame size : 12 pixels

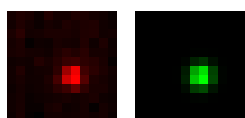
Coordinates : -160 μm (x), -78.1 μm (y), 62.0 μm (z)

Corresponding bead : Not found

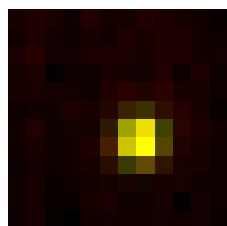
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	441 nm	460 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.942		
Theta	72.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 289.186$ (brightness)

$B = 113.976$ (background)

$a = 0.769$ px

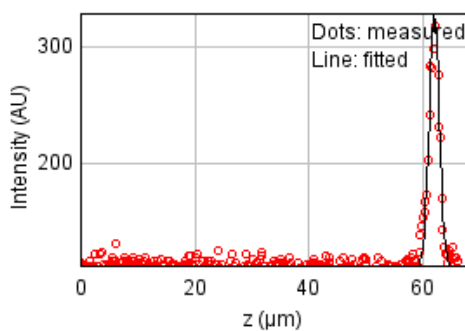
$b = 0.025$ px

$c = 0.697$ px

$x_c = 6.683$ px

$y_c = 6.609$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 15964.8519

Standard deviation: 7.21129

$R^2: 0.95301$

Parameters:

$a = 111.20333$

$b = 329.14301$

$c = 62.03694$

$d = 0.88733$

Bead 3836 (Rejected)

Date : Mon Oct 17 13:54:47 PDT 2022

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

Frame size : 12 pixels

Coordinates : 151 μm (x), -94.4 μm (y), 60.2 μm (z)

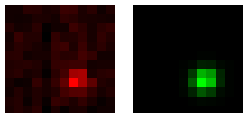
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

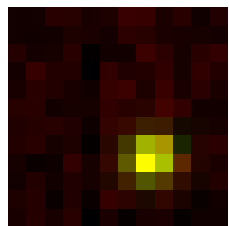
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	463 nm	482 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.906		
Theta	30.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 101.460 (brightness)

B = 112.332 (background)

a = 0.662 px

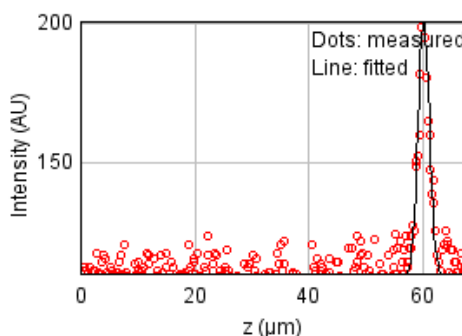
b = 0.060 px

c = 0.727 px

xc = 7.317 px

yc = 7.722 px

Z profile & fitting parameters:



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

Sum of residuals squared: 11933.2280

Standard deviation: 6.23462

R^2 : 0.83786

Parameters:

a = 110.14615

b = 200.88897

c = 60.18663

d = 0.97977

Bead 3837 (Rejected)

Date : Mon Oct 17 13:54:47 PDT 2022

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

Frame size : 12 pixels

Coordinates : -145 um (x), 59.7 um (y), 58.5 um (z)

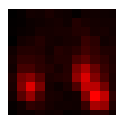
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.4 um	3.42 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

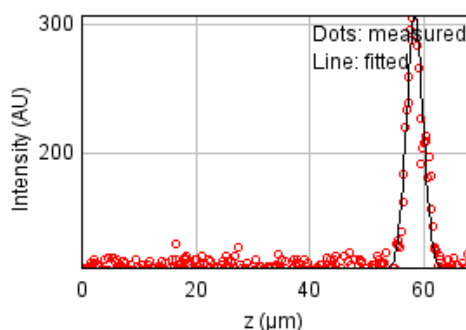
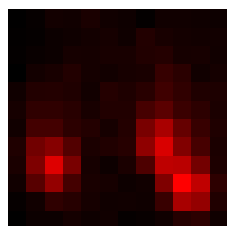
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 26575.9493

Standard deviation: 9.30412

R²: 0.93922

Parameters:

a = 111.00923

b = 306.36337

c = 58.45462

d = 1.44493

Bead 3838 (Rejected)

Date : Mon Oct 17 13:54:47 PDT 2022

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

Frame size : 12 pixels

Coordinates : -123 μm (x), 53.9 μm (y), 60.2 μm (z)

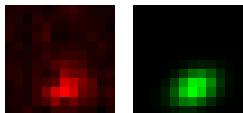
Corresponding bead : Not found

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

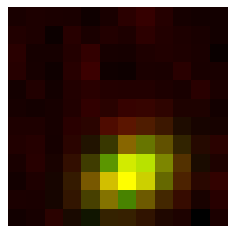
FWHM	Non corrected	Corrected	Theoretical
min	569 nm	592 nm	270 nm
max	813 nm	846 nm	270 nm
z	2.89 μm	2.91 μm	1.3 μm
Asymmetry	0.7		
Theta	25.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 154.298 (brightness)

B = 119.145 (background)

a = 0.242 px

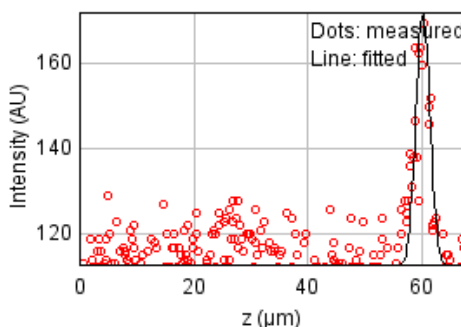
b = 0.082 px

c = 0.376 px

xc = 6.236 px

yc = 8.557 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16509.2855

Standard deviation: 7.33322

R^2 : 0.66601

Parameters:

a = 112.51694

b = 172.12139

c = 60.22959

d = 1.22921

Bead 3839 (Rejected)

Date : Mon Oct 17 13:54:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : -25.0 μm (x), 38.6 μm (y), 59.0 μm (z)

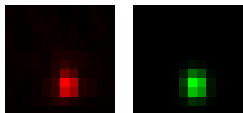
Corresponding bead : Not found

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

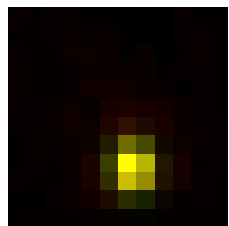
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	482 nm	502 nm	270 nm
z	2.75 μm	2.77 μm	1.3 μm
Asymmetry	0.81		
Theta	-86.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 869.495 (brightness)

B = 130.348 (background)

a = 0.880 px

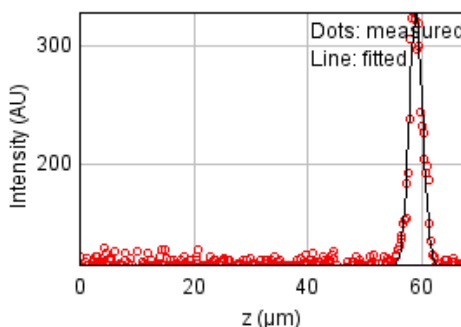
b = -0.020 px

c = 0.579 px

xc = 6.311 px

yc = 8.253 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19676.8903

Standard deviation: 8.00588

R^2 : 0.95391

Parameters:

a = 113.46017

b = 328.03034

c = 58.98711

d = 1.16955

Bead 3840 (Rejected)

Date : Mon Oct 17 13:54:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : -76.1 μm (x), 27.4 μm (y), 43.4 μm (z)

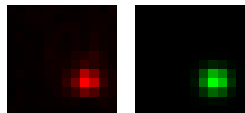
Corresponding bead : Not found

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

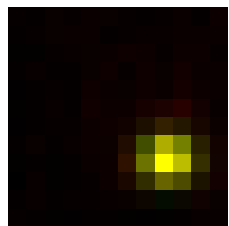
FWHM	Non corrected	Corrected	Theoretical
min	453 nm	471 nm	270 nm
max	493 nm	514 nm	270 nm
z	4.5 μm	4.52 μm	1.3 μm
Asymmetry	0.918		
Theta	-1.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 738.007$ (brightness)

$B = 127.306$ (background)

$a = 0.552$ px

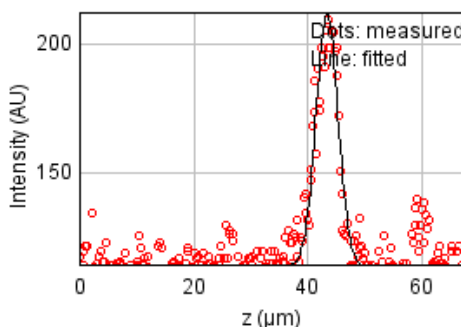
$b = -0.003$ px

$c = 0.655$ px

$xc = 8.225$ px

$yc = 7.796$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22267.8558

Standard deviation: 8.51667

$R^2: 0.85747$

Parameters:

$a = 114.13869$

$b = 212.44701$

$c = 43.42258$

$d = 1.91169$

Bead 3841 (Rejected)

Date : Mon Oct 17 13:54:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : 35.8 μm (x), -5.83 μm (y), 11.1 μm (z)

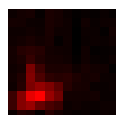
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.85 μm	3.86 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

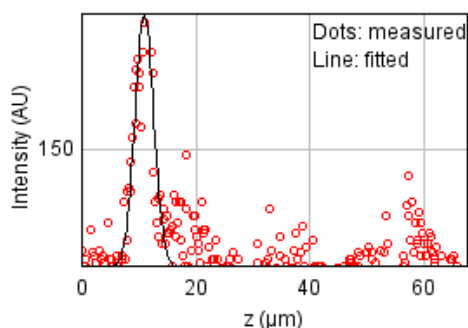
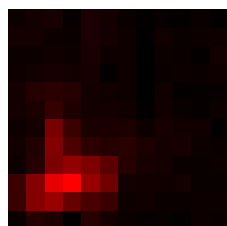
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 20807.5398

Standard deviation: 8.23268

R²: 0.76194

Parameters:

a = 115.88913

b = 190.28846

c = 11.08007

d = 1.63285

Bead 3842 (Rejected)

Date : Mon Oct 17 13:54:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : 42.0 μm (x), -11.8 μm (y), 59.4 μm (z)

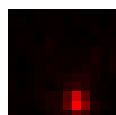
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.51 μm	3.53 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

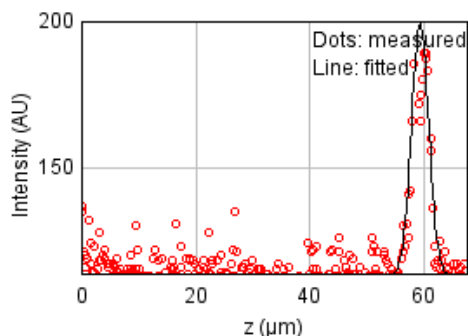
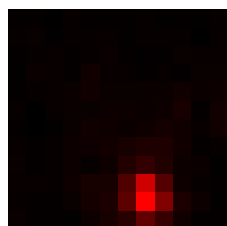
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 19868.7838

Standard deviation: 8.04482

R²: 0.80952

Parameters:

a = 113.00595

b = 200.28040

c = 59.37732

d = 1.49255

Bead 3843 (Rejected)

Date : Mon Oct 17 13:54:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : 84.8 μm (x), -27.7 μm (y), 59.4 μm (z)

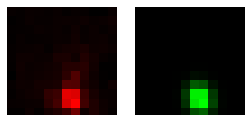
Corresponding bead : Not found

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

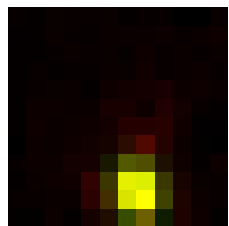
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	440 nm	270 nm
max	516 nm	537 nm	270 nm
z	3.28 μm	3.29 μm	1.3 μm
Asymmetry	0.819		
Theta	-75.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 497.879 (brightness)

B = 125.226 (background)

a = 0.737 px

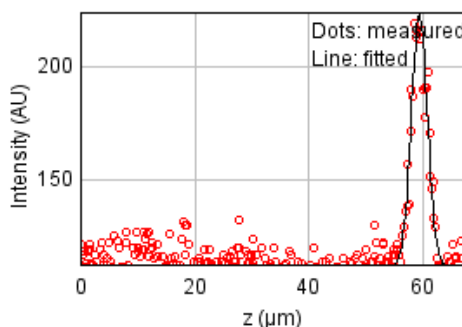
b = -0.059 px

c = 0.519 px

xc = 6.542 px

yc = 9.511 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17176.0414

Standard deviation: 7.47984

R^2 : 0.88071

Parameters:

a = 112.83143

b = 223.24182

c = 59.41753

d = 1.39264

Bead 3844

Date : Mon Oct 17 13:54:48 PDT 2022

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

Frame size : 12 pixels

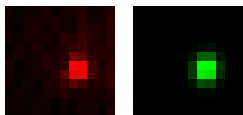
Coordinates : -154 μm (x), -94.8 μm (y), 62.3 μm (z)

Corresponding bead : Not found

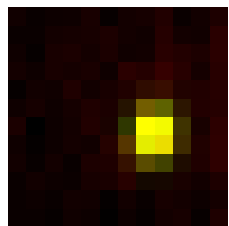
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	503 nm	524 nm	270 nm
z	2.42 μm	2.43 μm	1.3 μm
Asymmetry	0.823		
Theta	83.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 289.393 (brightness)

B = 118.513 (background)

a = 0.780 px

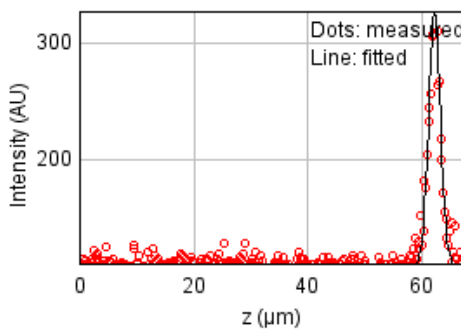
b = 0.028 px

c = 0.534 px

xc = 7.473 px

yc = 6.408 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21707.5490

Standard deviation: 8.40884

R^2 : 0.94385

Parameters:

a = 111.22352

b = 327.18339

c = 62.26919

d = 1.02624

Bead 3845 (Rejected)

Date : Mon Oct 17 13:54:48 PDT 2022

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

Frame size : 12 pixels

Coordinates : -126 μm (x), 34.9 μm (y), 60.3 μm (z)

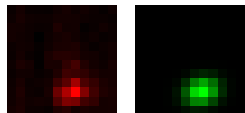
Corresponding bead : Not found

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

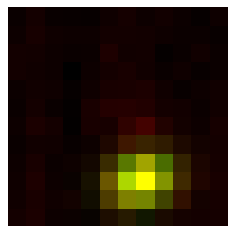
FWHM	Non corrected	Corrected	Theoretical
min	484 nm	505 nm	270 nm
max	629 nm	655 nm	270 nm
z	2.99 μm	3.0 μm	1.3 μm
Asymmetry	0.771		
Theta	18.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 336.082 (brightness)

B = 120.940 (background)

a = 0.362 px

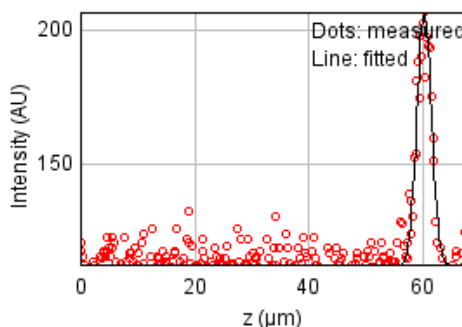
b = 0.068 px

c = 0.550 px

xc = 6.751 px

yc = 8.936 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13736.6164

Standard deviation: 6.68915

R^2 : 0.86164

Parameters:

a = 112.20635

b = 206.83613

c = 60.28531

d = 1.27013

Bead 3846 (Rejected)

Date : Mon Oct 17 13:54:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : -91.8 μm (x), 30.7 μm (y), 60.2 μm (z)

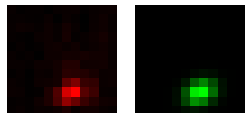
Corresponding bead : Not found

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

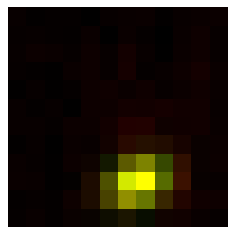
FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	568 nm	592 nm	270 nm
z	2.91 μm	2.93 μm	1.3 μm
Asymmetry	0.728		
Theta	24.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 415.943 (brightness)

B = 121.126 (background)

a = 0.481 px

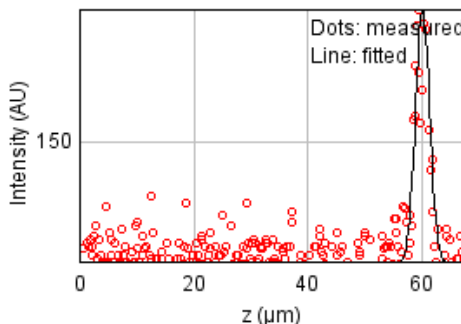
b = 0.141 px

c = 0.719 px

xc = 6.583 px

yc = 9.048 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18408.0631

Standard deviation: 7.74346

R^2 : 0.74622

Parameters:

a = 113.77175

b = 189.95766

c = 60.16813

d = 1.23761

Bead 3847 (Rejected)

Date : Mon Oct 17 13:54:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : -106 um (x), 28.5 um (y), 60.0 um (z)

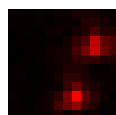
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.27 um	3.28 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

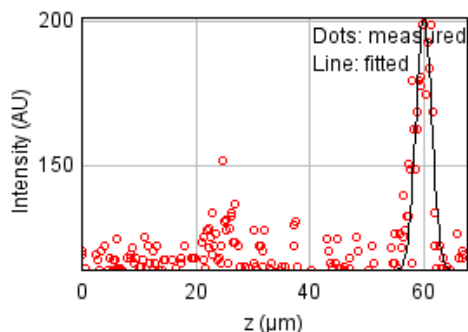
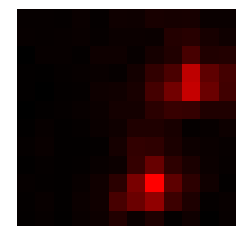
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 26739.2543

Standard deviation: 9.33266

R²: 0.74545

Parameters:

a = 114.20962

b = 201.09330

c = 60.03935

d = 1.38842

Bead 3848 (Rejected)

Date : Mon Oct 17 13:54:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : 20.9 μm (x), -22.0 μm (y), 59.2 μm (z)

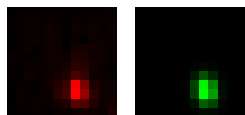
Corresponding bead : Not found

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

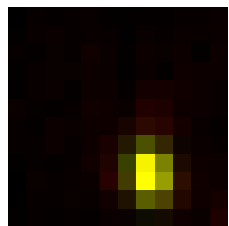
FWHM	Non corrected	Corrected	Theoretical
min	370 nm	386 nm	270 nm
max	510 nm	531 nm	270 nm
z	3.15 μm	3.16 μm	1.3 μm
Asymmetry	0.726		
Theta	-81.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 765.865 (brightness)

B = 133.268 (background)

a = 0.968 px

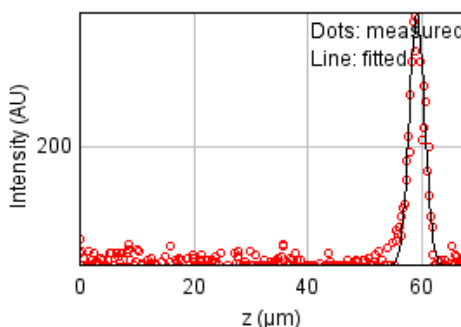
b = -0.069 px

c = 0.527 px

xc = 7.221 px

yc = 8.578 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20182.2210

Standard deviation: 8.10803

R^2 : 0.94332

Parameters:

a = 114.09602

b = 297.14791

c = 59.17553

d = 1.33792

Bead 3849 (Rejected)

Date : Mon Oct 17 13:54:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : 49.3 μm (x), -21.7 μm (y), 59.8 μm (z)

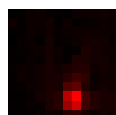
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.48 μm	3.5 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

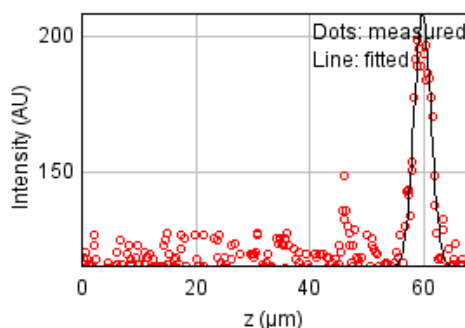
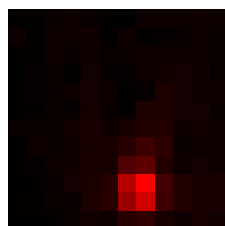
XY profile & fitting parameters :

(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: 17327.0425

Standard deviation: 7.51265

R²: 0.84569

Parameters:

a = 115.25417

b = 208.21651

c = 59.79854

d = 1.47822

Bead 3850 (Rejected)

Date : Mon Oct 17 13:54:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : 81.0 μm (x), -32.9 μm (y), 59.8 μm (z)

Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	4.11 μm	4.13 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

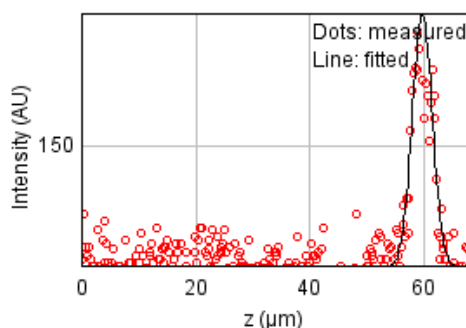
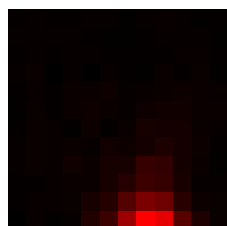
XY profile & fitting parameters :

(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: 15716.2844

Standard deviation: 7.15494

R²: 0.83510

Parameters:

a = 112.55319

b = 191.47352

c = 59.75643

d = 1.74558

Bead 3851 (Rejected)

Date : Mon Oct 17 13:54:49 PDT 2022

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

Frame size : 12 pixels

Coordinates : -145 μm (x), 48.6 μm (y), 60.0 μm (z)

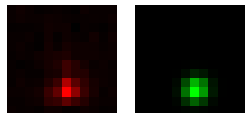
Corresponding bead : Not found

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

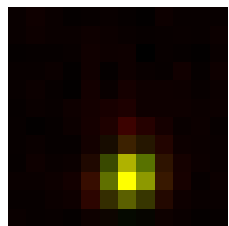
FWHM	Non corrected	Corrected	Theoretical
min	438 nm	456 nm	270 nm
max	459 nm	478 nm	270 nm
z	3.86 μm	3.87 μm	1.3 μm
Asymmetry	0.954		
Theta	43.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 525.677 (brightness)

B = 123.669 (background)

a = 0.667 px

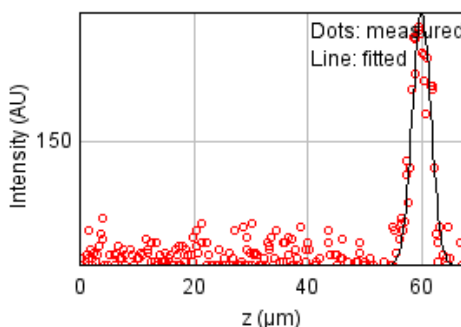
b = 0.032 px

c = 0.670 px

xc = 6.129 px

yc = 8.762 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16326.8393

Standard deviation: 7.29259

R^2 : 0.82817

Parameters:

a = 110.55609

b = 191.33217

c = 59.99730

d = 1.63713

Bead 3852 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : -112 μm (x), 41.1 μm (y), 60.4 μm (z)

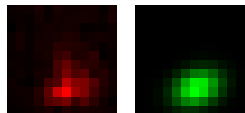
Corresponding bead : Not found

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

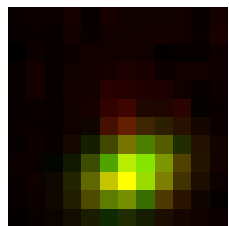
FWHM	Non corrected	Corrected	Theoretical
min	623 nm	649 nm	270 nm
max	873 nm	909 nm	270 nm
z	2.69 μm	2.7 μm	1.3 μm
Asymmetry	0.714		
Theta	21.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 233.225 (brightness)

B = 122.135 (background)

a = 0.199 px

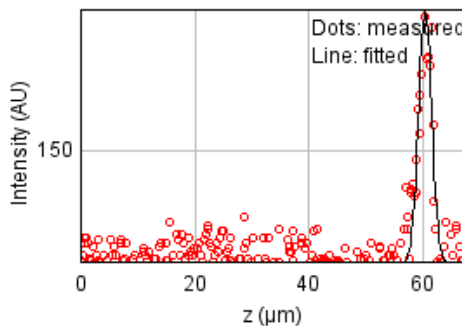
b = 0.058 px

c = 0.323 px

xc = 6.257 px

yc = 8.565 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15595.4076

Standard deviation: 7.12737

R^2 : 0.80095

Parameters:

a = 112.28137

b = 197.44445

c = 60.43992

d = 1.14223

Bead 3853 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : -20.7 μm (x), 21.6 μm (y), 59.2 μm (z)

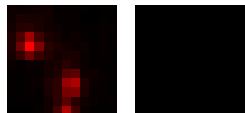
Corresponding bead : Not found

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

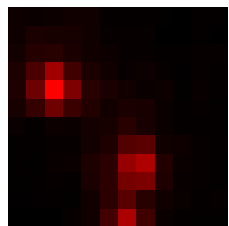
FWHM	Non corrected	Corrected	Theoretical
min	736 nm	767 nm	270 nm
max	2.93 μm	3.05 μm	270 nm
z	2.47 μm	2.48 μm	1.3 μm
Asymmetry	0.252		
Theta	0.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.256$



Parameters:

A = -88.794 (brightness)

B = 270.077 (background)

a = 0.118 px

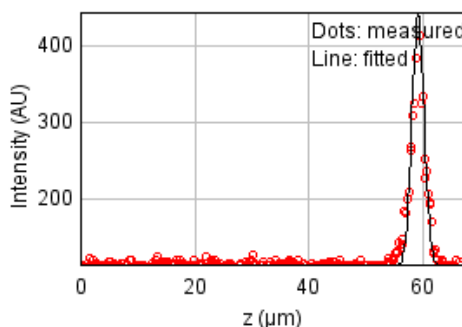
b = 0.132 px

c = 0.114 px

xc = 4.956 px

yc = 5.359 px

Z profile & fitting parameters:



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

Sum of residuals squared: 45759.4079

Standard deviation: 12.20874

R^2 : 0.94917

Parameters:

a = 115.22676

b = 442.10746

c = 59.18744

d = 1.05041

Bead 3854 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : -105 μm (x), -17.7 μm (y), 60.9 μm (z)

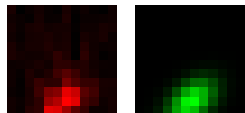
Corresponding bead : Not found

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

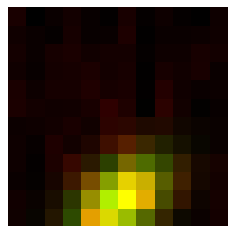
FWHM	Non corrected	Corrected	Theoretical
min	624 nm	650 nm	270 nm
max	1.0 μm	1.04 μm	270 nm
z	2.78 μm	2.79 μm	1.3 μm
Asymmetry	0.624		
Theta	41.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 272.366 (brightness)

B = 123.215 (background)

a = 0.226 px

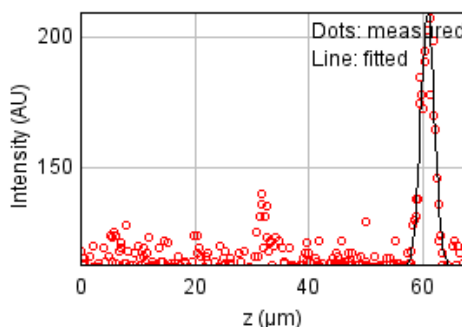
b = 0.104 px

c = 0.252 px

xc = 5.623 px

yc = 10.051 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15513.1126

Standard deviation: 7.10854

R^2 : 0.84504

Parameters:

a = 112.17185

b = 209.51046

c = 60.87833

d = 1.18125

Bead 3855

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

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

Frame size : 12 pixels

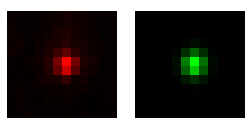
Coordinates : -90.9 μm (x), -18.0 μm (y), 44.7 μm (z)

Corresponding bead : Not found

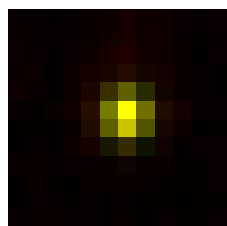
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	433 nm	270 nm
max	464 nm	483 nm	270 nm
z	1.91 μm	1.92 μm	1.3 μm
Asymmetry	0.895		
Theta	89.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 563.762 (brightness)

B = 119.213 (background)

a = 0.778 px

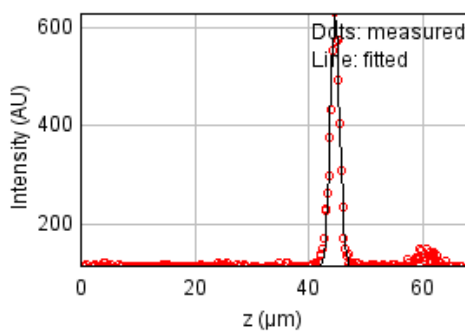
b = 0.001 px

c = 0.623 px

$x_c = 5.965$ px

$y_c = 5.287$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 36769.7016

Standard deviation: 10.94399

R^2 : 0.97812

Parameters:

a = 114.65132

b = 626.79569

c = 44.66018

d = 0.81237

Bead 3856 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : 50.7 μm (x), -30.0 μm (y), 31.4 μm (z)

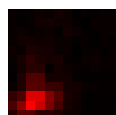
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.24 μm	3.25 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

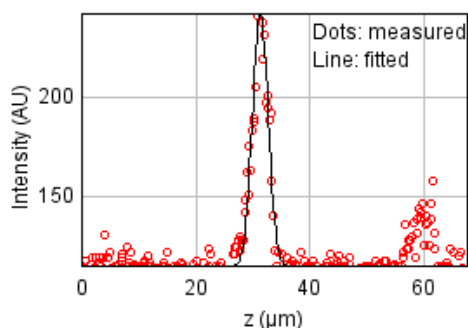
XY profile & fitting parameters :

(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: 25344.4745

Standard deviation: 9.08599

R^2 : 0.86992

Parameters:

$a = 114.52658$

$b = 242.96506$

$c = 31.37612$

$d = 1.37407$

Bead 3857 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : 15.8 μm (x), -30.5 μm (y), 59.9 μm (z)

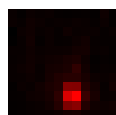
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.63 μm	3.64 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

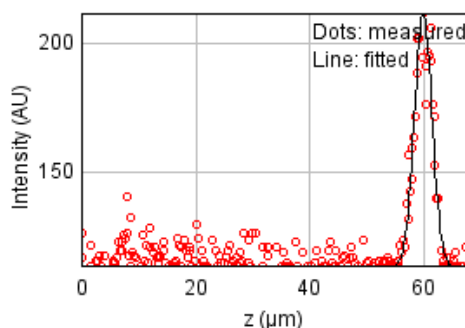
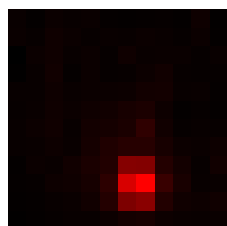
XY profile & fitting parameters :

(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: 15583.9827

Standard deviation: 7.12476

R²: 0.87673

Parameters:

a = 113.46926

b = 211.99860

c = 59.91928

d = 1.54146

Bead 3858 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : -162 μm (x), -71.6 μm (y), 61.8 μm (z)

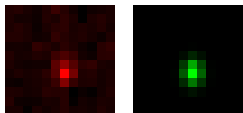
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

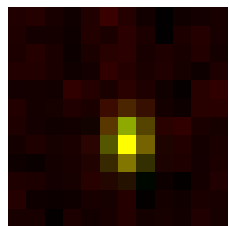
FWHM	Non corrected	Corrected	Theoretical
min	366 nm	381 nm	270 nm
max	483 nm	503 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.758		
Theta	88.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 121.871 (brightness)

B = 111.613 (background)

a = 1.000 px

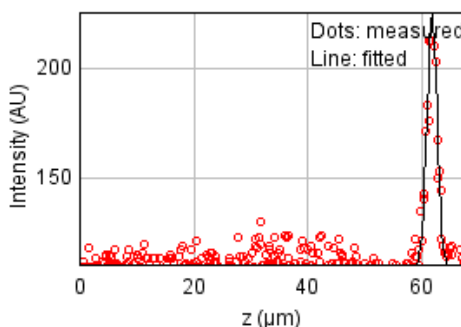
b = 0.011 px

c = 0.576 px

xc = 6.040 px

yc = 6.849 px

Z profile & fitting parameters:



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

Sum of residuals squared: 11712.6357

Standard deviation: 6.17672

R^2 : 0.88396

Parameters:

a = 110.83868

b = 225.41855

c = 61.82207

d = 0.88448

Bead 3859

Date : Mon Oct 17 13:54:51 PDT 2022

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

Frame size : 12 pixels

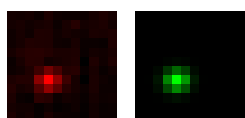
Coordinates : -158 μm (x), 13.5 μm (y), 6.43 μm (z)

Corresponding bead : Not found

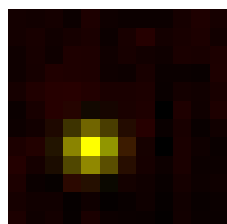
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	476 nm	495 nm	270 nm
z	2.73 μm	2.74 μm	1.3 μm
Asymmetry	0.874		
Theta	3.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 190.618 (brightness)

B = 114.935 (background)

a = 0.594 px

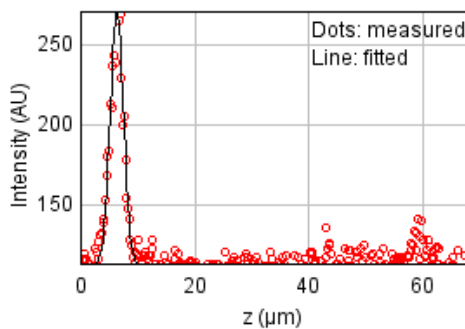
b = 0.012 px

c = 0.776 px

xc = 4.054 px

yc = 7.094 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19827.2341

Standard deviation: 8.03641

R^2 : 0.91634

Parameters:

a = 113.24511

b = 270.48848

c = 6.42835

d = 1.16070

Bead 3860 (Rejected)

Date : Mon Oct 17 13:54:51 PDT 2022

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

Frame size : 12 pixels

Coordinates : -124 μm (x), -18.6 μm (y), 60.9 μm (z)

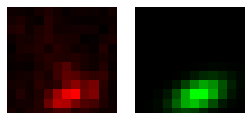
Corresponding bead : Not found

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

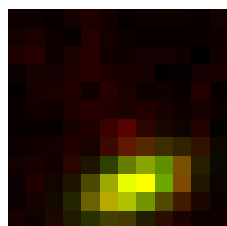
FWHM	Non corrected	Corrected	Theoretical
min	497 nm	518 nm	270 nm
max	939 nm	978 nm	270 nm
z	3.09 μm	3.1 μm	1.3 μm
Asymmetry	0.53		
Theta	21.9°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.872$



Parameters:

A = 176.627 (brightness)

B = 121.986 (background)

a = 0.207 px

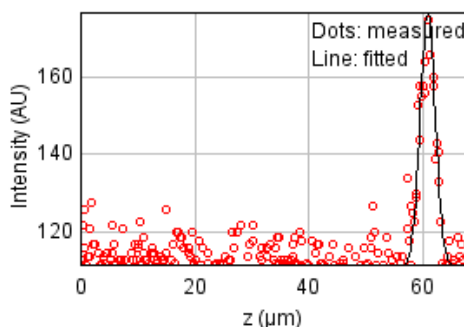
b = 0.135 px

c = 0.489 px

xc = 6.422 px

yc = 9.107 px

Z profile & fitting parameters:



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

Sum of residuals squared: 11172.8513

Standard deviation: 6.03272

R^2 : 0.78829

Parameters:

a = 111.42125

b = 176.45687

c = 60.90408

d = 1.31073

Bead 3861 (Rejected)

Date : Mon Oct 17 13:54:51 PDT 2022

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

Frame size : 12 pixels

Coordinates : 49.3 μm (x), -40.7 μm (y), 60.1 μm (z)

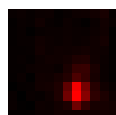
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.34 μm	3.35 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

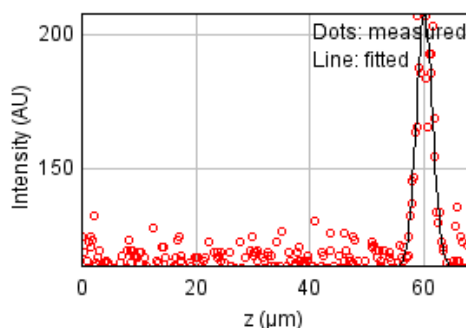
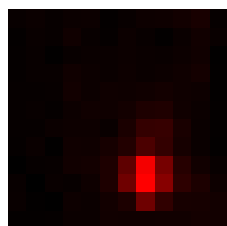
XY profile & fitting parameters :

(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: 15452.0808

Standard deviation: 7.09454

R²: 0.85794

Parameters:

a = 113.67984

b = 207.61151

c = 60.13761

d = 1.41801

Bead 3862 (Rejected)

Date : Mon Oct 17 13:54:51 PDT 2022

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

Frame size : 12 pixels

Coordinates : 23.1 μm (x), -41.2 μm (y), 60.1 μm (z)

Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.52 μm	3.54 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

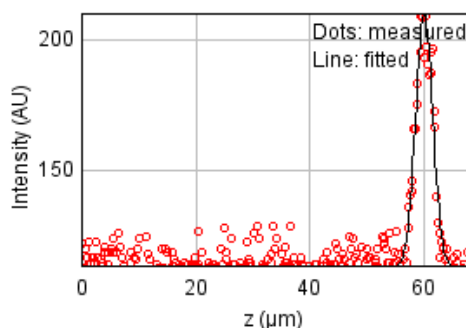
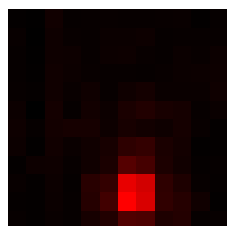
XY profile & fitting parameters :

(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: 13162.8904

Standard deviation: 6.54797

R²: 0.88803

Parameters:

a = 113.20547

b = 210.12359

c = 60.10187

d = 1.49667

Bead 3863 (Rejected)

Date : Mon Oct 17 13:54:51 PDT 2022

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

Frame size : 12 pixels

Coordinates : 106 μm (x), -60.3 μm (y), 60.7 μm (z)

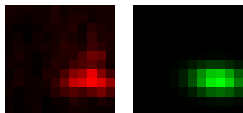
Corresponding bead : Not found

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

FWHM	Non corrected	Corrected	Theoretical
min	491 nm	511 nm	270 nm
max	954 nm	993 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.515		
Theta	-3.6°		

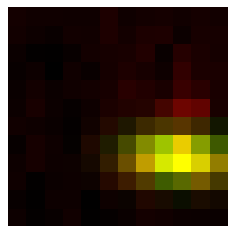
XY profile & fitting parameters :

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



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

$R^2 = 0.883$



Parameters:

A = 239.033 (brightness)

B = 120.704 (background)

a = 0.149 px

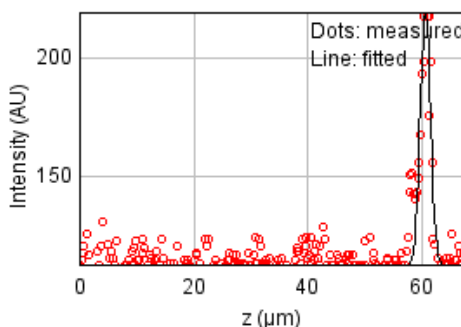
b = -0.026 px

c = 0.555 px

xc = 8.754 px

yc = 7.693 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18094.0303

Standard deviation: 7.67712

R^2 : 0.81149

Parameters:

a = 112.57101

b = 219.24154

c = 60.65859

d = 0.89119

Bead 3864 (Rejected)

Date : Mon Oct 17 13:54:51 PDT 2022

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

Frame size : 12 pixels

Coordinates : -149 μm (x), -77.6 μm (y), 60.4 μm (z)

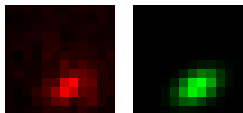
Corresponding bead : Not found

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

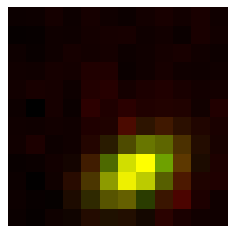
FWHM	Non corrected	Corrected	Theoretical
min	482 nm	502 nm	270 nm
max	789 nm	822 nm	270 nm
z	2.98 μm	3.0 μm	1.3 μm
Asymmetry	0.611		
Theta	28.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 293.446 (brightness)

B = 119.732 (background)

a = 0.299 px

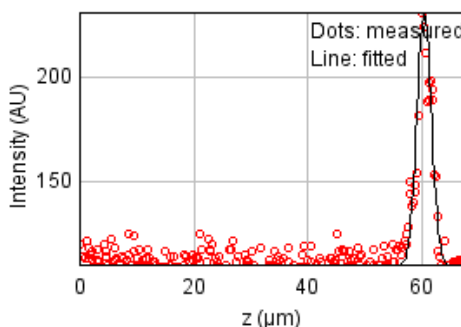
b = 0.153 px

c = 0.494 px

xc = 6.525 px

yc = 8.418 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19504.1692

Standard deviation: 7.97066

R^2 : 0.87723

Parameters:

a = 110.21224

b = 231.13456

c = 60.43781

d = 1.26700

Bead 3865

Date : Mon Oct 17 13:54:52 PDT 2022

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

Frame size : 12 pixels

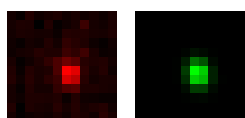
Coordinates : -158 μm (x), -95.2 μm (y), 62.3 μm (z)

Corresponding bead : Not found

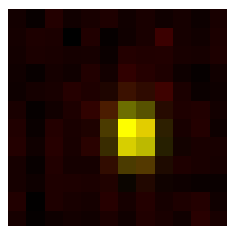
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	416 nm	270 nm
max	511 nm	533 nm	270 nm
z	2.41 μm	2.42 μm	1.3 μm
Asymmetry	0.782		
Theta	-81.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 173.885$ (brightness)

$B = 113.959$ (background)

$a = 0.834$ px

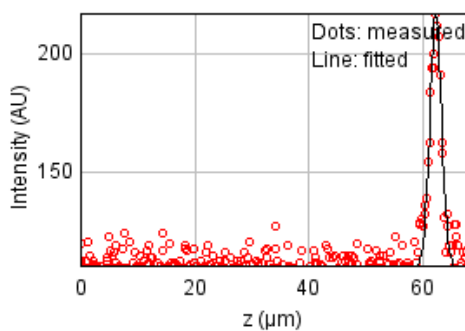
$b = -0.046$ px

$c = 0.520$ px

$x_c = 6.393$ px

$y_c = 6.339$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 12774.3551

Standard deviation: 6.45060

$R^2: 0.87112$

Parameters:

$a = 111.18701$

$b = 216.45967$

$c = 62.30081$

$d = 1.02163$

Bead 3866 (Rejected)

Date : Mon Oct 17 13:54:52 PDT 2022

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

Frame size : 12 pixels

Coordinates : -80.0 μm (x), 15.4 μm (y), 60.4 μm (z)

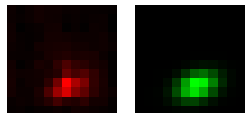
Corresponding bead : Not found

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

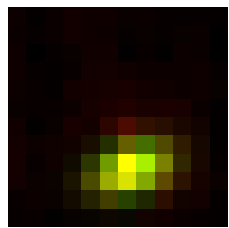
FWHM	Non corrected	Corrected	Theoretical
min	473 nm	493 nm	270 nm
max	746 nm	777 nm	270 nm
z	2.98 μm	2.99 μm	1.3 μm
Asymmetry	0.635		
Theta	19.0°		

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 = 430.069 (brightness)

B = 130.239 (background)

a = 0.279 px

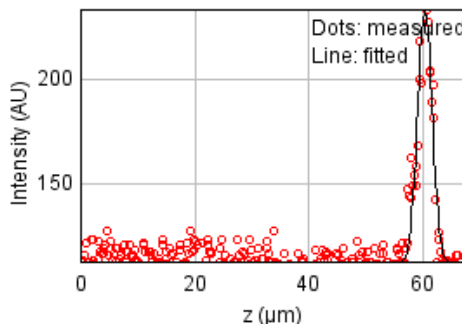
b = 0.110 px

c = 0.561 px

xc = 6.247 px

yc = 8.341 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18007.7386

Standard deviation: 7.65879

R^2 : 0.88647

Parameters:

a = 112.49837

b = 234.00764

c = 60.39260

d = 1.26585

Bead 3867

Date : Mon Oct 17 13:54:52 PDT 2022

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

Frame size : 12 pixels

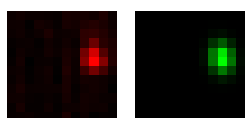
Coordinates : -145 μm (x), 15.4 μm (y), 36.5 μm (z)

Corresponding bead : Not found

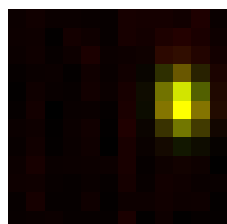
FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	558 nm	581 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.738		
Theta	-83.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 307.102 (brightness)

B = 113.934 (background)

a = 0.785 px

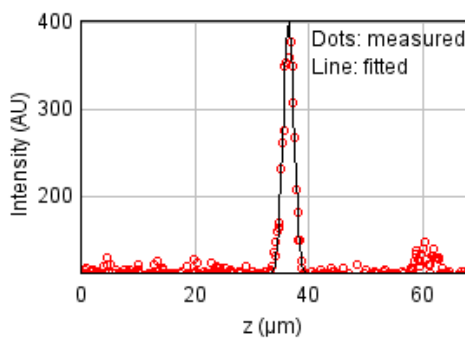
b = -0.043 px

c = 0.436 px

xc = 8.975 px

yc = 4.618 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25206.0439

Standard deviation: 9.06115

R^2 : 0.95982

Parameters:

a = 113.10249

b = 401.26457

c = 36.51980

d = 0.94706

Bead 3868 (Rejected)

Date : Mon Oct 17 13:54:52 PDT 2022

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

Frame size : 12 pixels

Coordinates : -130 μm (x), 11.8 μm (y), 59.2 μm (z)

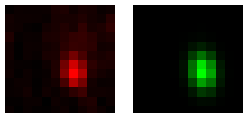
Corresponding bead : Not found

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

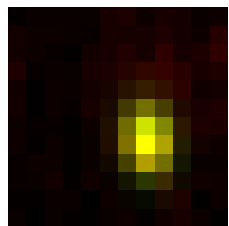
FWHM	Non corrected	Corrected	Theoretical
min	460 nm	479 nm	270 nm
max	680 nm	709 nm	270 nm
z	4.07 μm	4.08 μm	1.3 μm
Asymmetry	0.676		
Theta	-83.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 278.455 (brightness)

B = 120.093 (background)

a = 0.630 px

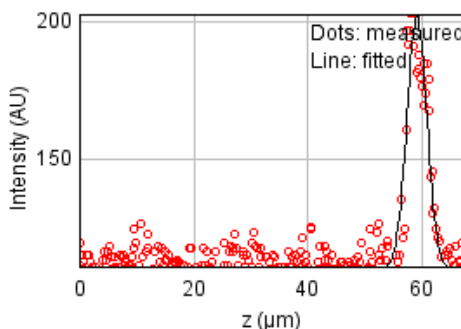
b = -0.037 px

c = 0.294 px

xc = 7.128 px

yc = 6.717 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16863.9808

Standard deviation: 7.41158

R^2 : 0.86210

Parameters:

a = 110.99663

b = 202.25958

c = 59.16757

d = 1.72724

Bead 3869 (Rejected)

Date : Mon Oct 17 13:54:52 PDT 2022

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

Frame size : 12 pixels

Coordinates : 7.04 μm (x), -23.0 μm (y), 59.9 μm (z)

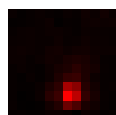
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.35 μm	3.37 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

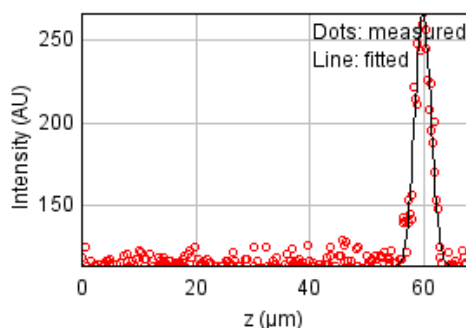
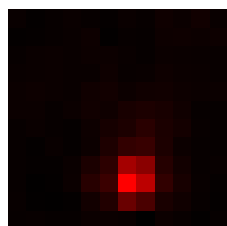
XY profile & fitting parameters :

(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: 17346.1849

Standard deviation: 7.51680

R²: 0.93440

Parameters:

a = 113.39003

b = 265.93510

c = 59.86072

d = 1.42392

Bead 3870 (Rejected)

Date : Mon Oct 17 13:54:52 PDT 2022

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

Frame size : 12 pixels

Coordinates : -127 μm (x), -17.4 μm (y), 61.7 μm (z)

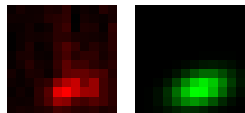
Corresponding bead : Not found

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

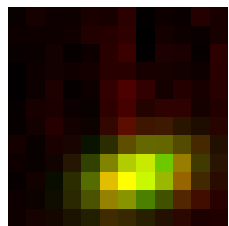
FWHM	Non corrected	Corrected	Theoretical
min	587 nm	611 nm	270 nm
max	1.03 μm	1.08 μm	270 nm
z	2.53 μm	2.54 μm	1.3 μm
Asymmetry	0.568		
Theta	16.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 121.160 (brightness)

B = 116.588 (background)

a = 0.147 px

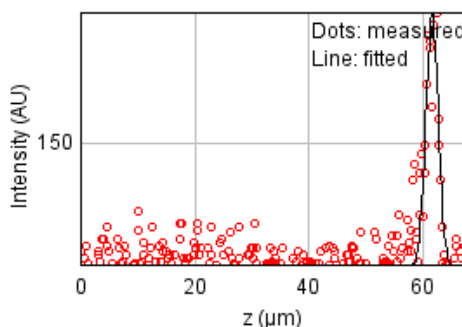
b = 0.072 px

c = 0.369 px

xc = 6.625 px

yc = 8.663 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16342.2571

Standard deviation: 7.29603

R^2 : 0.76342

Parameters:

a = 111.40703

b = 191.81670

c = 61.66018

d = 1.07255

Bead 3871 (Rejected)

Date : Mon Oct 17 13:54:53 PDT 2022

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

Frame size : 12 pixels

Coordinates : -121 μm (x), -22.2 μm (y), 61.1 μm (z)

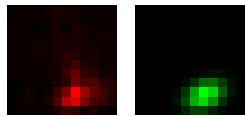
Corresponding bead : Not found

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

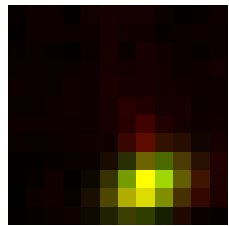
FWHM	Non corrected	Corrected	Theoretical
min	467 nm	487 nm	270 nm
max	701 nm	730 nm	270 nm
z	2.47 μm	2.48 μm	1.3 μm
Asymmetry	0.667		
Theta	24.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 350.333 (brightness)

B = 122.796 (background)

a = 0.330 px

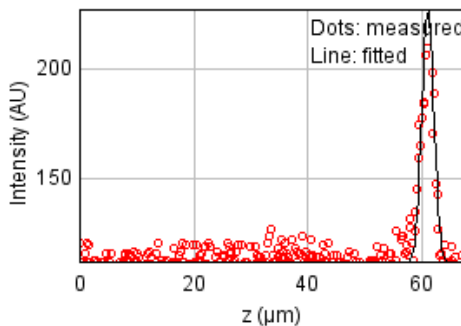
b = 0.127 px

c = 0.558 px

xc = 7.108 px

yc = 9.338 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16060.9820

Standard deviation: 7.23297

R^2 : 0.86920

Parameters:

a = 111.54031

b = 227.13137

c = 61.09589

d = 1.04903

Bead 3872 (Rejected)

Date : Mon Oct 17 13:54:53 PDT 2022

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

Frame size : 12 pixels

Coordinates : -122 μm (x), -47.2 μm (y), 61.6 μm (z)

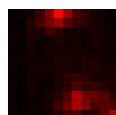
Corresponding bead : Not found

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	2.92 μm	2.93 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

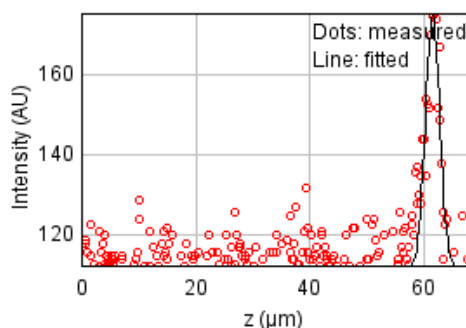
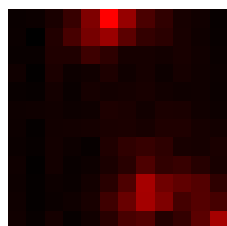
XY profile & fitting parameters :

(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: 13466.7581

Standard deviation: 6.62312

R^2 : 0.73349

Parameters:

$a = 112.16998$

$b = 175.17345$

$c = 61.57190$

$d = 1.23933$

Bead 3873 (Rejected)

Date : Mon Oct 17 13:54:53 PDT 2022

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

Frame size : 12 pixels

Coordinates : -130 μm (x), -88.2 μm (y), 61.0 μm (z)

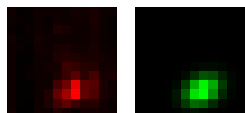
Corresponding bead : Not found

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

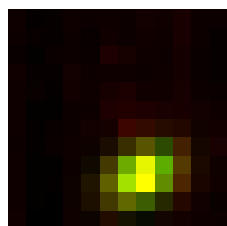
FWHM	Non corrected	Corrected	Theoretical
min	480 nm	500 nm	270 nm
max	673 nm	701 nm	270 nm
z	2.94 μm	2.95 μm	1.3 μm
Asymmetry	0.713		
Theta	28.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 312.451 (brightness)

B = 120.013 (background)

a = 0.361 px

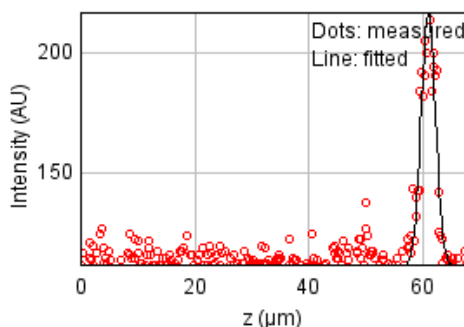
b = 0.120 px

c = 0.518 px

xc = 6.813 px

yc = 8.579 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14437.2296

Standard deviation: 6.85761

R^2 : 0.87749

Parameters:

a = 111.59497

b = 216.47638

c = 61.00418

d = 1.24833

Bead 3874 (Rejected)

Date : Mon Oct 17 13:54:53 PDT 2022

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

Frame size : 12 pixels

Coordinates : -105 μm (x), -18.0 μm (y), 60.9 μm (z)

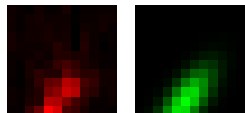
Corresponding bead : Not found

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

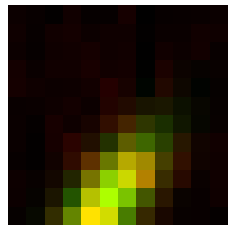
FWHM	Non corrected	Corrected	Theoretical
min	590 nm	615 nm	270 nm
max	1.44 μm	1.5 μm	270 nm
z	2.78 μm	2.79 μm	1.3 μm
Asymmetry	0.41		
Theta	54.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 295.832 (brightness)

B = 123.669 (background)

a = 0.275 px

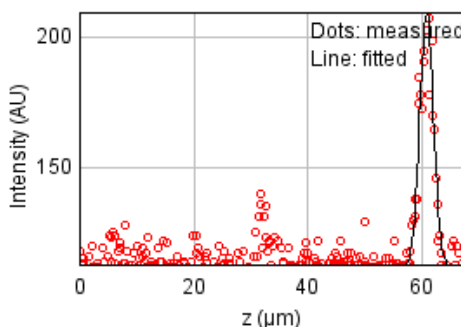
b = 0.152 px

c = 0.174 px

xc = 4.937 px

yc = 10.130 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15513.1126

Standard deviation: 7.10854

R^2 : 0.84504

Parameters:

a = 112.17185

b = 209.51046

c = 60.87833

d = 1.18125

Bead 3875 (Rejected)

Date : Mon Oct 17 13:54:53 PDT 2022

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

Frame size : 12 pixels

Coordinates : -107 μm (x), -22.4 μm (y), 61.2 μm (z)

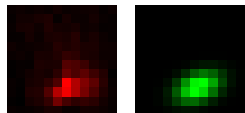
Corresponding bead : Not found

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

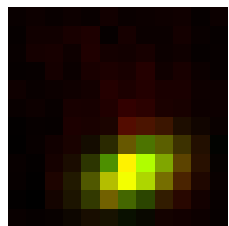
FWHM	Non corrected	Corrected	Theoretical
min	506 nm	527 nm	270 nm
max	837 nm	872 nm	270 nm
z	3.26 μm	3.28 μm	1.3 μm
Asymmetry	0.605		
Theta	21.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 286.436 (brightness)

B = 123.612 (background)

a = 0.237 px

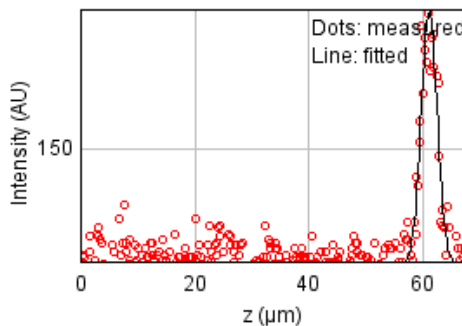
b = 0.115 px

c = 0.478 px

xc = 6.378 px

yc = 8.465 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13320.1449

Standard deviation: 6.58696

R^2 : 0.84881

Parameters:

a = 112.10551

b = 197.10078

c = 61.15849

d = 1.38526

Bead 3876 (Rejected)

Date : Mon Oct 17 13:54:53 PDT 2022

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

Frame size : 12 pixels

Coordinates : -122 μm (x), -33.2 μm (y), 61.9 μm (z)

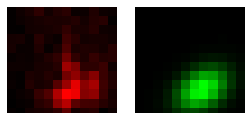
Corresponding bead : Not found

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

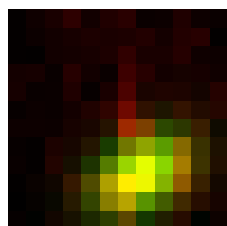
FWHM	Non corrected	Corrected	Theoretical
min	683 nm	711 nm	270 nm
max	1.0 μm	1.04 μm	270 nm
z	2.53 μm	2.54 μm	1.3 μm
Asymmetry	0.682		
Theta	33.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.811$



Parameters:

A = 142.163 (brightness)

B = 118.280 (background)

a = 0.181 px

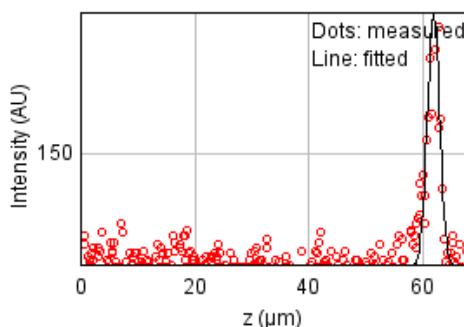
b = 0.071 px

c = 0.241 px

xc = 6.803 px

yc = 8.488 px

Z profile & fitting parameters:



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

Sum of residuals squared: 12399.3814

Standard deviation: 6.35522

R^2 : 0.83264

Parameters:

a = 111.64294

b = 198.52223

c = 61.90408

d = 1.07485

Bead 3877

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

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

Frame size : 12 pixels

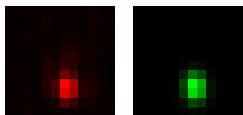
Coordinates : -1.04 μm (x), -90.4 μm (y), 60.8 μm (z)

Corresponding bead : Not found

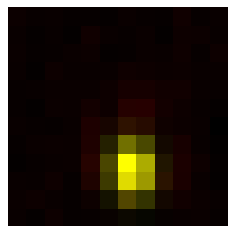
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	524 nm	546 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.759		
Theta	-87.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 577.307$ (brightness)

$B = 124.027$ (background)

$a = 0.846$ px

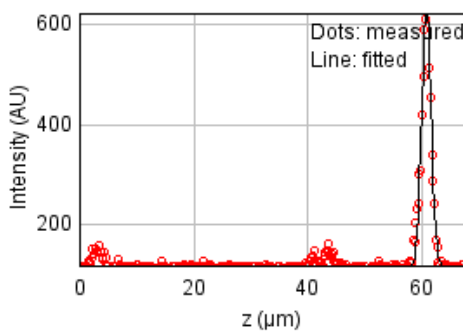
$b = -0.019$ px

$c = 0.489$ px

$x_c = 6.273$ px

$y_c = 8.354$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 49531.0952

Standard deviation: 12.70193

$R^2: 0.97082$

Parameters:

$a = 116.85771$

$b = 625.24009$

$c = 60.84309$

$d = 0.82709$

Bead 3878 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : -47.8 μm (x), -61.5 μm (y), 61.6 μm (z)

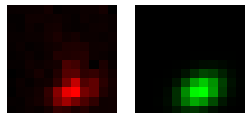
Corresponding bead : Not found

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

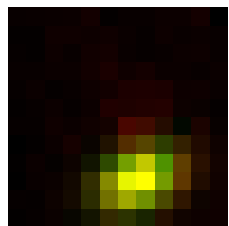
FWHM	Non corrected	Corrected	Theoretical
min	542 nm	565 nm	270 nm
max	777 nm	809 nm	270 nm
z	3.23 μm	3.24 μm	1.3 μm
Asymmetry	0.698		
Theta	26.9°		

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 = 320.590 (brightness)

B = 125.312 (background)

a = 0.270 px

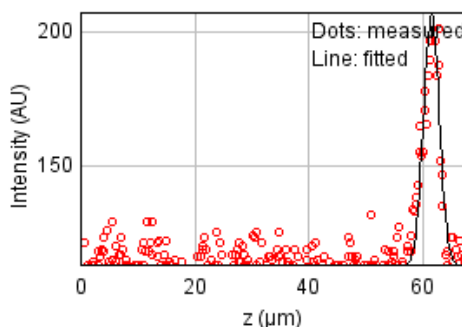
b = 0.094 px

c = 0.408 px

xc = 6.611 px

yc = 8.892 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16489.5689

Standard deviation: 7.32884

R^2 : 0.84835

Parameters:

a = 112.46100

b = 207.34721

c = 61.55537

d = 1.36990

Bead 3879

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

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

Frame size : 12 pixels

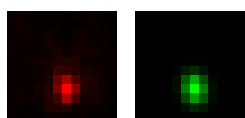
Coordinates : -104 μm (x), -80.8 μm (y), 60.6 μm (z)

Corresponding bead : Not found

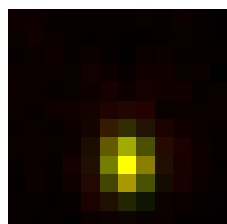
FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	542 nm	564 nm	270 nm
z	2.1 μm	2.1 μm	1.3 μm
Asymmetry	0.801		
Theta	-81.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 507.586$ (brightness)

$B = 125.125$ (background)

$a = 0.709$ px

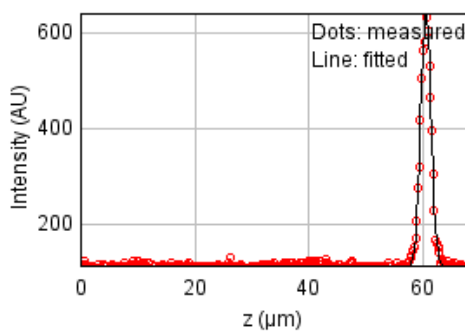
$b = -0.037$ px

$c = 0.463$ px

$x_c = 6.001$ px

$y_c = 7.937$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 15862.4326

Standard deviation: 7.18813

$R^2 = 0.99173$

Parameters:

$a = 112.80488$

$b = 640.23160$

$c = 60.56659$

$d = 0.88979$

Bead 3880

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

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

Frame size : 12 pixels

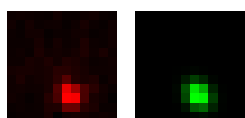
Coordinates : -144 μm (x), -42.3 μm (y), 60.9 μm (z)

Corresponding bead : Not found

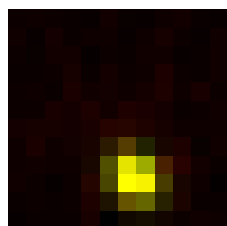
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	510 nm	531 nm	270 nm
z	2.37 μm	2.38 μm	1.3 μm
Asymmetry	0.821		
Theta	-51.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 488.097$ (brightness)

$B = 122.927$ (background)

$a = 0.670$ px

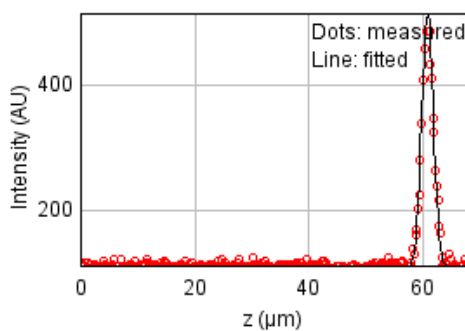
$b = -0.121$ px

$c = 0.611$ px

$x_c = 6.405$ px

$y_c = 8.674$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18622.8621

Standard deviation: 7.78850

$R^2: 0.98532$

Parameters:

$a = 111.86151$

$b = 515.28780$

$c = 60.86888$

$d = 1.00590$

Bead 3881 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : -141 μm (x), -48.5 μm (y), 61.2 μm (z)

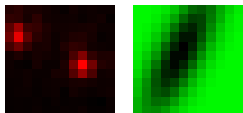
Corresponding bead : Not found

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

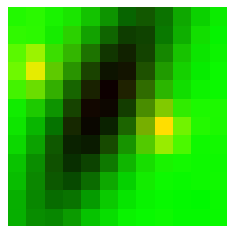
FWHM	Non corrected	Corrected	Theoretical
min	892 nm	929 nm	270 nm
max	2.89 μm	3.01 μm	270 nm
z	1.99 μm	2.0 μm	1.3 μm
Asymmetry	0.309		
Theta	62.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.087$



Parameters:

A = -37.947 (brightness)

B = 167.440 (background)

a = 0.129 px

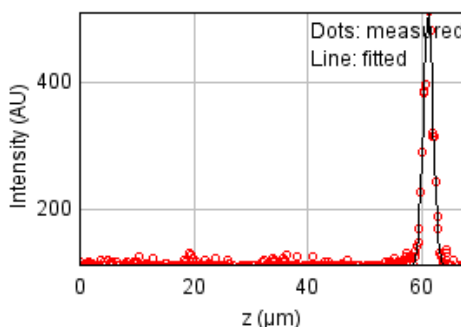
b = 0.076 px

c = 0.023 px

xc = 4.643 px

yc = 4.740 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32610.1168

Standard deviation: 10.30640

R^2 : 0.96937

Parameters:

a = 111.25448

b = 509.40370

c = 61.15304

d = 0.84552

Bead 3882

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

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

Frame size : 12 pixels

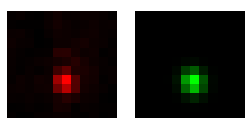
Coordinates : -150 μm (x), -66.6 μm (y), 20.3 μm (z)

Corresponding bead : Not found

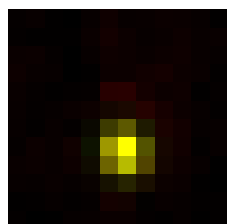
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	449 nm	468 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.89		
Theta	-70.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 549.397$ (brightness)

$B = 122.978$ (background)

$a = 0.820$ px

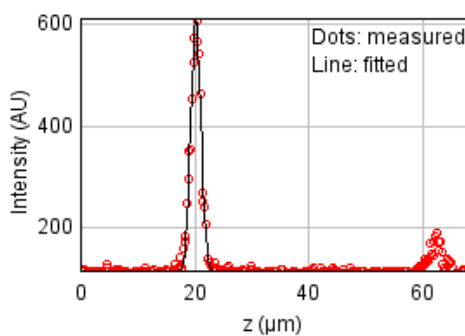
$b = -0.054$ px

$c = 0.684$ px

$x_c = 5.833$ px

$y_c = 7.257$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 70271.9738

Standard deviation: 15.12941

$R^2: 0.95996$

Parameters:

$a = 113.93674$

$b = 611.89776$

$c = 20.27468$

$d = 0.88417$

Bead 3883 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : -36.9 μm (x), -89.3 μm (y), 61.4 μm (z)

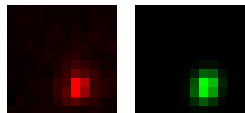
Corresponding bead : Not found

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

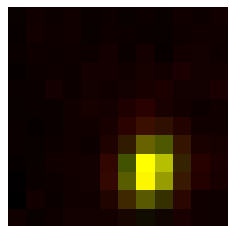
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	443 nm	270 nm
max	539 nm	561 nm	270 nm
z	2.64 μm	2.65 μm	1.3 μm
Asymmetry	0.789		
Theta	71.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 508.403 (brightness)

B = 124.967 (background)

a = 0.714 px

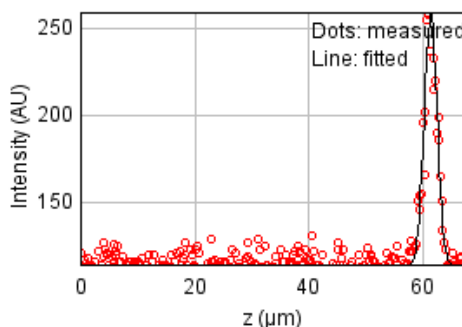
b = 0.083 px

c = 0.489 px

xc = 7.247 px

yc = 8.420 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17047.0137

Standard deviation: 7.45169

R^2 : 0.91394

Parameters:

a = 113.52715

b = 259.53810

c = 61.41472

d = 1.11963

Bead 3884 (Rejected)

Date : Mon Oct 17 13:54:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : -140 μm (x), -72.9 μm (y), 61.4 μm (z)

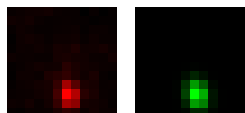
Corresponding bead : Not found

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

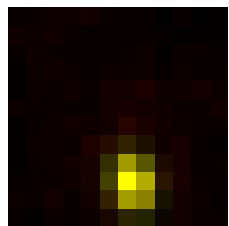
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	533 nm	555 nm	270 nm
z	4.24 μm	4.26 μm	1.3 μm
Asymmetry	0.722		
Theta	-77.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 432.788 (brightness)

B = 118.239 (background)

a = 0.885 px

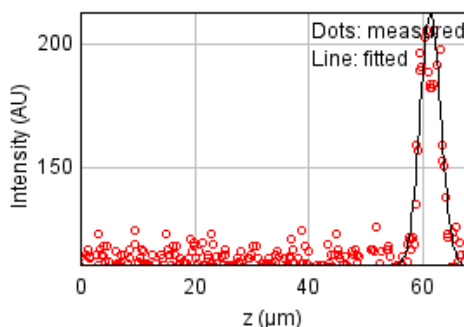
b = -0.091 px

c = 0.492 px

xc = 6.285 px

yc = 9.061 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22342.4474

Standard deviation: 8.53093

R^2 : 0.86103

Parameters:

a = 110.16230

b = 212.76618

c = 61.36253

d = 1.80191

Bead 3885 (Rejected)

Date : Mon Oct 17 13:54:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : -120 μm (x), -77.0 μm (y), 62.9 μm (z)

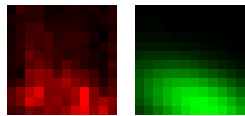
Corresponding bead : Not found

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

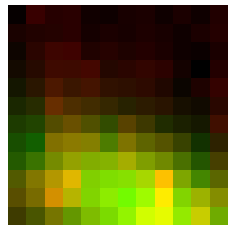
FWHM	Non corrected	Corrected	Theoretical
min	1.28 μm	1.33 μm	270 nm
max	2.64 μm	2.75 μm	270 nm
z	2.59 μm	2.6 μm	1.3 μm
Asymmetry	0.484		
Theta	-22.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.779$



Parameters:

A = 105.383 (brightness)

B = 119.005 (background)

a = 0.028 px

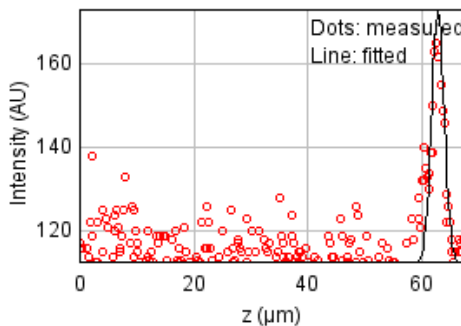
b = -0.022 px

c = 0.073 px

xc = 6.919 px

yc = 10.563 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14581.4399

Standard deviation: 6.89177

R^2 : 0.67807

Parameters:

a = 112.34939

b = 173.03291

c = 62.85064

d = 1.09832

Bead 3886 (Rejected)

Date : Mon Oct 17 13:54:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : -120 μm (x), -77.2 μm (y), 62.0 μm (z)

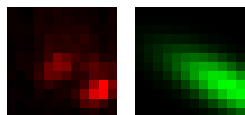
Corresponding bead : Not found

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

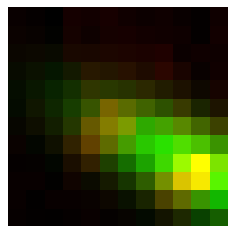
FWHM	Non corrected	Corrected	Theoretical
min	775 nm	807 nm	270 nm
max	2.34 μm	2.44 μm	270 nm
z	4.13 μm	4.15 μm	1.3 μm
Asymmetry	0.331		
Theta	-26.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.631$



Parameters:

A = 215.196 (brightness)

B = 121.672 (background)

a = 0.065 px

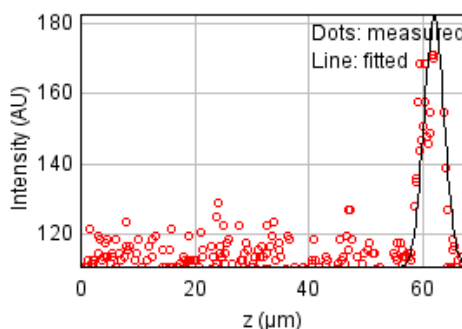
b = -0.080 px

c = 0.183 px

xc = 9.918 px

yc = 8.227 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20123.0969

Standard deviation: 8.09614

R^2 : 0.76630

Parameters:

a = 110.65699

b = 182.36259

c = 62.01712

d = 1.75347

Bead 3887

Date : Mon Oct 17 13:54:55 PDT 2022

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

Frame size : 12 pixels

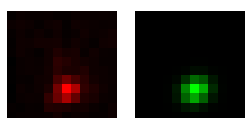
Coordinates : -115 μm (x), -78.5 μm (y), 61.5 μm (z)

Corresponding bead : Not found

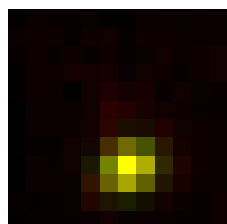
FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	520 nm	541 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.845		
Theta	23.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 490.050$ (brightness)

$B = 121.232$ (background)

$a = 0.529$ px

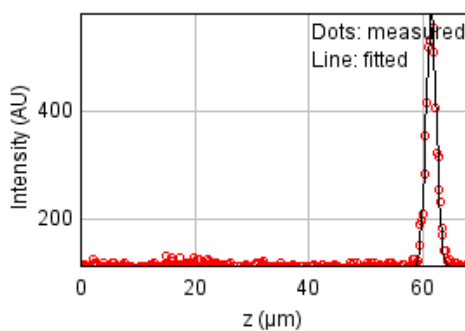
$b = 0.074$ px

$c = 0.664$ px

$x_c = 6.109$ px

$y_c = 8.157$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22773.7391

Standard deviation: 8.61287

$R^2: 0.98532$

Parameters:

$a = 112.49084$

$b = 584.41484$

$c = 61.50772$

$d = 0.89377$

Bead 3888 (Rejected)

Date : Mon Oct 17 13:54:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : -135 μm (x), -60.0 μm (y), 61.8 μm (z)

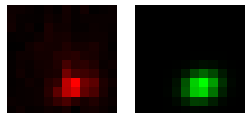
Corresponding bead : Not found

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

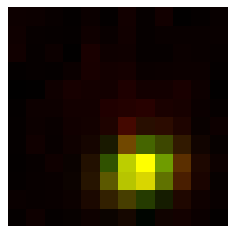
FWHM	Non corrected	Corrected	Theoretical
min	484 nm	504 nm	270 nm
max	634 nm	660 nm	270 nm
z	3.61 μm	3.62 μm	1.3 μm
Asymmetry	0.763		
Theta	16.9°		

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 = 408.364 (brightness)

B = 125.325 (background)

a = 0.354 px

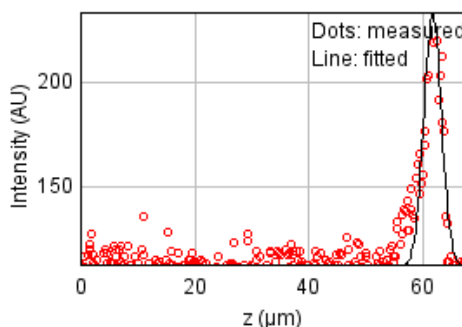
b = 0.067 px

c = 0.553 px

xc = 6.734 px

yc = 8.370 px

Z profile & fitting parameters:



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

Sum of residuals squared: 26061.8566

Standard deviation: 9.21369

R^2 : 0.86732

Parameters:

a = 111.68686

b = 234.16210

c = 61.76073

d = 1.53253

Bead 3889 (Rejected)

Date : Mon Oct 17 13:54:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : -121 μm (x), -84.5 μm (y), 62.7 μm (z)

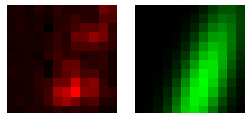
Corresponding bead : Not found

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

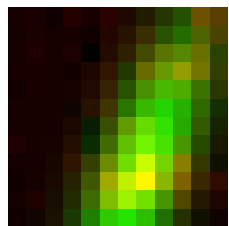
FWHM	Non corrected	Corrected	Theoretical
min	859 nm	895 nm	270 nm
max	3.11 μm	3.24 μm	270 nm
z	2.66 μm	2.67 μm	1.3 μm
Asymmetry	0.277		
Theta	69.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.601$



Parameters:

A = 111.579 (brightness)

B = 116.829 (background)

a = 0.162 px

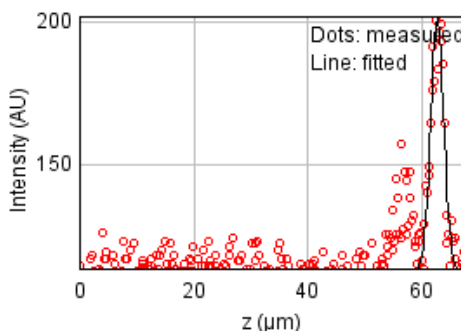
b = 0.054 px

c = 0.034 px

xc = 6.777 px

yc = 8.412 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23011.1793

Standard deviation: 8.65765

R^2 : 0.74341

Parameters:

a = 113.76627

b = 202.05024

c = 62.74062

d = 1.12835

Bead 3890 (Rejected)

Date : Mon Oct 17 13:54:55 PDT 2022

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

Frame size : 12 pixels

Coordinates : -76.1 μm (x), -96.8 μm (y), 61.6 μm (z)

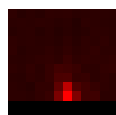
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

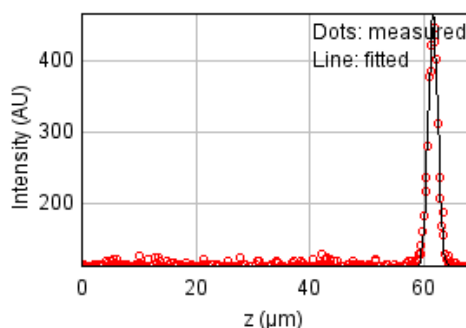
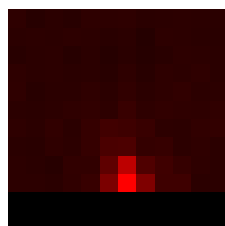
XY profile & fitting parameters :

(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: 20595.7526

Standard deviation: 8.19067

R^2 : 0.97483

Parameters:

$a = 113.15050$

$b = 466.32985$

$c = 61.64126$

$d = 0.82992$

Bead 3891 (Rejected)

Date : Mon Oct 17 13:54:56 PDT 2022

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

Frame size : 12 pixels

Coordinates : -121 μm (x), -96.6 μm (y), 61.9 μm (z)

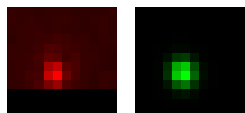
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

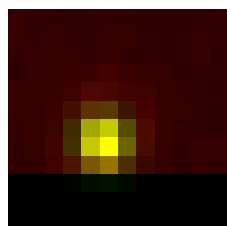
FWHM	Non corrected	Corrected	Theoretical
min	474 nm	493 nm	270 nm
max	515 nm	537 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.919		
Theta	-74.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.634$



Parameters:

A = 535.291 (brightness)

B = 88.260 (background)

a = 0.591 px

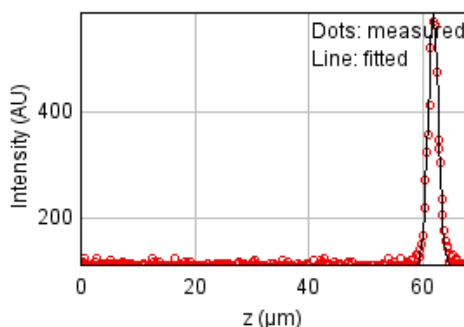
b = -0.024 px

c = 0.512 px

xc = 4.690 px

yc = 6.708 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32105.5224

Standard deviation: 10.22635

R^2 : 0.97984

Parameters:

a = 112.66735

b = 588.85137

c = 61.85940

d = 0.89640

Bead 3892 (Rejected)

Date : Mon Oct 17 13:54:56 PDT 2022

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

Frame size : 12 pixels

Coordinates : -153 μm (x), -90.1 μm (y), 63.2 μm (z)

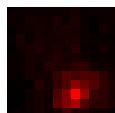
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.6 μm	3.61 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

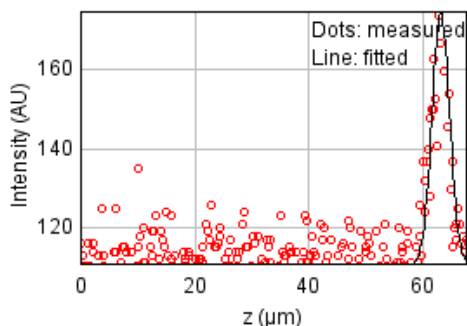
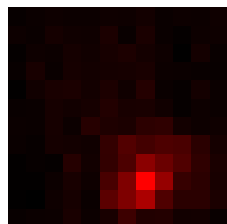
XY profile & fitting parameters :

(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: 15835.7712

Standard deviation: 7.18208

R²: 0.74769

Parameters:

a = 110.51683

b = 174.86039

c = 63.18685

d = 1.52877

Bead 3893 (Rejected)

Date : Mon Oct 17 13:54:56 PDT 2022

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

Frame size : 12 pixels

Coordinates : -153 μm (x), -93.9 μm (y), 44.2 μm (z)

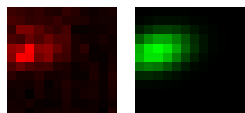
Corresponding bead : Not found

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

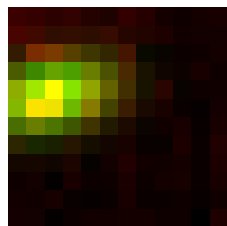
FWHM	Non corrected	Corrected	Theoretical
min	678 nm	706 nm	270 nm
max	1.2 μm	1.25 μm	270 nm
z	3.03 μm	3.05 μm	1.3 μm
Asymmetry	0.566		
Theta	13.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 146.388 (brightness)

B = 112.696 (background)

a = 0.104 px

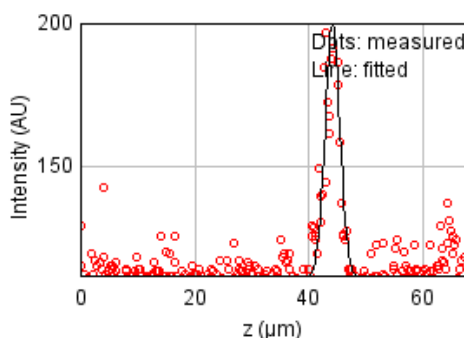
b = 0.045 px

c = 0.281 px

xc = 1.813 px

yc = 4.322 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22046.5705

Standard deviation: 8.47425

R^2 : 0.77286

Parameters:

a = 111.96446

b = 200.01044

c = 44.20891

d = 1.28786

Bead 3894 (Rejected)

Date : Mon Oct 17 13:54:56 PDT 2022

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

Frame size : 12 pixels

Coordinates : -153 μm (x), -95.1 μm (y), 62.2 μm (z)

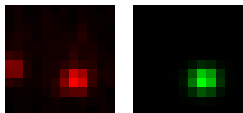
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

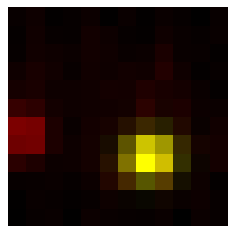
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	462 nm	270 nm
max	495 nm	516 nm	270 nm
z	2.72 μm	2.73 μm	1.3 μm
Asymmetry	0.896		
Theta	8.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 518.526 (brightness)

B = 135.610 (background)

a = 0.550 px

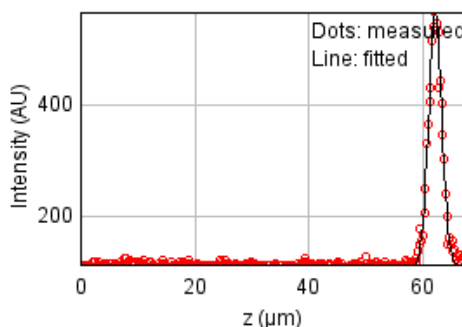
b = 0.019 px

c = 0.679 px

xc = 7.242 px

yc = 7.688 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22519.4434

Standard deviation: 8.56465

R^2 : 0.98783

Parameters:

a = 111.29578

b = 568.67899

c = 62.21559

d = 1.15420