

Bead 1301

Date : Mon Oct 17 13:51:57 PDT 2022

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

Frame size : 12 pixels

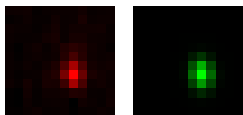
Coordinates : 1.54 μm (x), -50.5 μm (y), 25.4 μm (z)

Corresponding bead : Not found

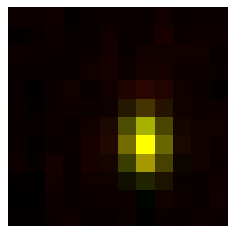
FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	551 nm	574 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.705		
Theta	-86.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 402.543$ (brightness)

$B = 119.485$ (background)

$a = 0.887$ px

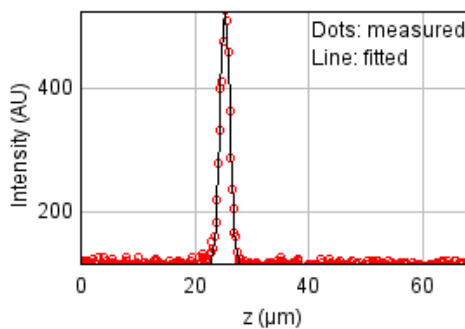
$b = -0.025$ px

$c = 0.443$ px

$x_c = 6.989$ px

$y_c = 6.915$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17207.1813

Standard deviation: 7.48662

$R^2: 0.98469$

Parameters:

$a = 113.85652$

$b = 527.05725$

$c = 25.38335$

$d = 0.84160$

Bead 1302

Date : Mon Oct 17 13:51:57 PDT 2022

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

Frame size : 12 pixels

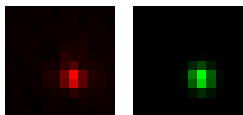
Coordinates : -81.2 μm (x), -58.9 μm (y), 25.7 μm (z)

Corresponding bead : Not found

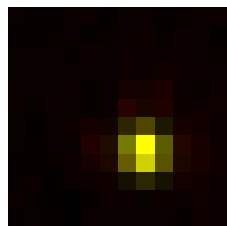
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	428 nm	445 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.911		
Theta	-74.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 614.238 (brightness)

B = 122.448 (background)

a = 0.873 px

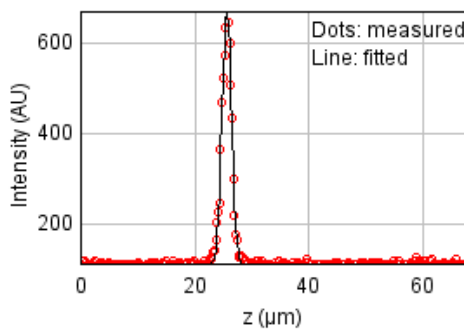
b = -0.039 px

c = 0.745 px

xc = 6.938 px

yc = 7.362 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18768.3586

Standard deviation: 7.81887

R^2 : 0.99050

Parameters:

a = 113.23059

b = 667.90679

c = 25.69920

d = 0.82533

Bead 1303

Date : Mon Oct 17 13:51:57 PDT 2022

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

Frame size : 12 pixels

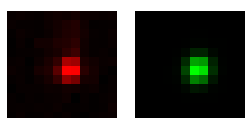
Coordinates : 156 μm (x), -79.7 μm (y), 25.7 μm (z)

Corresponding bead : Not found

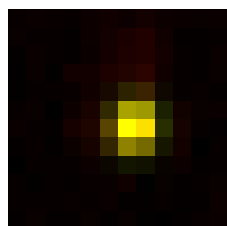
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	491 nm	511 nm	270 nm
z	2.28 μm	2.29 μm	1.3 μm
Asymmetry	0.871		
Theta	78.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 438.279$ (brightness)

$B = 114.452$ (background)

$a = 0.728$ px

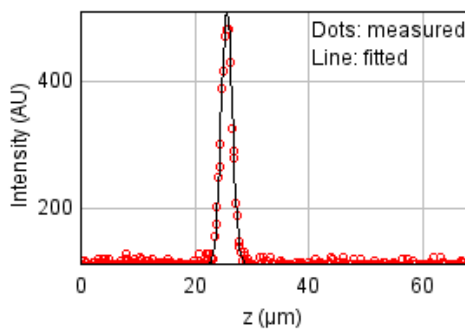
$b = 0.034$ px

$c = 0.564$ px

$x_c = 6.413$ px

$y_c = 5.875$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21131.6580

Standard deviation: 8.29655

$R^2: 0.98238$

Parameters:

$a = 110.60724$

$b = 509.73631$

$c = 25.71038$

$d = 0.96688$

Bead 1304

Date : Mon Oct 17 13:51:57 PDT 2022

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

Frame size : 12 pixels

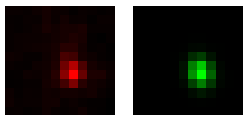
Coordinates : 67.1 μm (x), -82.6 μm (y), 24.8 μm (z)

Corresponding bead : Not found

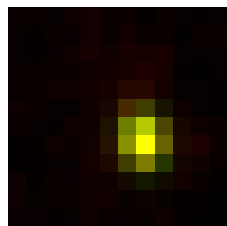
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	436 nm	270 nm
max	533 nm	555 nm	270 nm
z	1.83 μm	1.84 μm	1.3 μm
Asymmetry	0.785		
Theta	-80.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 383.640$ (brightness)

$B = 116.360$ (background)

$a = 0.759$ px

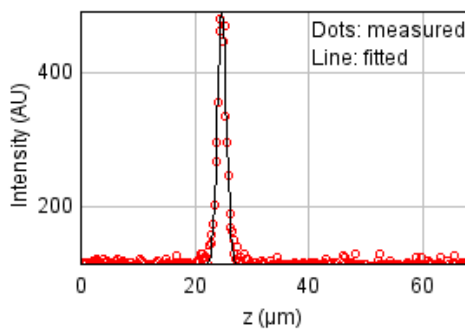
$b = -0.049$ px

$c = 0.481$ px

$x_c = 6.859$ px

$y_c = 6.732$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20392.6942

Standard deviation: 8.15020

$R^2: 0.97668$

Parameters:

$a = 113.38874$

$b = 490.38688$

$c = 24.83611$

$d = 0.77740$

Bead 1305

Date : Mon Oct 17 13:51:57 PDT 2022

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

Frame size : 12 pixels

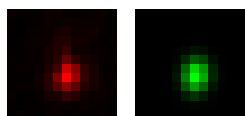
Coordinates : 58.8 μm (x), -85.6 μm (y), 21.1 μm (z)

Corresponding bead : Not found

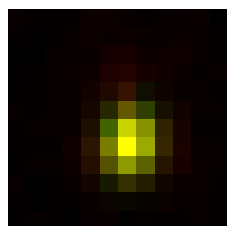
FWHM	Non corrected	Corrected	Theoretical
min	490 nm	510 nm	270 nm
max	625 nm	651 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.784		
Theta	83.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 531.493 (brightness)

B = 120.191 (background)

a = 0.556 px

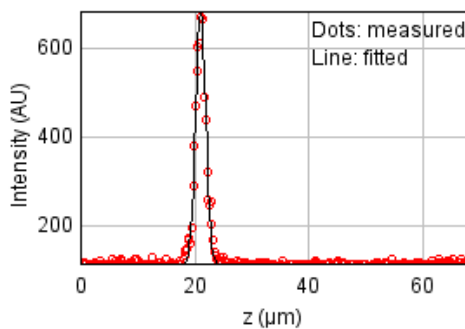
b = 0.025 px

c = 0.347 px

xc = 6.145 px

yc = 6.766 px

Z profile & fitting parameters:



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

Sum of residuals squared: 44494.4172

Standard deviation: 12.03881

R^2 : 0.98002

Parameters:

a = 113.61354

b = 683.19681

c = 21.12256

d = 0.87493

Bead 1306

Date : Mon Oct 17 13:51:58 PDT 2022

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

Frame size : 12 pixels

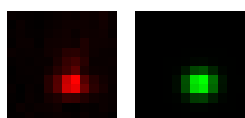
Coordinates : -10.9 μm (x), -86.9 μm (y), 25.7 μm (z)

Corresponding bead : Not found

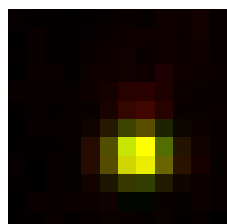
FWHM	Non corrected	Corrected	Theoretical
min	458 nm	477 nm	270 nm
max	532 nm	554 nm	270 nm
z	2.0 μm	2.0 μm	1.3 μm
Asymmetry	0.862		
Theta	2.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 467.037$ (brightness)

$B = 125.483$ (background)

$a = 0.475$ px

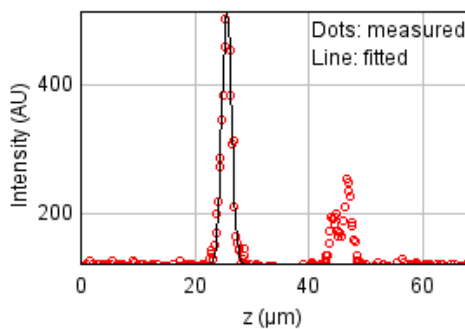
$b = 0.007$ px

$c = 0.639$ px

$x_c = 6.611$ px

$y_c = 7.445$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 164128.174

Standard deviation: 23.12184

$R^2: 0.86177$

Parameters:

$a = 120.25850$

$b = 516.29686$

$c = 25.69909$

$d = 0.84731$

Bead 1307

Date : Mon Oct 17 13:51:58 PDT 2022

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

Frame size : 12 pixels

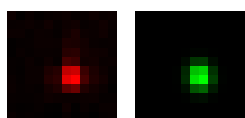
Coordinates : -101 μm (x), -86.9 μm (y), 25.8 μm (z)

Corresponding bead : Not found

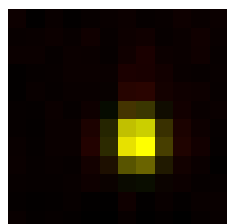
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	485 nm	505 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.856		
Theta	-83.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 633.412 (brightness)

B = 123.375 (background)

a = 0.777 px

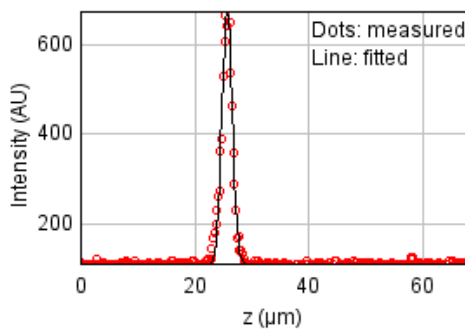
b = -0.023 px

c = 0.573 px

xc = 6.571 px

yc = 6.664 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30035.1253

Standard deviation: 9.89112

R^2 : 0.98626

Parameters:

a = 112.84694

b = 671.44426

c = 25.75651

d = 0.89970

Bead 1308

Date : Mon Oct 17 13:51:58 PDT 2022

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

Frame size : 12 pixels

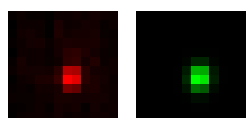
Coordinates : -135 μm (x), -94.0 μm (y), 25.6 μm (z)

Corresponding bead : Not found

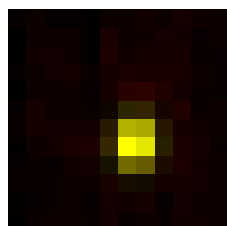
FWHM	Non corrected	Corrected	Theoretical
min	371 nm	386 nm	270 nm
max	468 nm	487 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.793		
Theta	85.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 450.383$ (brightness)

$B = 118.114$ (background)

$a = 0.973$ px

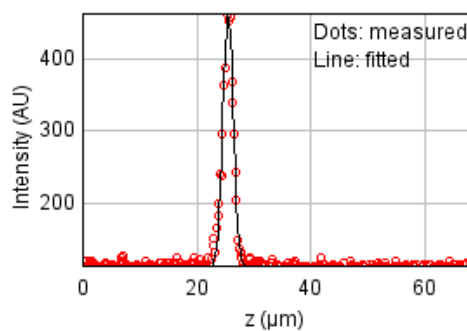
$b = 0.028$ px

$c = 0.616$ px

$x_c = 6.453$ px

$y_c = 6.776$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17301.0586

Standard deviation: 7.50701

$R^2: 0.98027$

Parameters:

$a = 111.44026$

$b = 464.08346$

$c = 25.57586$

$d = 0.90056$

Bead 1309

Date : Mon Oct 17 13:51:58 PDT 2022

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

Frame size : 12 pixels

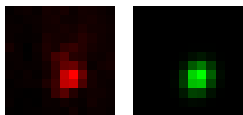
Coordinates : 5.2 um (x), 89.6 um (y), 25.9 um (z)

Corresponding bead : Not found

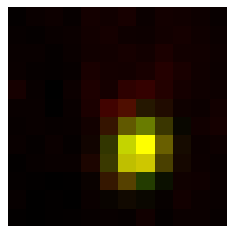
FWHM	Non corrected	Corrected	Theoretical
min	464 nm	483 nm	270 nm
max	549 nm	572 nm	270 nm
z	2.26 um	2.27 um	1.3 um
Asymmetry	0.845		
Theta	62.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 387.589 (brightness)

B = 123.887 (background)

a = 0.587 px

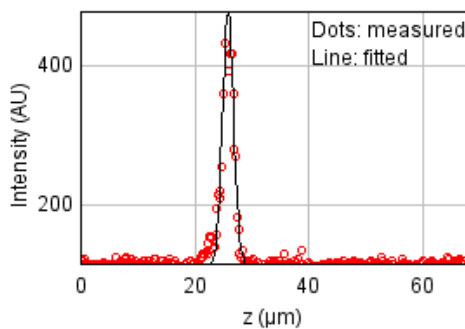
b = 0.072 px

c = 0.482 px

xc = 6.622 px

yc = 7.302 px

Z profile & fitting parameters:



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

Sum of residuals squared: 44472.2325

Standard deviation: 12.03581

R^2 : 0.95633

Parameters:

a = 114.92053

b = 479.02054

c = 25.92842

d = 0.95999

Bead 1310 (Rejected)

Date : Mon Oct 17 13:51:58 PDT 2022

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

Frame size : 12 pixels

Coordinates : 35.1 μm (x), 74.8 μm (y), 24.6 μm (z)

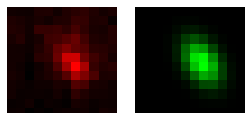
Corresponding bead : Not found

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

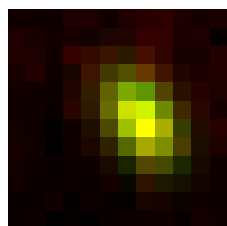
FWHM	Non corrected	Corrected	Theoretical
min	585 nm	609 nm	270 nm
max	901 nm	939 nm	270 nm
z	1.89 μm	1.9 μm	1.3 μm
Asymmetry	0.649		
Theta	-58.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 189.041 (brightness)

B = 118.767 (background)

a = 0.331 px

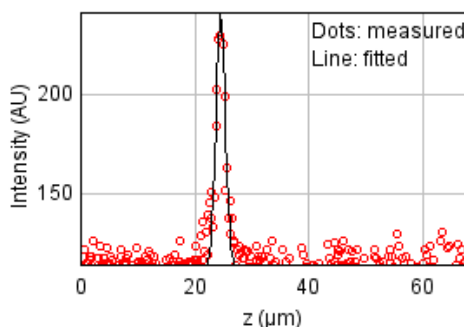
b = -0.101 px

c = 0.226 px

xc = 6.772 px

yc = 5.487 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17594.7573

Standard deviation: 7.57046

R^2 : 0.85161

Parameters:

a = 113.90954

b = 241.44477

c = 24.61330

d = 0.80439

Bead 1311

Date : Mon Oct 17 13:51:59 PDT 2022

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

Frame size : 12 pixels

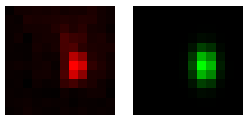
Coordinates : 58.1 μm (x), 64.6 μm (y), 26.0 μm (z)

Corresponding bead : Not found

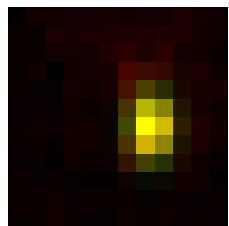
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	623 nm	649 nm	270 nm
z	2.2 μm	2.21 μm	1.3 μm
Asymmetry	0.666		
Theta	-89.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 420.392$ (brightness)

$B = 122.514$ (background)

$a = 0.779$ px

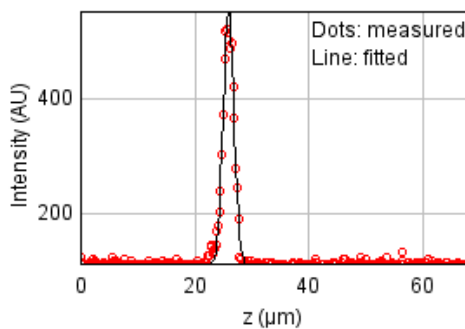
$b = -0.005$ px

$c = 0.346$ px

$x_c = 7.299$ px

$y_c = 6.002$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22473.9258

Standard deviation: 8.55599

$R^2: 0.98409$

Parameters:

$a = 113.06124$

$b = 553.82844$

$c = 26.01697$

$d = 0.93352$

Bead 1312

Date : Mon Oct 17 13:51:59 PDT 2022

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

Frame size : 12 pixels

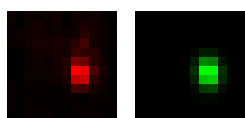
Coordinates : -2.97 μm (x), 52.4 μm (y), 25.8 μm (z)

Corresponding bead : Not found

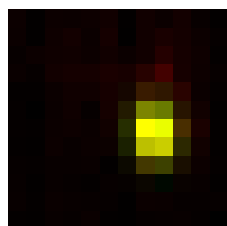
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	412 nm	270 nm
max	537 nm	560 nm	270 nm
z	2.15 μm	2.15 μm	1.3 μm
Asymmetry	0.736		
Theta	-84.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 525.467 (brightness)

B = 123.592 (background)

a = 0.854 px

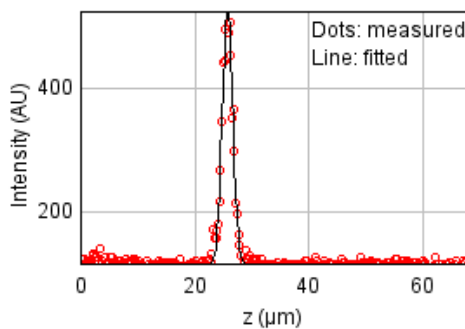
b = -0.039 px

c = 0.468 px

xc = 7.507 px

yc = 6.236 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25623.0486

Standard deviation: 9.13579

R^2 : 0.97878

Parameters:

a = 114.58224

b = 525.67527

c = 25.83256

d = 0.91135

Bead 1313

Date : Mon Oct 17 13:51:59 PDT 2022

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

Frame size : 12 pixels

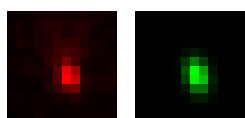
Coordinates : 89.8 μm (x), 40.9 μm (y), 25.3 μm (z)

Corresponding bead : Not found

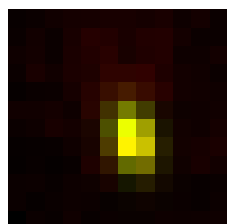
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	613 nm	638 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.648		
Theta	-75.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 346.918 (brightness)

B = 119.407 (background)

a = 0.819 px

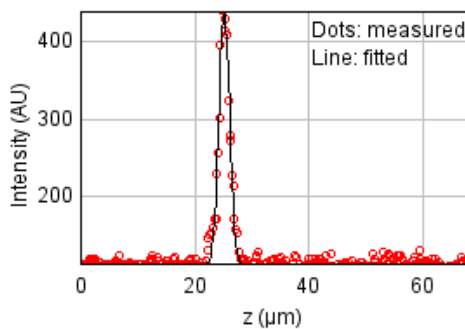
b = -0.121 px

c = 0.389 px

xc = 6.287 px

yc = 6.529 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24267.0985

Standard deviation: 8.89078

R^2 : 0.96895

Parameters:

a = 113.25989

b = 439.15765

c = 25.25679

d = 0.93018

Bead 1314

Date : Mon Oct 17 13:51:59 PDT 2022

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

Frame size : 12 pixels

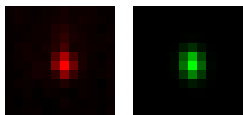
Coordinates : -104 μm (x), 28.5 μm (y), 26.0 μm (z)

Corresponding bead : Not found

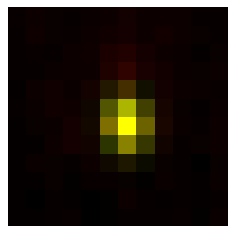
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	515 nm	536 nm	270 nm
z	2.17 μm	2.18 μm	1.3 μm
Asymmetry	0.748		
Theta	-83.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 563.657 (brightness)

B = 122.951 (background)

a = 0.899 px

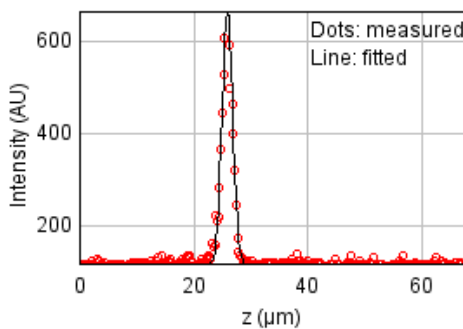
b = -0.044 px

c = 0.511 px

xc = 5.958 px

yc = 5.833 px

Z profile & fitting parameters:



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

Sum of residuals squared: 69341.6546

Standard deviation: 15.02892

R^2 : 0.96849

Parameters:

a = 114.90315

b = 664.00254

c = 25.98258

d = 0.92192

Bead 1315 (Rejected)

Date : Mon Oct 17 13:51:59 PDT 2022

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

Frame size : 12 pixels

Coordinates : 86.0 um (x), -30.7 um (y), 15.9 um (z)

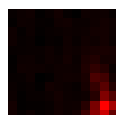
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.74 um	2.75 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

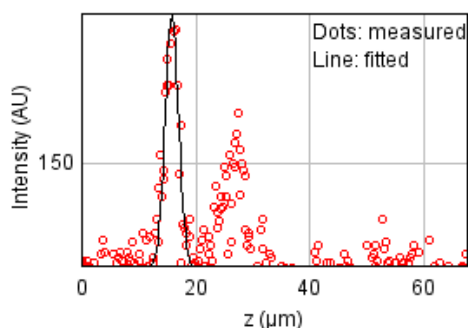
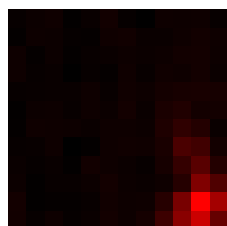
XY profile & fitting parameters :

(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: 37757.5147

Standard deviation: 11.09002

R²: 0.62134

Parameters:

a = 115.82384

b = 199.77299

c = 15.88843

d = 1.16180

Bead 1316

Date : Mon Oct 17 13:51:59 PDT 2022

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

Frame size : 12 pixels

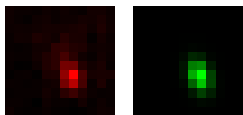
Coordinates : 141 um (x), -41.1 um (y), 22.3 um (z)

Corresponding bead : Not found

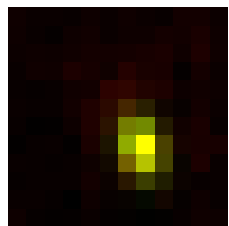
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	583 nm	607 nm	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.652		
Theta	-72.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 281.638 (brightness)

B = 118.418 (background)

a = 0.884 px

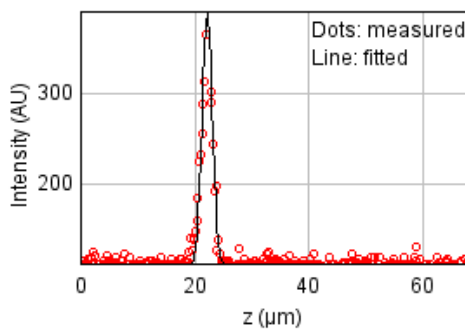
b = -0.151 px

c = 0.442 px

xc = 6.745 px

yc = 7.110 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21633.8913

Standard deviation: 8.39456

R^2 : 0.96136

Parameters:

a = 110.46112

b = 391.34859

c = 22.27621

d = 0.88802

Bead 1317

Date : Mon Oct 17 13:51:59 PDT 2022

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

Frame size : 12 pixels

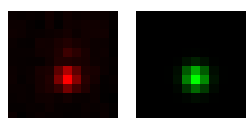
Coordinates : -109 μm (x), -77.9 μm (y), 25.7 μm (z)

Corresponding bead : Not found

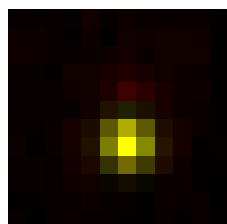
FWHM	Non corrected	Corrected	Theoretical
min	446 nm	465 nm	270 nm
max	462 nm	481 nm	270 nm
z	2.04 μm	2.04 μm	1.3 μm
Asymmetry	0.966		
Theta	-62.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 492.197$ (brightness)

$B = 121.706$ (background)

$a = 0.665$ px

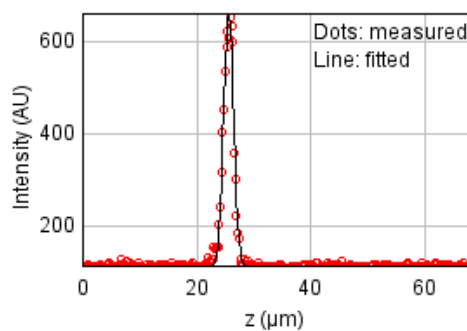
$b = -0.018$ px

$c = 0.639$ px

$x_c = 6.026$ px

$y_c = 6.806$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 37172.8863

Standard deviation: 11.00383

$R^2: 0.98190$

Parameters:

$a = 112.96213$

$b = 663.64293$

$c = 25.67920$

$d = 0.86442$

Bead 1318

Date : Mon Oct 17 13:51:59 PDT 2022

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

Frame size : 12 pixels

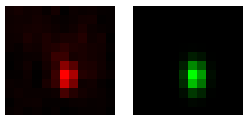
Coordinates : 24.5 um (x), 87.4 um (y), 26.3 um (z)

Corresponding bead : Not found

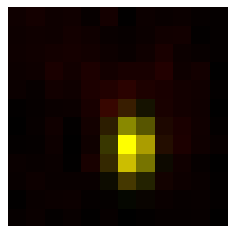
FWHM	Non corrected	Corrected	Theoretical
min	364 nm	379 nm	270 nm
max	541 nm	563 nm	270 nm
z	1.99 um	1.99 um	1.3 um
Asymmetry	0.672		
Theta	90.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 453.370 (brightness)

B = 124.875 (background)

a = 1.015 px

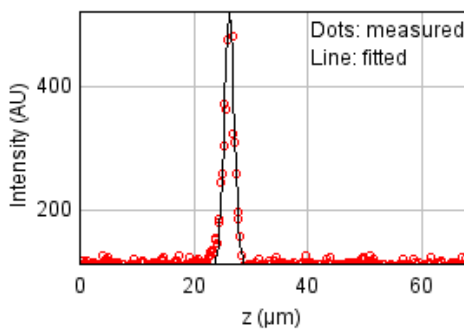
b = 0.000 px

c = 0.459 px

xc = 6.260 px

yc = 7.177 px

Z profile & fitting parameters:



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

Sum of residuals squared: 34261.1863

Standard deviation: 10.56409

R^2 : 0.96931

Parameters:

a = 113.59092

b = 521.70094

c = 26.31124

d = 0.84367

Bead 1319

Date : Mon Oct 17 13:51:59 PDT 2022

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

Frame size : 12 pixels

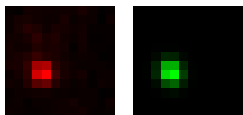
Coordinates : -81.9 μm (x), 78.3 μm (y), 4.08 μm (z)

Corresponding bead : Not found

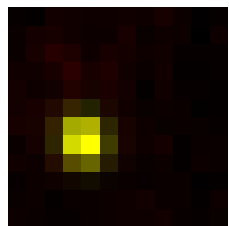
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	420 nm	270 nm
max	462 nm	481 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.872		
Theta	-70.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 350.250$ (brightness)

$B = 121.054$ (background)

$a = 0.803$ px

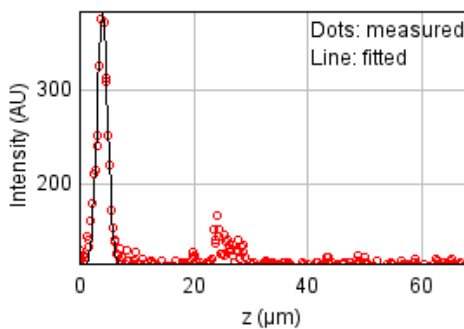
$b = -0.063$ px

$c = 0.651$ px

$x_c = 3.579$ px

$y_c = 6.745$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 36030.5025

Standard deviation: 10.83343

$R^2: 0.93236$

Parameters:

$a = 116.15902$

$b = 383.38388$

$c = 4.07734$

$d = 0.90617$

Bead 1320

Date : Mon Oct 17 13:52:00 PDT 2022

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

Frame size : 12 pixels

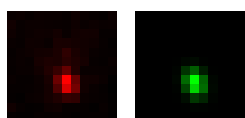
Coordinates : -66.4 μm (x), 73.5 μm (y), 26.2 μm (z)

Corresponding bead : Not found

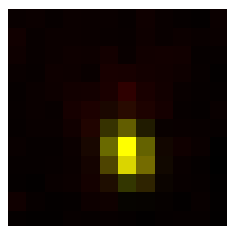
FWHM	Non corrected	Corrected	Theoretical
min	373 nm	388 nm	270 nm
max	495 nm	516 nm	270 nm
z	2.0 μm	2.01 μm	1.3 μm
Asymmetry	0.752		
Theta	-70.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 521.434$ (brightness)

$B = 125.702$ (background)

$a = 0.918$ px

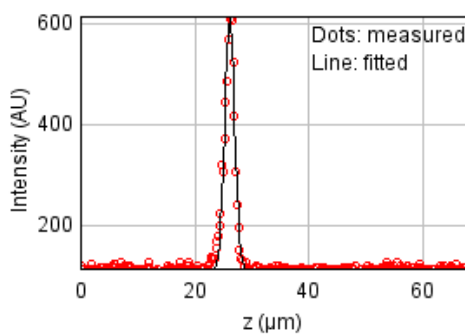
$b = -0.134$ px

$c = 0.596$ px

$x_c = 6.031$ px

$y_c = 7.355$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38023.1092

Standard deviation: 11.12896

$R^2: 0.97740$

Parameters:

$a = 114.16790$

$b = 615.31162$

$c = 26.21685$

$d = 0.85068$

Bead 1321

Date : Mon Oct 17 13:52:00 PDT 2022

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

Frame size : 12 pixels

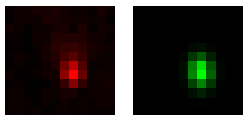
Coordinates : 143 um (x), 71.2 um (y), 25.8 um (z)

Corresponding bead : Not found

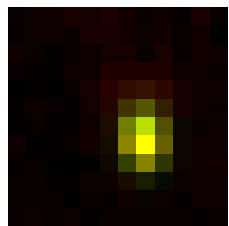
FWHM	Non corrected	Corrected	Theoretical
min	407 nm	423 nm	270 nm
max	582 nm	606 nm	270 nm
z	1.97 um	1.98 um	1.3 um
Asymmetry	0.699		
Theta	-85.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 281.183 (brightness)

B = 116.824 (background)

a = 0.810 px

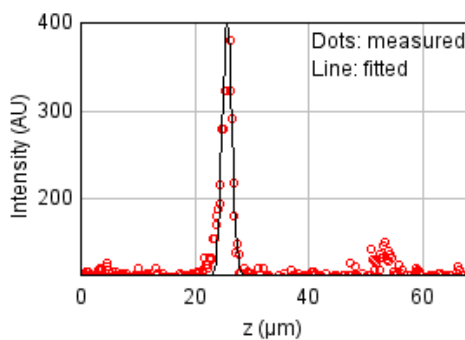
b = -0.032 px

c = 0.399 px

xc = 6.888 px

yc = 6.656 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33666.9658

Standard deviation: 10.47208

R^2 : 0.94088

Parameters:

a = 112.34670

b = 400.59512

c = 25.75628

d = 0.83709

Bead 1322

Date : Mon Oct 17 13:52:00 PDT 2022

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

Frame size : 12 pixels

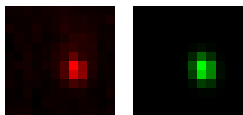
Coordinates : -96.8 μm (x), 70.6 μm (y), 25.5 μm (z)

Corresponding bead : Not found

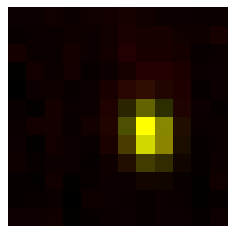
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	499 nm	520 nm	270 nm
z	2.32 μm	2.33 μm	1.3 μm
Asymmetry	0.771		
Theta	-79.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 362.851 (brightness)

B = 118.728 (background)

a = 0.892 px

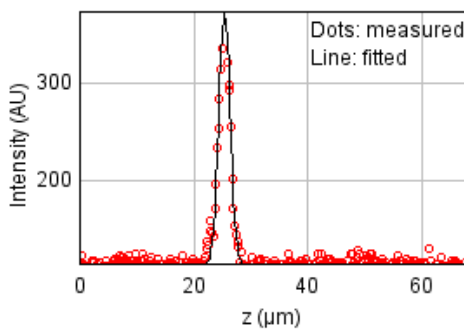
b = -0.069 px

c = 0.551 px

xc = 7.176 px

yc = 6.371 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16066.7937

Standard deviation: 7.23428

R^2 : 0.96929

Parameters:

a = 114.01576

b = 373.66747

c = 25.47143

d = 0.98436

Bead 1323

Date : Mon Oct 17 13:52:00 PDT 2022

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

Frame size : 12 pixels

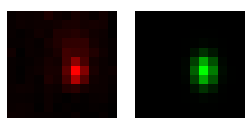
Coordinates : 109 μm (x), 65.4 μm (y), 26.2 μm (z)

Corresponding bead : Not found

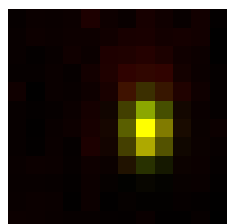
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	412 nm	270 nm
max	566 nm	590 nm	270 nm
z	1.87 μm	1.87 μm	1.3 μm
Asymmetry	0.698		
Theta	-89.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 438.224$ (brightness)

$B = 125.313$ (background)

$a = 0.859$ px

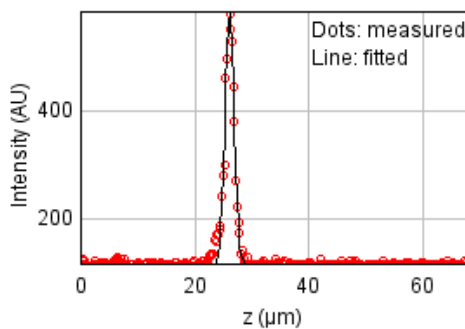
$b = -0.003$ px

$c = 0.418$ px

$x_c = 7.073$ px

$y_c = 6.011$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26471.1826

Standard deviation: 9.28576

$R^2: 0.98119$

Parameters:

$a = 113.31476$

$b = 588.25235$

$c = 26.19231$

$d = 0.79261$

Bead 1324

Date : Mon Oct 17 13:52:00 PDT 2022

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

Frame size : 12 pixels

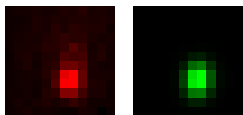
Coordinates : 2.11 μm (x), 48.8 μm (y), 26.0 μm (z)

Corresponding bead : Not found

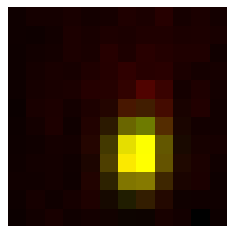
FWHM	Non corrected	Corrected	Theoretical
min	468 nm	488 nm	270 nm
max	608 nm	633 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.77		
Theta	84.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 411.736 (brightness)

B = 122.224 (background)

a = 0.609 px

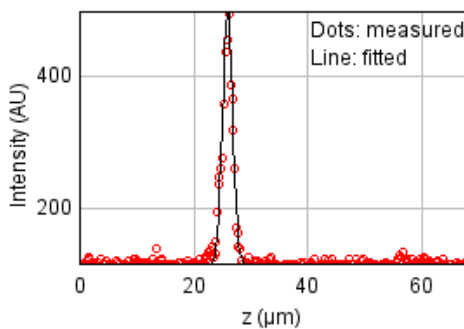
b = 0.025 px

c = 0.366 px

xc = 6.593 px

yc = 7.526 px

Z profile & fitting parameters:



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

Sum of residuals squared: 36063.3898

Standard deviation: 10.83837

R^2 : 0.96519

Parameters:

a = 115.02577

b = 499.09691

c = 26.02558

d = 0.88210

Bead 1325

Date : Mon Oct 17 13:52:00 PDT 2022

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

Frame size : 12 pixels

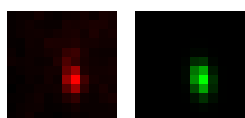
Coordinates : 96.5 μm (x), 47.9 μm (y), 25.8 μm (z)

Corresponding bead : Not found

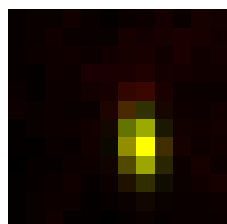
FWHM	Non corrected	Corrected	Theoretical
min	337 nm	351 nm	270 nm
max	572 nm	596 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.589		
Theta	-81.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 348.242$ (brightness)

$B = 119.423$ (background)

$a = 1.166$ px

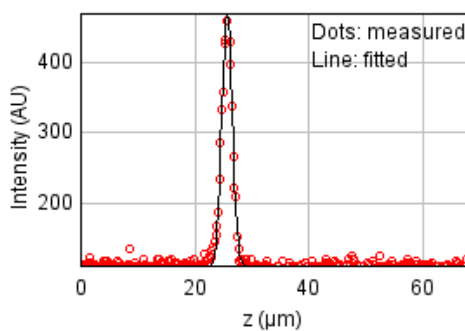
$b = -0.109$ px

$c = 0.426$ px

$x_c = 6.749$ px

$y_c = 6.919$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 16966.9327

Standard deviation: 7.43417

$R^2 = 0.98102$

Parameters:

$a = 112.16812$

$b = 467.72412$

$c = 25.75268$

$d = 0.90400$

Bead 1326

Date : Mon Oct 17 13:52:01 PDT 2022

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

Frame size : 12 pixels

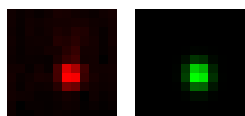
Coordinates : -137 μm (x), 45.5 μm (y), 25.6 μm (z)

Corresponding bead : Not found

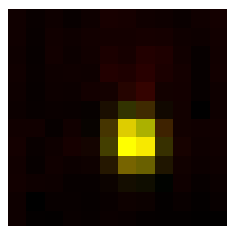
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	482 nm	502 nm	270 nm
z	2.29 μm	2.3 μm	1.3 μm
Asymmetry	0.875		
Theta	-81.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 414.913$ (brightness)

$B = 121.256$ (background)

$a = 0.750$ px

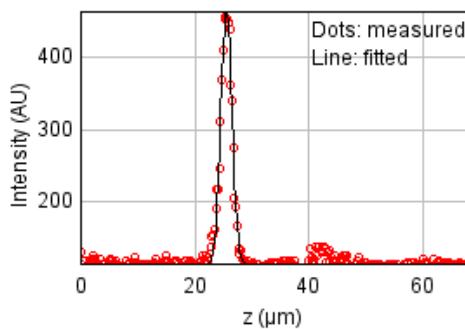
$b = -0.027$ px

$c = 0.582$ px

$x_c = 6.428$ px

$y_c = 6.711$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23412.3857

Standard deviation: 8.73280

$R^2: 0.97524$

Parameters:

$a = 113.14058$

$b = 465.00350$

$c = 25.63454$

$d = 0.97397$

Bead 1327

Date : Mon Oct 17 13:52:01 PDT 2022

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

Frame size : 12 pixels

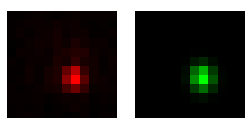
Coordinates : -87.2 μm (x), 31.0 μm (y), 25.9 μm (z)

Corresponding bead : Not found

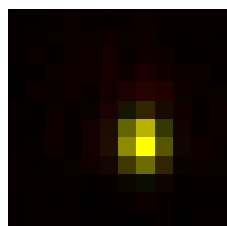
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	467 nm	487 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.841		
Theta	-85.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 548.191 (brightness)

B = 122.092 (background)

a = 0.867 px

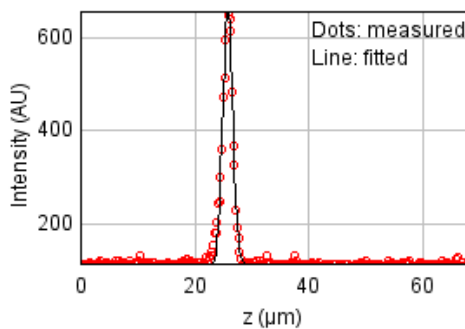
b = -0.020 px

c = 0.616 px

xc = 6.850 px

yc = 6.785 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30194.6296

Standard deviation: 9.91735

R^2 : 0.98494

Parameters:

a = 113.82380

b = 658.47845

c = 25.87229

d = 0.86522

Bead 1328

Date : Mon Oct 17 13:52:01 PDT 2022

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

Frame size : 12 pixels

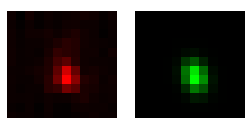
Coordinates : 14.3 μm (x), -59.0 μm (y), 25.7 μm (z)

Corresponding bead : Not found

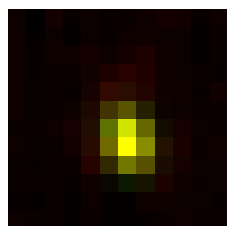
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	571 nm	595 nm	270 nm
z	2.15 μm	2.16 μm	1.3 μm
Asymmetry	0.73		
Theta	-73.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 457.777$ (brightness)

$B = 123.330$ (background)

$a = 0.741$ px

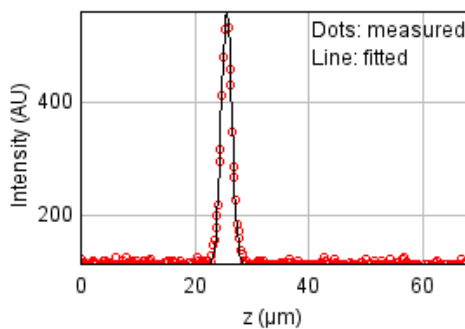
$b = -0.100$ px

$c = 0.442$ px

$x_c = 6.053$ 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: 18194.5548

Standard deviation: 7.69842

$R^2: 0.98718$

Parameters:

$a = 113.35720$

$b = 560.22484$

$c = 25.65830$

$d = 0.91466$

Bead 1329

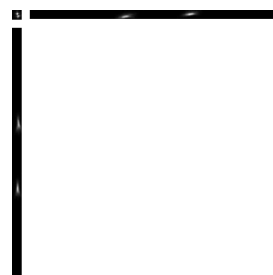
Date : Mon Oct 17 13:52:01 PDT 2022

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

Frame size : 12 pixels

Coordinates : 34.1 μm (x), -59.5 μm (y), 25.9 μm (z)

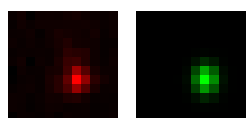
Corresponding bead : Not found



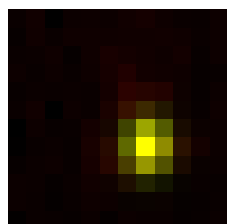
FWHM	Non corrected	Corrected	Theoretical
min	423 nm	440 nm	270 nm
max	527 nm	549 nm	270 nm
z	1.93 μm	1.94 μm	1.3 μm
Asymmetry	0.802		
Theta	89.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 515.333$ (brightness)

$B = 122.189$ (background)

$a = 0.751$ px

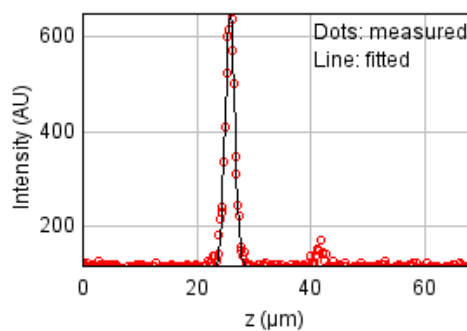
$b = 0.002$ px

$c = 0.483$ px

$x_c = 7.095$ px

$y_c = 6.949$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 34576.7781

Standard deviation: 10.61263

$R^2: 0.98122$

Parameters:

$a = 114.85975$

$b = 649.56172$

$c = 25.91804$

$d = 0.81943$

Bead 1330

Date : Mon Oct 17 13:52:02 PDT 2022

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

Frame size : 12 pixels

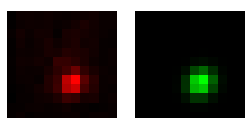
Coordinates : 134 μm (x), -77.2 μm (y), 26.1 μm (z)

Corresponding bead : Not found

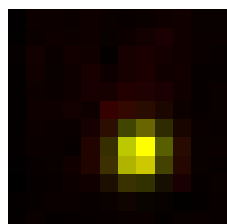
FWHM	Non corrected	Corrected	Theoretical
min	449 nm	468 nm	270 nm
max	503 nm	524 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.893		
Theta	51.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 484.643 (brightness)

B = 120.813 (background)

a = 0.613 px

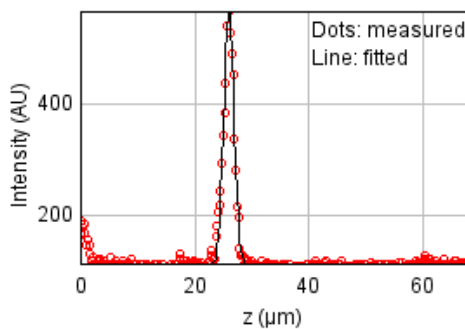
b = 0.065 px

c = 0.582 px

xc = 6.664 px

yc = 7.330 px

Z profile & fitting parameters:



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

Sum of residuals squared: 55301.0670

Standard deviation: 13.42139

R^2 : 0.96165

Parameters:

a = 114.40793

b = 565.50888

c = 26.07277

d = 0.88688

Bead 1331 (Rejected)

Date : Mon Oct 17 13:52:02 PDT 2022

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

Frame size : 12 pixels

Coordinates : -164 μm (x), 91.0 μm (y), 10.1 μm (z)

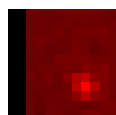
Corresponding bead : Not found

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	2.56 μm	2.57 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

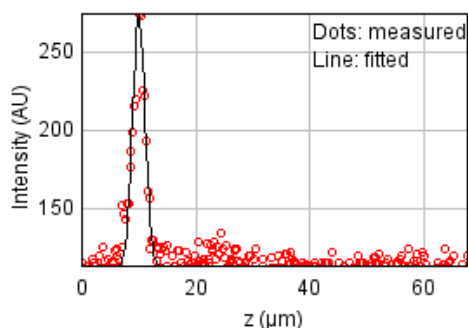
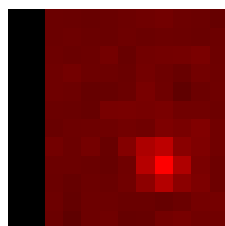
XY profile & fitting parameters :

(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: 19643.8811

Standard deviation: 7.99916

R²: 0.91620

Parameters:

a = 112.77101

b = 273.99251

c = 10.10472

d = 1.08743

Bead 1332

Date : Mon Oct 17 13:52:02 PDT 2022

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

Frame size : 12 pixels

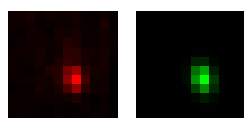
Coordinates : -89.6 μm (x), 88.8 μm (y), 26.1 μm (z)

Corresponding bead : Not found

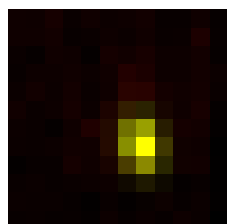
FWHM	Non corrected	Corrected	Theoretical
min	354 nm	369 nm	270 nm
max	509 nm	530 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.697		
Theta	-77.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 410.619 (brightness)

B = 121.501 (background)

a = 1.042 px

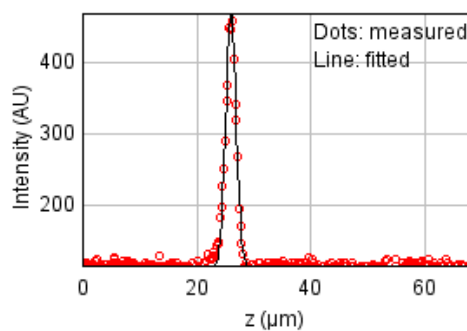
b = -0.116 px

c = 0.544 px

xc = 6.765 px

yc = 6.879 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20219.4117

Standard deviation: 8.11550

R^2 : 0.97723

Parameters:

a = 114.06467

b = 469.17336

c = 26.08099

d = 0.89596

Bead 1333

Date : Mon Oct 17 13:52:02 PDT 2022

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

Frame size : 12 pixels

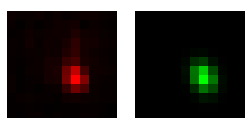
Coordinates : -62.0 μm (x), 87.7 μm (y), 26.5 μm (z)

Corresponding bead : Not found

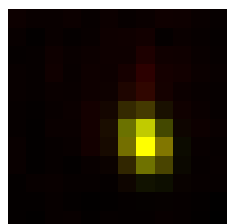
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	534 nm	556 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.743		
Theta	-69.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 665.292 (brightness)

B = 126.821 (background)

a = 0.803 px

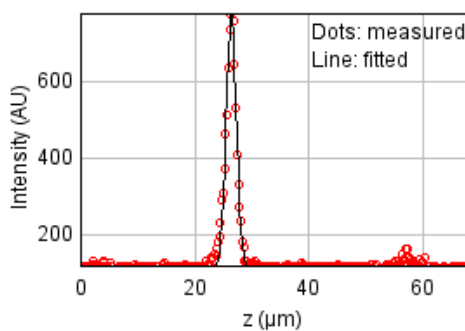
b = -0.128 px

c = 0.520 px

xc = 6.973 px

yc = 6.716 px

Z profile & fitting parameters:



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

Sum of residuals squared: 51217.7734

Standard deviation: 12.91639

R^2 : 0.98313

Parameters:

a = 115.92750

b = 782.57134

c = 26.47898

d = 0.87358

Bead 1334 (Rejected)

Date : Mon Oct 17 13:52:02 PDT 2022

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

Frame size : 12 pixels

Coordinates : 35.2 μm (x), 74.8 μm (y), 24.6 μm (z)

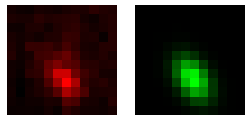
Corresponding bead : Not found

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

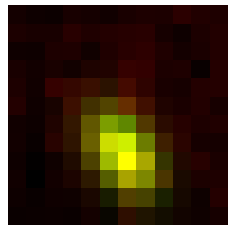
FWHM	Non corrected	Corrected	Theoretical
min	549 nm	572 nm	270 nm
max	857 nm	893 nm	270 nm
z	1.89 μm	1.9 μm	1.3 μm
Asymmetry	0.641		
Theta	-58.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.905$



Parameters:

A = 190.759 (brightness)

B = 123.267 (background)

a = 0.372 px

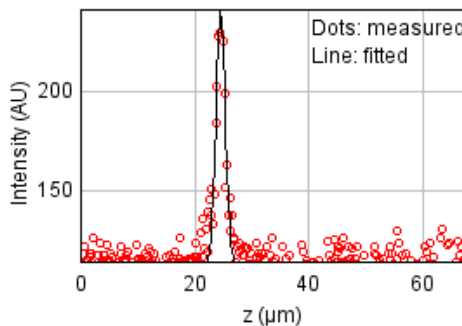
b = -0.117 px

c = 0.255 px

xc = 5.778 px

yc = 7.520 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17594.7573

Standard deviation: 7.57046

R^2 : 0.85161

Parameters:

a = 113.90954

b = 241.44477

c = 24.61330

d = 0.80439

Bead 1335

Date : Mon Oct 17 13:52:02 PDT 2022

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

Frame size : 12 pixels

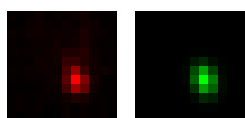
Coordinates : -11.0 μm (x), 65.9 μm (y), 26.5 μm (z)

Corresponding bead : Not found

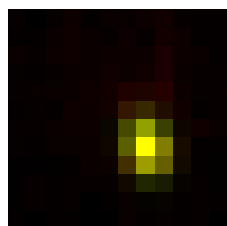
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	549 nm	572 nm	270 nm
z	1.94 μm	1.94 μm	1.3 μm
Asymmetry	0.712		
Theta	-75.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 668.071 (brightness)

B = 126.641 (background)

a = 0.852 px

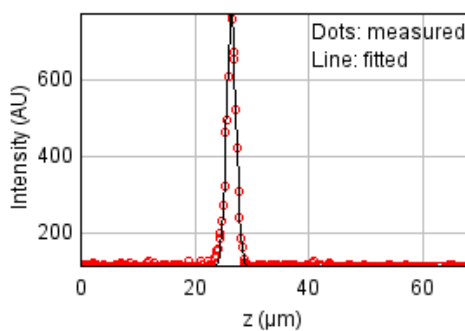
b = -0.103 px

c = 0.472 px

xc = 7.084 px

yc = 7.006 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30713.9569

Standard deviation: 10.00227

R^2 : 0.98901

Parameters:

a = 113.37166

b = 773.53451

c = 26.48282

d = 0.82249

Bead 1336

Date : Mon Oct 17 13:52:03 PDT 2022

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

Frame size : 12 pixels

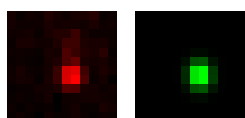
Coordinates : -120 μm (x), 51.5 μm (y), 25.8 μm (z)

Corresponding bead : Not found

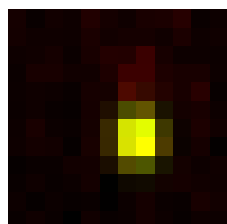
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	494 nm	515 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.829		
Theta	-87.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 311.249$ (brightness)

$B = 118.768$ (background)

$a = 0.798$ px

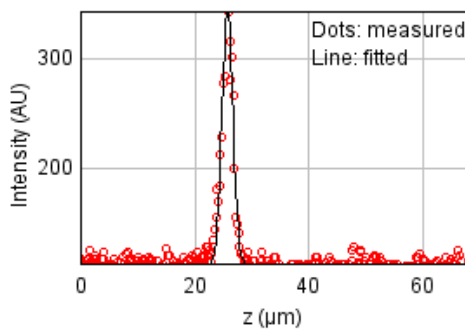
$b = -0.009$ px

$c = 0.549$ px

$x_c = 6.571$ px

$y_c = 6.502$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18375.0088

Standard deviation: 7.73650

$R^2: 0.95479$

Parameters:

$a = 112.59102$

$b = 343.77826$

$c = 25.81907$

$d = 0.94832$

Bead 1337

Date : Mon Oct 17 13:52:03 PDT 2022

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

Frame size : 12 pixels

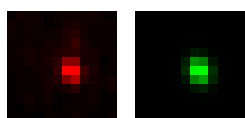
Coordinates : -41.9 μm (x), 35.5 μm (y), 26.5 μm (z)

Corresponding bead : Not found

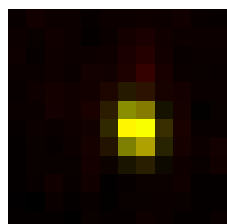
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	486 nm	506 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.791		
Theta	-73.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 586.624 (brightness)

B = 123.784 (background)

a = 0.880 px

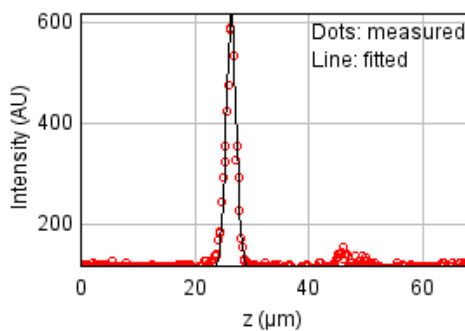
b = -0.095 px

c = 0.598 px

xc = 6.527 px

yc = 6.040 px

Z profile & fitting parameters:



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

Sum of residuals squared: 59517.5236

Standard deviation: 13.92365

R^2 : 0.96565

Parameters:

a = 115.10373

b = 619.99904

c = 26.47519

d = 0.85266

Bead 1338 (Rejected)

Date : Mon Oct 17 13:52:03 PDT 2022

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

Frame size : 12 pixels

Coordinates : -147 μm (x), 2.49 μm (y), 26.3 μm (z)

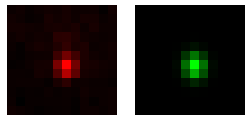
Corresponding bead : Not found

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

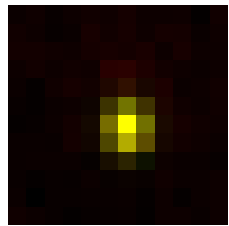
FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	477 nm	497 nm	270 nm
z	3.46 μm	3.48 μm	1.3 μm
Asymmetry	0.839		
Theta	-86.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 408.810 (brightness)

B = 117.518 (background)

a = 0.837 px

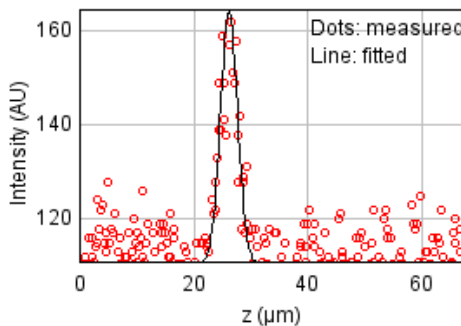
b = -0.015 px

c = 0.590 px

xc = 6.010 px

yc = 6.165 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13611.6740

Standard deviation: 6.65866

R^2 : 0.69887

Parameters:

a = 110.63202

b = 164.38692

c = 26.26019

d = 1.47001

Bead 1339

Date : Mon Oct 17 13:52:03 PDT 2022

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

Frame size : 12 pixels

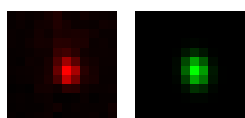
Coordinates : 77.5 μm (x), -11.6 μm (y), 26.3 μm (z)

Corresponding bead : Not found

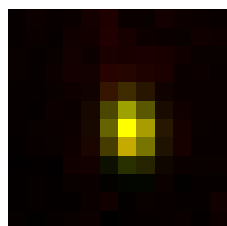
FWHM	Non corrected	Corrected	Theoretical
min	430 nm	448 nm	270 nm
max	564 nm	588 nm	270 nm
z	2.21 μm	2.22 μm	1.3 μm
Asymmetry	0.763		
Theta	-79.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 481.120 (brightness)

B = 121.755 (background)

a = 0.714 px

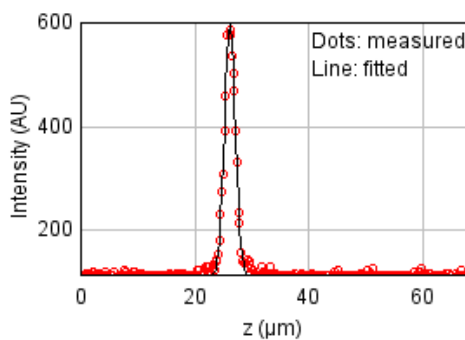
b = -0.055 px

c = 0.432 px

xc = 6.158 px

yc = 6.049 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19931.2273

Standard deviation: 8.05745

R^2 : 0.98849

Parameters:

a = 113.65631

b = 601.63049

c = 26.25159

d = 0.93849

Bead 1340

Date : Mon Oct 17 13:52:03 PDT 2022

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

Frame size : 12 pixels

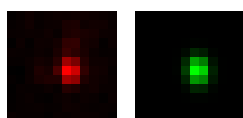
Coordinates : -49.6 μm (x), -27.8 μm (y), 26.1 μm (z)

Corresponding bead : Not found

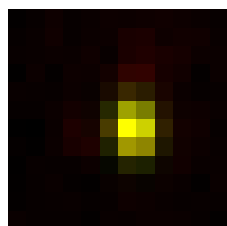
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	528 nm	549 nm	270 nm
z	2.28 μm	2.29 μm	1.3 μm
Asymmetry	0.762		
Theta	-85.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 524.856 (brightness)

B = 121.673 (background)

a = 0.827 px

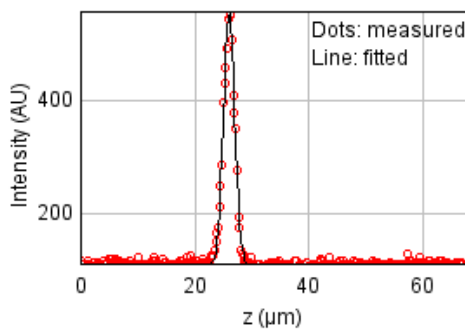
b = -0.029 px

c = 0.485 px

xc = 6.379 px

yc = 5.993 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19978.7861

Standard deviation: 8.06706

R^2 : 0.98647

Parameters:

a = 112.30070

b = 556.26191

c = 26.10198

d = 0.96639

Bead 1341

Date : Mon Oct 17 13:52:03 PDT 2022

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

Frame size : 12 pixels

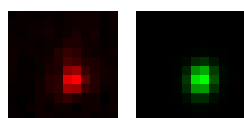
Coordinates : 87.3 μm (x), -37.7 μm (y), 26.3 μm (z)

Corresponding bead : Not found

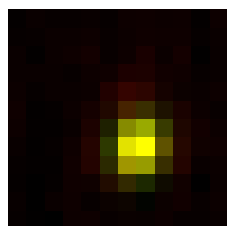
FWHM	Non corrected	Corrected	Theoretical
min	459 nm	478 nm	270 nm
max	552 nm	575 nm	270 nm
z	1.91 μm	1.92 μm	1.3 μm
Asymmetry	0.831		
Theta	78.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 464.734$ (brightness)

$B = 120.229$ (background)

$a = 0.629$ px

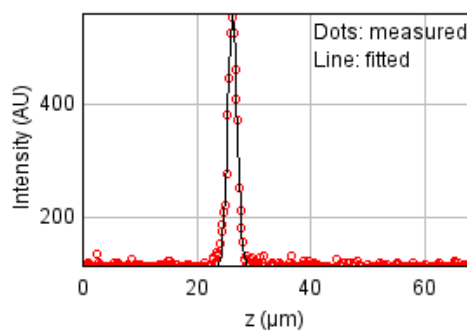
$b = 0.040$ px

$c = 0.448$ px

$x_c = 6.597$ px

$y_c = 6.989$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20829.9464

Standard deviation: 8.23711

$R^2: 0.98365$

Parameters:

$a = 113.53475$

$b = 560.75474$

$c = 26.33676$

$d = 0.81234$

Bead 1342 (Rejected)

Date : Mon Oct 17 13:52:03 PDT 2022

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

Frame size : 12 pixels

Coordinates : -18.8 μm (x), -60.1 μm (y), 22.9 μm (z)

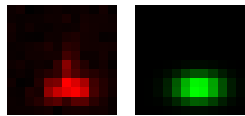
Corresponding bead : Not found

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

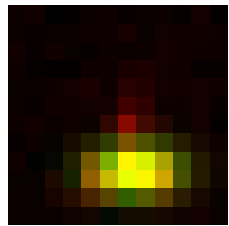
FWHM	Non corrected	Corrected	Theoretical
min	508 nm	529 nm	270 nm
max	869 nm	905 nm	270 nm
z	3.49 μm	3.5 μm	1.3 μm
Asymmetry	0.585		
Theta	0.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 300.834$ (brightness)

$B = 122.947$ (background)

$a = 0.178$ px

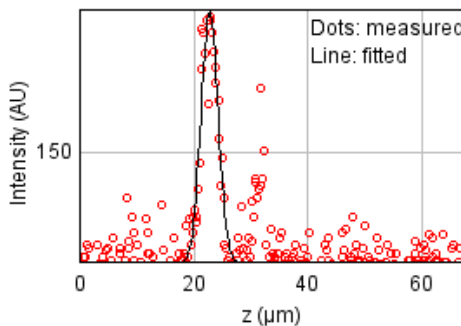
$b = 0.005$ px

$c = 0.520$ px

$x_c = 6.412$ px

$y_c = 8.535$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23605.4693

Standard deviation: 8.76874

$R^2: 0.75296$

Parameters:

$a = 115.04597$

$b = 195.91280$

$c = 22.86603$

$d = 1.48022$

Bead 1343 (Rejected)

Date : Mon Oct 17 13:52:04 PDT 2022

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

Frame size : 12 pixels

Coordinates : -75.2 μm (x), -83.3 μm (y), 23.5 μm (z)

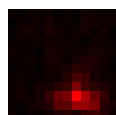
Corresponding bead : Not found

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	3.54 μm	3.56 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

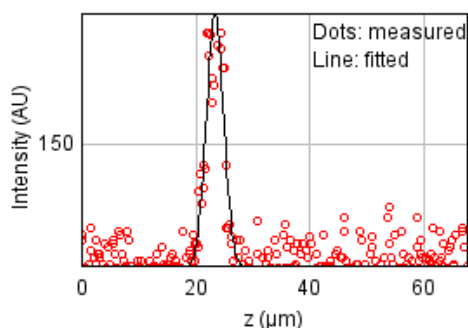
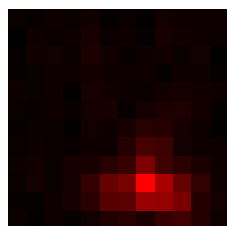
XY profile & fitting parameters :

(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: 14543.9306

Standard deviation: 6.88290

R²: 0.81733

Parameters:

a = 113.05137

b = 189.40503

c = 23.45776

d = 1.50373

Bead 1344

Date : Mon Oct 17 13:52:04 PDT 2022

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

Frame size : 12 pixels

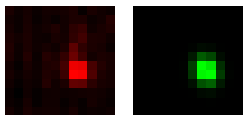
Coordinates : -162 μm (x), 83.6 μm (y), 26.2 μm (z)

Corresponding bead : Not found

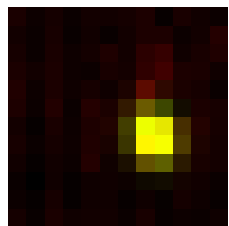
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	434 nm	270 nm
max	509 nm	531 nm	270 nm
z	2.54 μm	2.55 μm	1.3 μm
Asymmetry	0.817		
Theta	-73.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 311.221 (brightness)

B = 117.023 (background)

a = 0.754 px

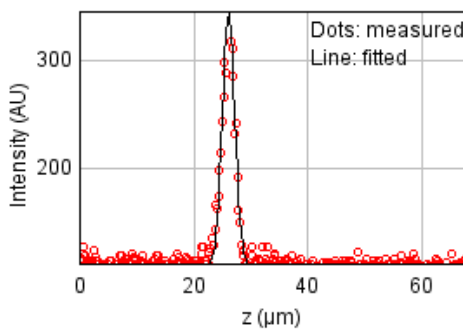
b = -0.069 px

c = 0.537 px

xc = 7.481 px

yc = 6.528 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14752.8111

Standard deviation: 6.93215

R^2 : 0.96812

Parameters:

a = 110.71463

b = 344.53875

c = 26.18733

d = 1.07798

Bead 1345

Date : Mon Oct 17 13:52:04 PDT 2022

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

Frame size : 12 pixels

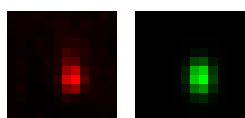
Coordinates : 76.5 μm (x), 46.6 μm (y), 26.5 μm (z)

Corresponding bead : Not found

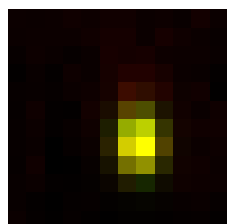
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	589 nm	614 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.701		
Theta	-87.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 501.434 (brightness)

B = 123.348 (background)

a = 0.785 px

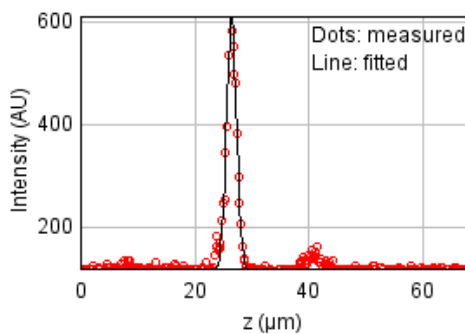
b = -0.018 px

c = 0.387 px

xc = 6.636 px

yc = 6.754 px

Z profile & fitting parameters:



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

Sum of residuals squared: 46891.7727

Standard deviation: 12.35888

R^2 : 0.97219

Parameters:

a = 116.41239

b = 614.80796

c = 26.52383

d = 0.85760

Bead 1346

Date : Mon Oct 17 13:52:04 PDT 2022

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

Frame size : 12 pixels

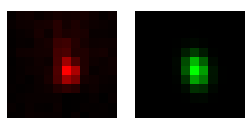
Coordinates : 75.5 μm (x), 42.8 μm (y), 26.5 μm (z)

Corresponding bead : Not found

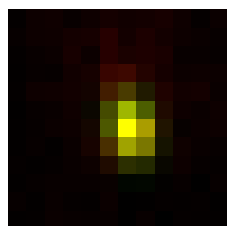
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	599 nm	623 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.686		
Theta	-77.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 437.620$ (brightness)

$B = 120.717$ (background)

$a = 0.776$ px

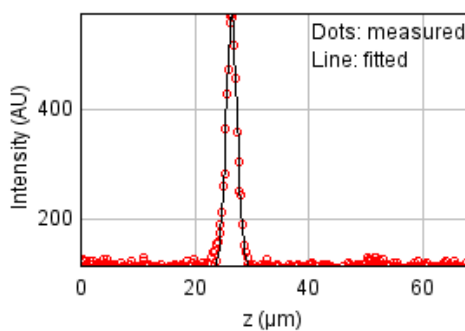
$b = -0.088$ px

$c = 0.394$ px

$x_c = 6.183$ px

$y_c = 5.967$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23815.1480

Standard deviation: 8.80760

$R^2: 0.98474$

Parameters:

$a = 114.81607$

$b = 575.10574$

$c = 26.53955$

$d = 0.94703$

Bead 1347

Date : Mon Oct 17 13:52:04 PDT 2022

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

Frame size : 12 pixels

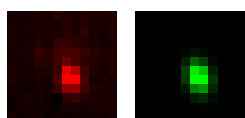
Coordinates : 51.4 μm (x), 32.5 μm (y), 26.2 μm (z)

Corresponding bead : Not found

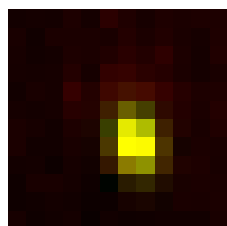
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	592 nm	617 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.694		
Theta	-75.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 390.936$ (brightness)

$B = 120.123$ (background)

$a = 0.770$ px

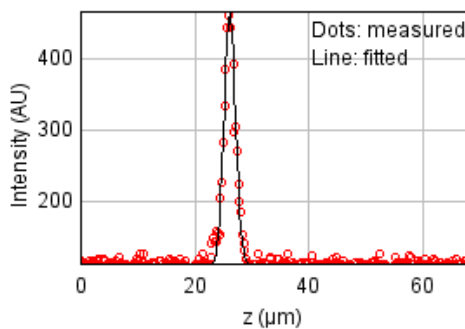
$b = -0.098$ px

$c = 0.407$ px

$x_c = 6.448$ px

$y_c = 6.713$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22312.6710

Standard deviation: 8.52524

$R^2 = 0.97681$

Parameters:

$a = 113.25349$

$b = 467.22555$

$c = 26.22448$

$d = 0.98137$

Bead 1348 (Rejected)

Date : Mon Oct 17 13:52:04 PDT 2022

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

Frame size : 12 pixels

Coordinates : -22.7 μm (x), 15.7 μm (y), 22.5 μm (z)

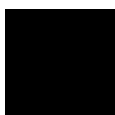
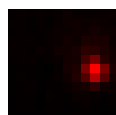
Corresponding bead : Not found

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	4.48 μm	4.5 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

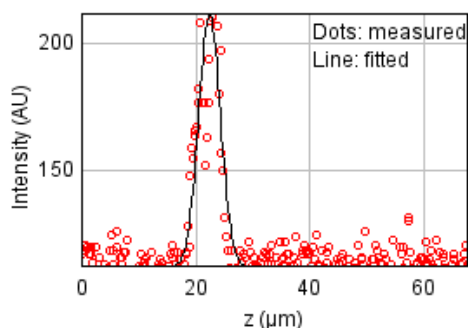
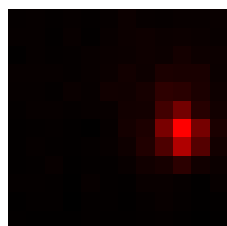
XY profile & fitting parameters :

(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: 29789.5768

Standard deviation: 9.85061

R²: 0.82012

Parameters:

a = 112.17852

b = 211.34805

c = 22.50220

d = 1.90370

Bead 1349

Date : Mon Oct 17 13:52:05 PDT 2022

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

Frame size : 12 pixels

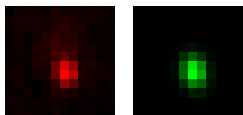
Coordinates : 159 μm (x), 12.7 μm (y), 26.0 μm (z)

Corresponding bead : Not found

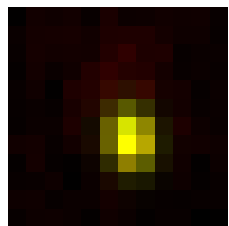
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	582 nm	606 nm	270 nm
z	2.26 μm	2.27 μm	1.3 μm
Asymmetry	0.751		
Theta	-79.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 338.277$ (brightness)

$B = 121.524$ (background)

$a = 0.693$ px

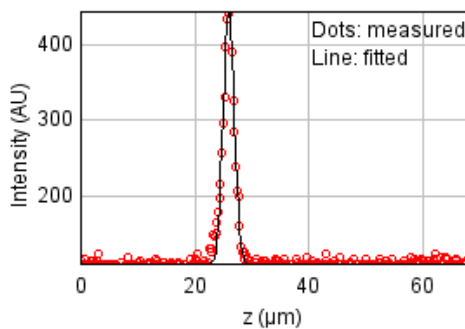
$b = -0.053$ px

$c = 0.406$ px

$x_c = 6.169$ px

$y_c = 6.665$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17180.7038

Standard deviation: 7.48086

$R^2: 0.97937$

Parameters:

$a = 111.01147$

$b = 443.91837$

$c = 26.04284$

$d = 0.96162$

Bead 1350

Date : Mon Oct 17 13:52:05 PDT 2022

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

Frame size : 12 pixels

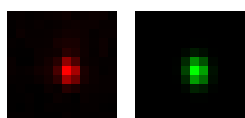
Coordinates : -88.4 μm (x), -7.39 μm (y), 26.8 μm (z)

Corresponding bead : Not found

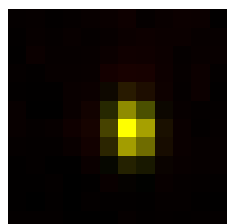
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	499 nm	520 nm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.769		
Theta	-82.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 809.576$ (brightness)

$B = 124.651$ (background)

$a = 0.906$ px

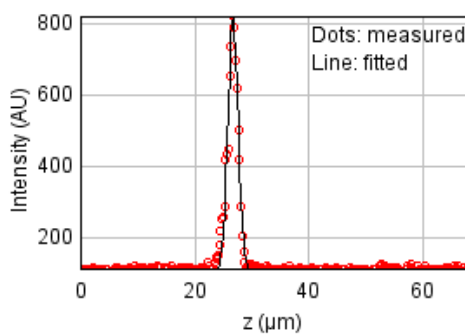
$b = -0.046$ px

$c = 0.544$ px

$x_c = 6.245$ px

$y_c = 6.076$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 60462.0962

Standard deviation: 14.03371

$R^2: 0.98219$

Parameters:

$a = 113.93181$

$b = 819.48542$

$c = 26.77824$

$d = 0.87126$

Bead 1351

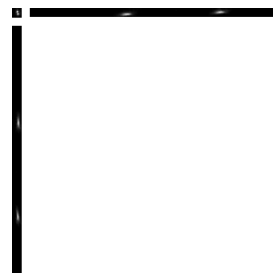
Date : Mon Oct 17 13:52:05 PDT 2022

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

Frame size : 12 pixels

Coordinates : -95.1 μm (x), -14.4 μm (y), 26.1 μm (z)

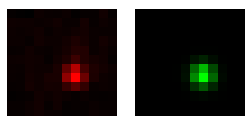
Corresponding bead : Not found



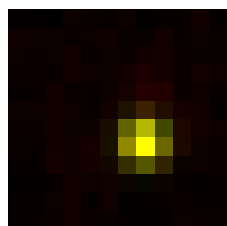
FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	436 nm	455 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.952		
Theta	-82.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 439.843$ (brightness)

$B = 121.220$ (background)

$a = 0.776$ px

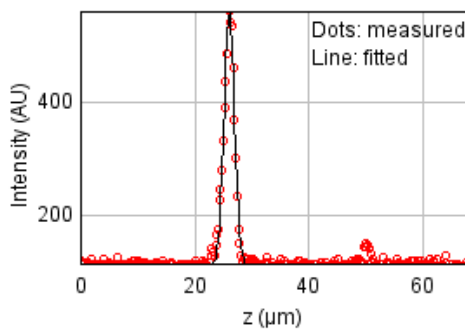
$b = -0.010$ px

$c = 0.706$ px

$x_c = 6.904$ px

$y_c = 6.729$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28162.6652

Standard deviation: 9.57784

$R^2: 0.97997$

Parameters:

$a = 114.50102$

$b = 561.49456$

$c = 26.13398$

$d = 0.89804$

Bead 1352

Date : Mon Oct 17 13:52:05 PDT 2022

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

Frame size : 12 pixels

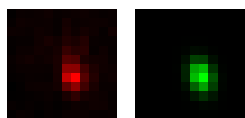
Coordinates : 76.9 μm (x), -21.6 μm (y), 26.5 μm (z)

Corresponding bead : Not found

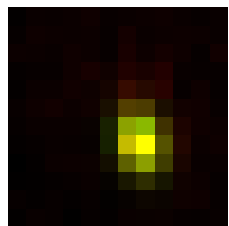
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	440 nm	270 nm
max	598 nm	623 nm	270 nm
z	1.94 μm	1.94 μm	1.3 μm
Asymmetry	0.707		
Theta	-75.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 462.971 (brightness)

B = 122.258 (background)

a = 0.729 px

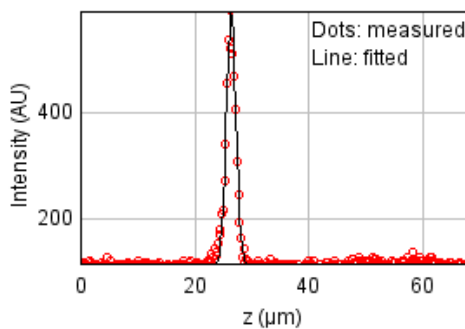
b = -0.091 px

c = 0.399 px

xc = 6.696 px

yc = 6.837 px

Z profile & fitting parameters:



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

Sum of residuals squared: 39497.3570

Standard deviation: 11.34266

R^2 : 0.97308

Parameters:

a = 114.41228

b = 588.93477

c = 26.46002

d = 0.82252

Bead 1353 (Rejected)

Date : Mon Oct 17 13:52:05 PDT 2022

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

Frame size : 12 pixels

Coordinates : 348 nm (x), -68.6 μm (y), 23.1 μm (z)

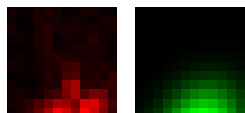
Corresponding bead : Not found

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

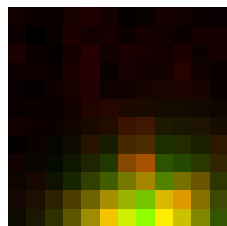
FWHM	Non corrected	Corrected	Theoretical
min	1.34 μm	1.4 μm	270 nm
max	1.71 μm	1.78 μm	270 nm
z	4.45 μm	4.47 μm	1.3 μm
Asymmetry	0.787		
Theta	60.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 268.246 (brightness)

B = 116.594 (background)

a = 0.068 px

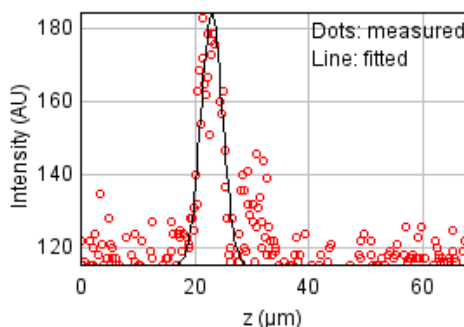
b = 0.012 px

c = 0.053 px

xc = 6.580 px

yc = 13.117 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21665.2140

Standard deviation: 8.40064

R^2 : 0.75307

Parameters:

a = 115.00349

b = 184.37476

c = 23.06813

d = 1.89135

Bead 1354 (Rejected)

Date : Mon Oct 17 13:52:05 PDT 2022

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

Frame size : 12 pixels

Coordinates : -149 μm (x), -88.7 μm (y), 23.1 μm (z)

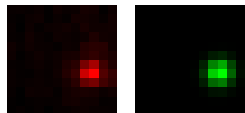
Corresponding bead : Not found

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

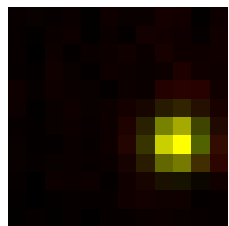
FWHM	Non corrected	Corrected	Theoretical
min	473 nm	493 nm	270 nm
max	492 nm	512 nm	270 nm
z	3.67 μm	3.69 μm	1.3 μm
Asymmetry	0.963		
Theta	46.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 372.973 (brightness)

B = 118.713 (background)

a = 0.578 px

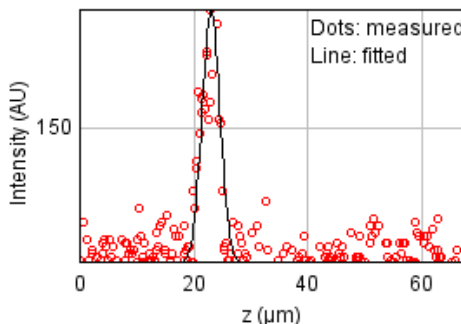
b = 0.022 px

c = 0.575 px

xc = 8.688 px

yc = 6.872 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16502.0070

Standard deviation: 7.33161

R^2 : 0.79144

Parameters:

a = 111.10078

b = 184.76864

c = 23.12154

d = 1.55948

Bead 1355

Date : Mon Oct 17 13:52:06 PDT 2022

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

Frame size : 12 pixels

Coordinates : 122 μm (x), 73.3 μm (y), 26.5 μm (z)

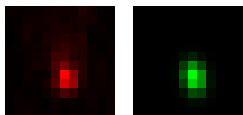
Corresponding bead : Not found



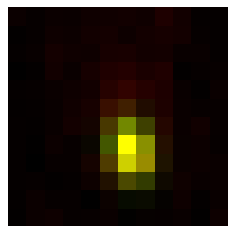
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	579 nm	603 nm	270 nm
z	1.91 μm	1.92 μm	1.3 μm
Asymmetry	0.69		
Theta	-78.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 434.728$ (brightness)

$B = 123.112$ (background)

$a = 0.823$ px

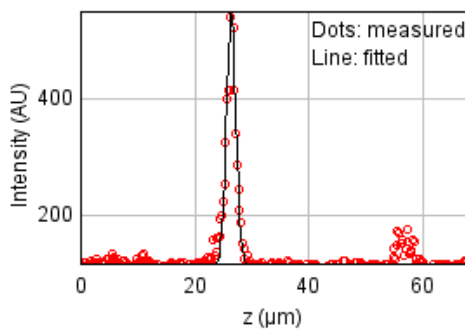
$b = -0.090$ px

$c = 0.419$ px

$x_c = 6.184$ px

$y_c = 7.292$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 64142.7173

Standard deviation: 14.45455

$R^2: 0.94800$

Parameters:

$a = 116.75848$

$b = 549.33029$

$c = 26.46138$

$d = 0.81004$

Bead 1356

Date : Mon Oct 17 13:52:06 PDT 2022

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

Frame size : 12 pixels

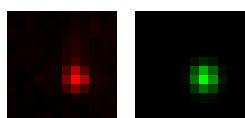
Coordinates : -122 μm (x), 62.6 μm (y), 26.5 μm (z)

Corresponding bead : Not found

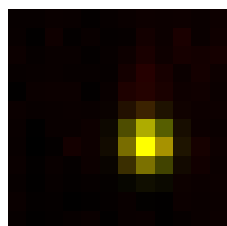
FWHM	Non corrected	Corrected	Theoretical
min	435 nm	453 nm	270 nm
max	471 nm	491 nm	270 nm
z	2.26 μm	2.27 μm	1.3 μm
Asymmetry	0.922		
Theta	-76.6°		

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 = 416.918 (brightness)

B = 121.706 (background)

a = 0.704 px

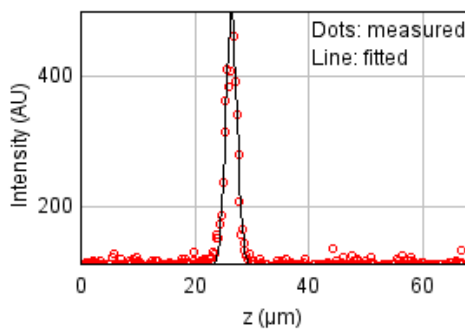
b = -0.024 px

c = 0.609 px

xc = 7.098 px

yc = 6.831 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30529.6732

Standard deviation: 9.97222

R^2 : 0.97308

Parameters:

a = 112.48654

b = 500.20182

c = 26.50275

d = 0.95916

Bead 1357

Date : Mon Oct 17 13:52:06 PDT 2022

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

Frame size : 12 pixels

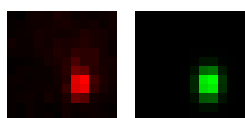
Coordinates : 99.1 μm (x), 33.9 μm (y), 26.8 μm (z)

Corresponding bead : Not found

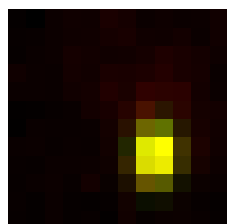
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	550 nm	573 nm	270 nm
z	2.26 μm	2.27 μm	1.3 μm
Asymmetry	0.717		
Theta	88.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 534.058$ (brightness)

$B = 123.281$ (background)

$a = 0.862$ px

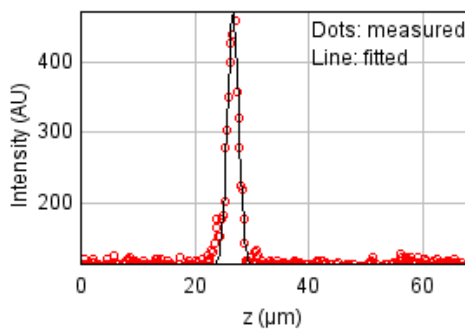
$b = 0.011$ px

$c = 0.444$ px

$x_c = 7.548$ px

$y_c = 7.419$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27813.5063

Standard deviation: 9.51828

$R^2: 0.97124$

Parameters:

$a = 113.19326$

$b = 470.74738$

$c = 26.78510$

$d = 0.96013$

Bead 1358

Date : Mon Oct 17 13:52:06 PDT 2022

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

Frame size : 12 pixels

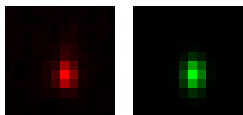
Coordinates : -629 nm (x), -32.9 um (y), 26.5 um (z)

Corresponding bead : Not found

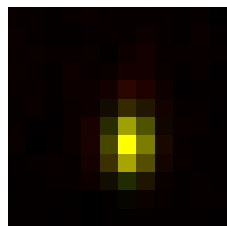
FWHM	Non corrected	Corrected	Theoretical
min	367 nm	382 nm	270 nm
max	547 nm	569 nm	270 nm
z	2.01 um	2.02 um	1.3 um
Asymmetry	0.672		
Theta	88.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 630.262 (brightness)

B = 124.998 (background)

a = 0.995 px

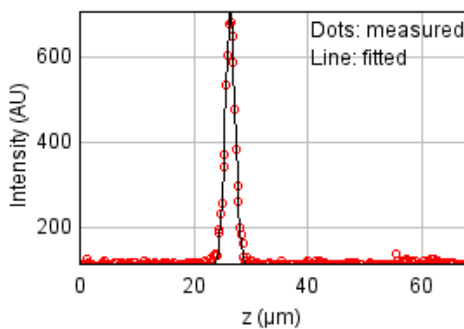
b = 0.018 px

c = 0.450 px

xc = 6.143 px

yc = 7.004 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25129.5068

Standard deviation: 9.04738

R^2 : 0.98927

Parameters:

a = 114.87325

b = 709.11750

c = 26.47013

d = 0.85236

Bead 1359

Date : Mon Oct 17 13:52:06 PDT 2022

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

Frame size : 12 pixels

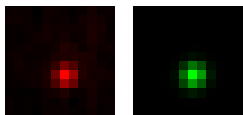
Coordinates : -157 μm (x), -73.8 μm (y), 26.6 μm (z)

Corresponding bead : Not found

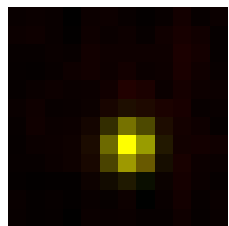
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	456 nm	270 nm
max	455 nm	474 nm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.961		
Theta	62.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 516.531 (brightness)

B = 120.152 (background)

a = 0.689 px

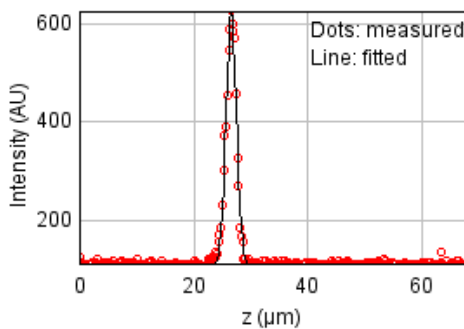
b = 0.022 px

c = 0.659 px

xc = 6.136 px

yc = 7.108 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24671.8973

Standard deviation: 8.96462

R^2 : 0.98660

Parameters:

a = 110.38794

b = 625.20251

c = 26.64578

d = 0.89223

Bead 1360

Date : Mon Oct 17 13:52:06 PDT 2022

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

Frame size : 12 pixels

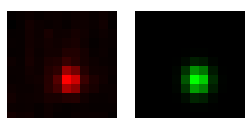
Coordinates : 45.6 μm (x), -83.7 μm (y), 26.8 μm (z)

Corresponding bead : Not found

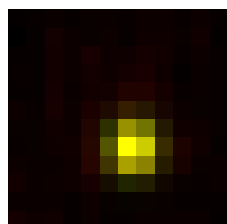
FWHM	Non corrected	Corrected	Theoretical
min	449 nm	468 nm	270 nm
max	511 nm	533 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.878		
Theta	-87.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 597.778$ (brightness)

$B = 126.377$ (background)

$a = 0.665$ px

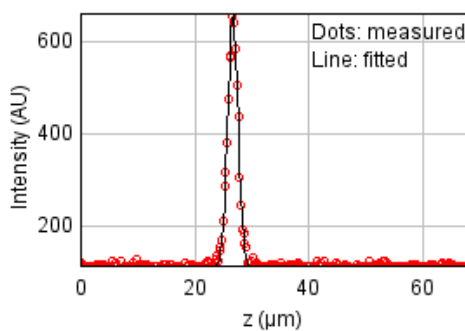
$b = -0.006$ px

$c = 0.513$ px

$x_c = 6.333$ px

$y_c = 7.048$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19560.8481

Standard deviation: 7.98224

$R^2: 0.99068$

Parameters:

$a = 113.17309$

$b = 664.71638$

$c = 26.75941$

$d = 0.88949$

Bead 1361

Date : Mon Oct 17 13:52:07 PDT 2022

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

Frame size : 12 pixels

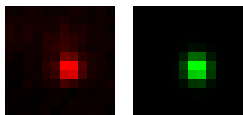
Coordinates : 120 μm (x), -83.8 μm (y), 26.5 μm (z)

Corresponding bead : Not found

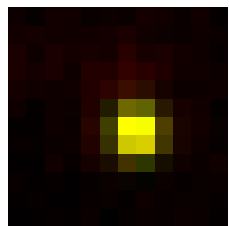
FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	485 nm	505 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.907		
Theta	-81.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 489.077$ (brightness)

$B = 124.672$ (background)

$a = 0.690$ px

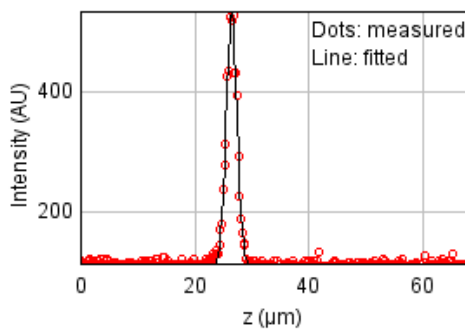
$b = -0.018$ px

$c = 0.572$ px

$x_c = 6.505$ px

$y_c = 6.305$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18768.4314

Standard deviation: 7.81888

$R^2: 0.98537$

Parameters:

$a = 112.71733$

$b = 536.12863$

$c = 26.54025$

$d = 0.91933$

Bead 1362

Date : Mon Oct 17 13:52:07 PDT 2022

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

Frame size : 12 pixels

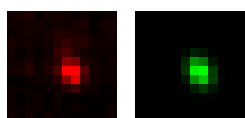
Coordinates : -138 μm (x), 66.1 μm (y), 26.6 μm (z)

Corresponding bead : Not found

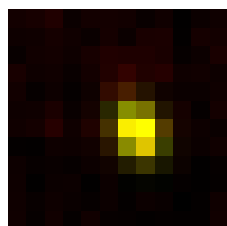
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	420 nm	270 nm
max	539 nm	561 nm	270 nm
z	2.48 μm	2.49 μm	1.3 μm
Asymmetry	0.749		
Theta	-64.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 295.244 (brightness)

B = 117.162 (background)

a = 0.756 px

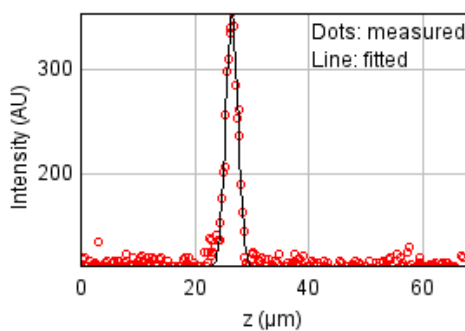
b = -0.142 px

c = 0.531 px

xc = 6.573 px

yc = 6.141 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18976.0898

Standard deviation: 7.86202

R^2 : 0.96132

Parameters:

a = 111.50502

b = 353.86004

c = 26.58109

d = 1.05473

Bead 1363

Date : Mon Oct 17 13:52:07 PDT 2022

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

Frame size : 12 pixels

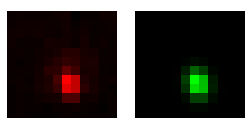
Coordinates : -60.4 μm (x), 45.8 μm (y), 27.0 μm (z)

Corresponding bead : Not found

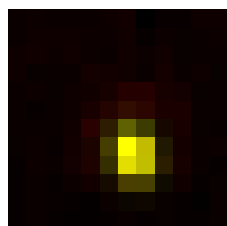
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	407 nm	270 nm
max	500 nm	521 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.781		
Theta	-76.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 632.541$ (brightness)

$B = 125.988$ (background)

$a = 0.861$ px

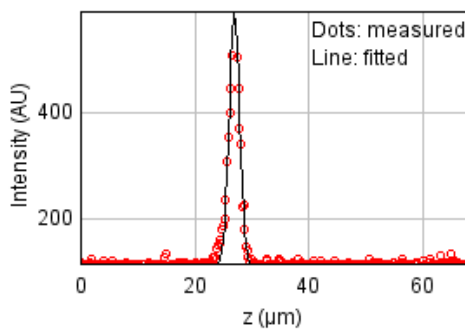
$b = -0.079$ px

$c = 0.556$ px

$x_c = 6.357$ px

$y_c = 7.424$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 29218.1884

Standard deviation: 9.75568

$R^2: 0.98187$

Parameters:

$a = 113.65585$

$b = 591.90024$

$c = 27.01062$

$d = 0.90108$

Bead 1364

Date : Mon Oct 17 13:52:07 PDT 2022

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

Frame size : 12 pixels

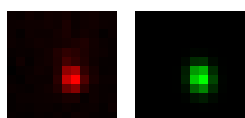
Coordinates : 12.0 μm (x), 42.4 μm (y), 27.3 μm (z)

Corresponding bead : Not found

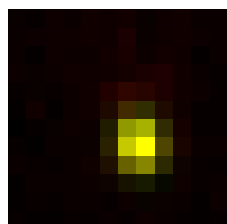
FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	519 nm	540 nm	270 nm
z	2.2 μm	2.21 μm	1.3 μm
Asymmetry	0.797		
Theta	-80.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 629.596$ (brightness)

$B = 128.482$ (background)

$a = 0.778$ px

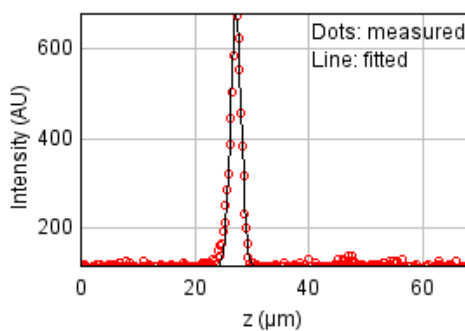
$b = -0.046$ px

$c = 0.506$ px

$x_c = 6.644$ px

$y_c = 6.831$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 32893.2262

Standard deviation: 10.35104

$R^2: 0.98564$

Parameters:

$a = 115.27412$

$b = 677.06580$

$c = 27.27017$

$d = 0.93355$

Bead 1365

Date : Mon Oct 17 13:52:07 PDT 2022

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

Frame size : 12 pixels

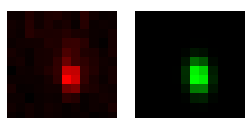
Coordinates : 125 μm (x), 33.4 μm (y), 26.2 μm (z)

Corresponding bead : Not found

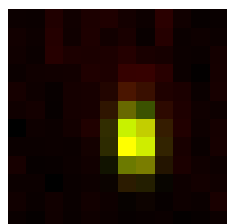
FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	590 nm	614 nm	270 nm
z	2.37 μm	2.38 μm	1.3 μm
Asymmetry	0.645		
Theta	-85.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 283.476 (brightness)

B = 120.748 (background)

a = 0.923 px

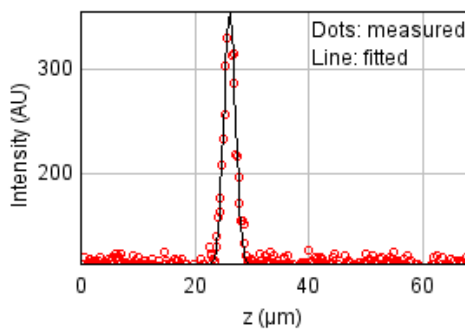
b = -0.046 px

c = 0.390 px

xc = 6.442 px

yc = 6.615 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14062.3409

Standard deviation: 6.76799

R^2 : 0.97029

Parameters:

a = 111.61202

b = 356.00236

c = 26.20946

d = 1.00753

Bead 1366

Date : Mon Oct 17 13:52:08 PDT 2022

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

Frame size : 12 pixels

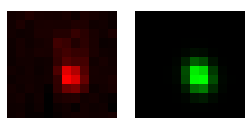
Coordinates : 158 μm (x), 25.3 μm (y), 26.4 μm (z)

Corresponding bead : Not found

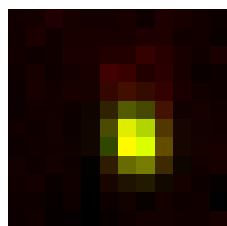
FWHM	Non corrected	Corrected	Theoretical
min	458 nm	477 nm	270 nm
max	557 nm	580 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.822		
Theta	-72.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 267.691 (brightness)

B = 116.391 (background)

a = 0.620 px

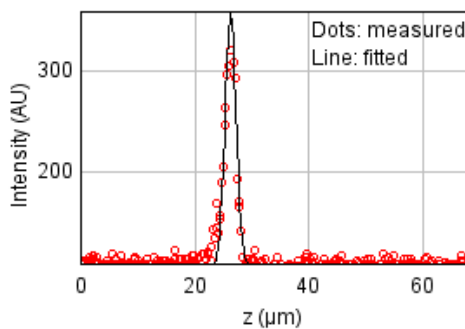
b = -0.061 px

c = 0.452 px

$x_c = 6.478$ px

$y_c = 6.627$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24918.9563

Standard deviation: 9.00940

R^2 : 0.94742

Parameters:

a = 109.51345

b = 358.84952

c = 26.36806

d = 0.94297

Bead 1367 (Rejected)

Date : Mon Oct 17 13:52:08 PDT 2022

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

Frame size : 12 pixels

Coordinates : 3.61 μm (x), 277 nm (y), 23.5 μm (z)

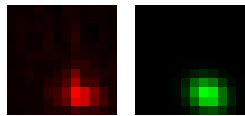
Corresponding bead : Not found

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

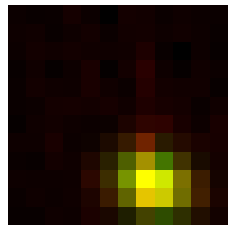
FWHM	Non corrected	Corrected	Theoretical
min	551 nm	573 nm	270 nm
max	679 nm	708 nm	270 nm
z	3.46 μm	3.47 μm	1.3 μm
Asymmetry	0.81		
Theta	-26.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.919$



Parameters:

A = 285.222 (brightness)

B = 120.542 (background)

a = 0.320 px

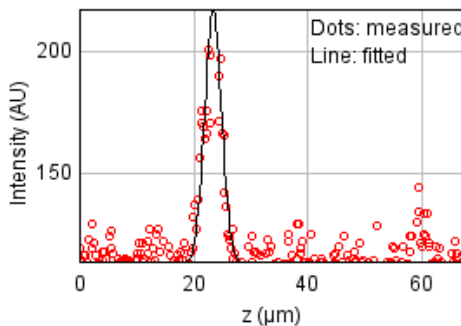
b = -0.060 px

c = 0.413 px

xc = 7.399 px

yc = 9.241 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20043.1340

Standard deviation: 8.08004

R^2 : 0.85188

Parameters:

a = 114.09998

b = 216.86685

c = 23.47824

d = 1.46742

Bead 1368 (Rejected)

Date : Mon Oct 17 13:52:08 PDT 2022

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

Frame size : 12 pixels

Coordinates : 130 μm (x), -11.3 μm (y), 14.1 μm (z)

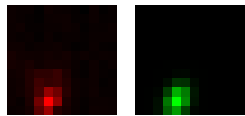
Corresponding bead : Not found

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

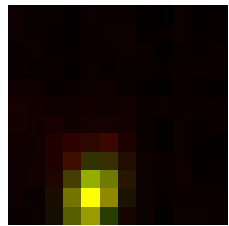
FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	595 nm	619 nm	270 nm
z	3.12 μm	3.14 μm	1.3 μm
Asymmetry	0.701		
Theta	66.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 430.558 (brightness)

B = 120.435 (background)

a = 0.710 px

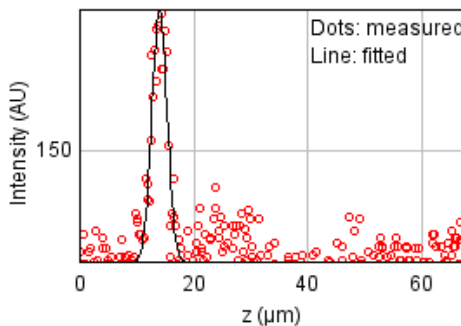
b = 0.144 px

c = 0.442 px

xc = 4.071 px

yc = 9.911 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18415.8487

Standard deviation: 7.74509

R^2 : 0.79930

Parameters:

a = 112.17513

b = 198.04160

c = 14.07768

d = 1.32680

Bead 1369

Date : Mon Oct 17 13:52:08 PDT 2022

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

Frame size : 12 pixels

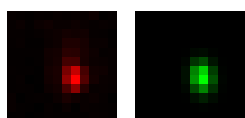
Coordinates : 26.6 μm (x), -25.3 μm (y), 26.9 μm (z)

Corresponding bead : Not found

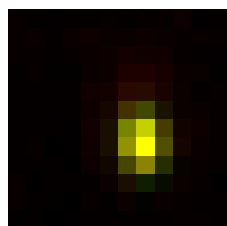
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	411 nm	270 nm
max	560 nm	583 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.704		
Theta	-84.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 644.445 (brightness)

B = 124.925 (background)

a = 0.858 px

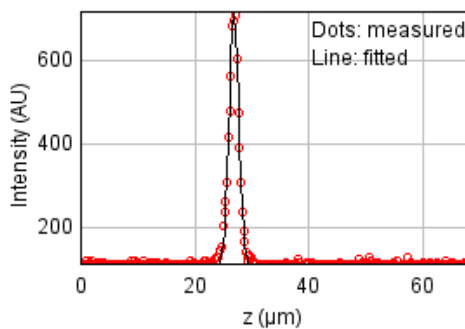
b = -0.043 px

c = 0.432 px

xc = 6.808 px

yc = 6.716 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22865.0879

Standard deviation: 8.63013

R^2 : 0.99046

Parameters:

a = 113.24671

b = 721.77078

c = 26.93964

d = 0.83235

Bead 1370 (Rejected)

Date : Mon Oct 17 13:52:08 PDT 2022

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

Frame size : 12 pixels

Coordinates : 119 μm (x), -30.4 μm (y), 21.2 μm (z)

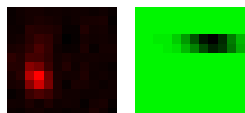
Corresponding bead : Not found

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

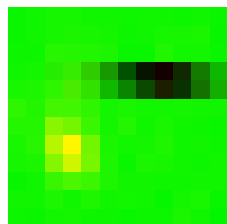
FWHM	Non corrected	Corrected	Theoretical
min	160 nm	167 nm	270 nm
max	1.0 μm	1.04 μm	270 nm
z	2.34 μm	2.35 μm	1.3 μm
Asymmetry	0.16		
Theta	-0.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.055$



Parameters:

A = -81.115 (brightness)

B = 129.692 (background)

a = 0.135 px

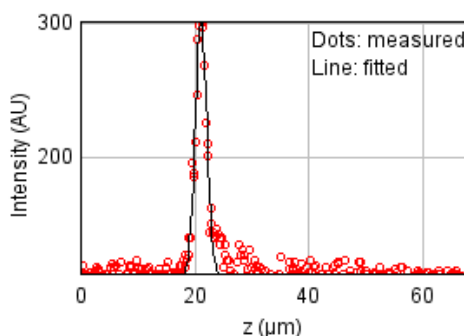
b = -0.053 px

c = 5.234 px

xc = 7.937 px

yc = 3.484 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22743.6252

Standard deviation: 8.60718

R^2 : 0.92219

Parameters:

a = 113.67428

b = 302.15346

c = 21.17777

d = 0.99340

Bead 1371

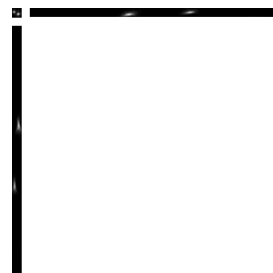
Date : Mon Oct 17 13:52:08 PDT 2022

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

Frame size : 12 pixels

Coordinates : 21.4 μm (x), -56.0 μm (y), 26.8 μm (z)

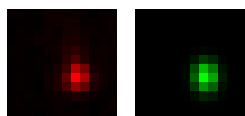
Corresponding bead : Not found



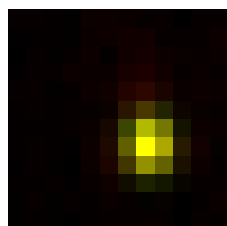
FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	550 nm	573 nm	270 nm
z	1.97 μm	1.97 μm	1.3 μm
Asymmetry	0.797		
Theta	-88.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 605.602$ (brightness)

$B = 123.695$ (background)

$a = 0.697$ px

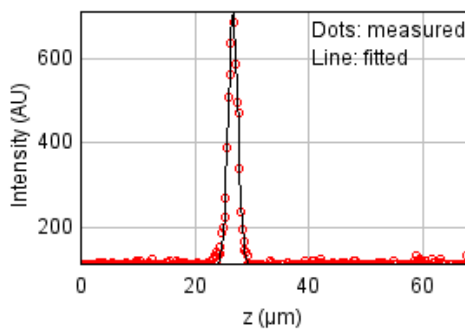
$b = -0.008$ px

$c = 0.444$ px

$x_c = 7.197$ px

$y_c = 6.865$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22566.1151

Standard deviation: 8.57352

$R^2 = 0.99020$

Parameters:

$a = 115.02752$

$b = 710.41042$

$c = 26.77557$

$d = 0.83503$

Bead 1372 (Rejected)

Date : Mon Oct 17 13:52:09 PDT 2022

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

Frame size : 12 pixels

Coordinates : 158 um (x), 94.6 um (y), 27.1 um (z)

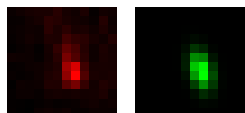
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

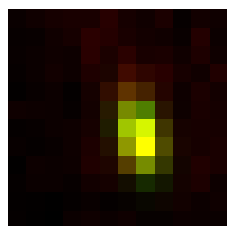
FWHM	Non corrected	Corrected	Theoretical
min	383 nm	399 nm	270 nm
max	695 nm	723 nm	270 nm
z	2.08 um	2.09 um	1.3 um
Asymmetry	0.552		
Theta	-75.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 305.964 (brightness)

B = 123.009 (background)

a = 0.875 px

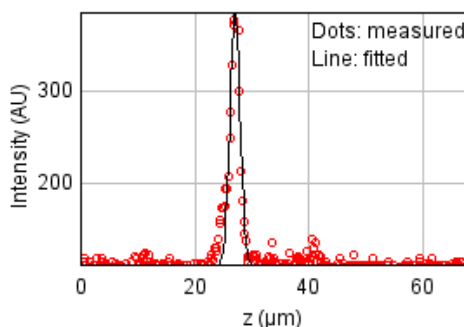
b = -0.151 px

c = 0.316 px

xc = 6.695 px

yc = 6.409 px

Z profile & fitting parameters:



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

Sum of residuals squared: 33420.3064

Standard deviation: 10.43364

R^2 : 0.93807

Parameters:

a = 112.44761

b = 385.66582

c = 27.12349

d = 0.88248

Bead 1373

Date : Mon Oct 17 13:52:09 PDT 2022

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

Frame size : 12 pixels

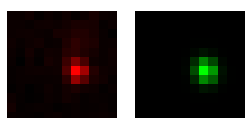
Coordinates : -61.8 μm (x), 76.9 μm (y), 26.5 μm (z)

Corresponding bead : Not found

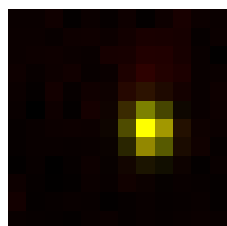
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	456 nm	475 nm	270 nm
z	1.96 μm	1.97 μm	1.3 μm
Asymmetry	0.857		
Theta	-77.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 350.231 (brightness)

B = 118.350 (background)

a = 0.867 px

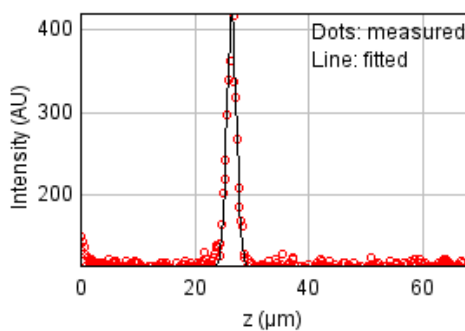
b = -0.051 px

c = 0.656 px

xc = 7.202 px

yc = 6.035 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22022.7015

Standard deviation: 8.46966

R^2 : 0.96471

Parameters:

a = 113.76304

b = 420.18758

c = 26.54499

d = 0.83206

Bead 1374

Date : Mon Oct 17 13:52:09 PDT 2022

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

Frame size : 12 pixels

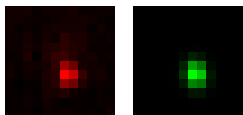
Coordinates : -29.0 μm (x), 54.2 μm (y), 27.1 μm (z)

Corresponding bead : Not found

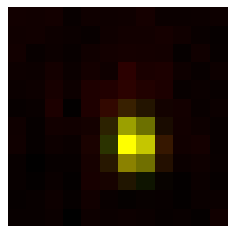
FWHM	Non corrected	Corrected	Theoretical
min	377 nm	392 nm	270 nm
max	488 nm	509 nm	270 nm
z	2.16 μm	2.17 μm	1.3 μm
Asymmetry	0.771		
Theta	-82.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 378.373$ (brightness)

$B = 120.695$ (background)

$a = 0.939$ px

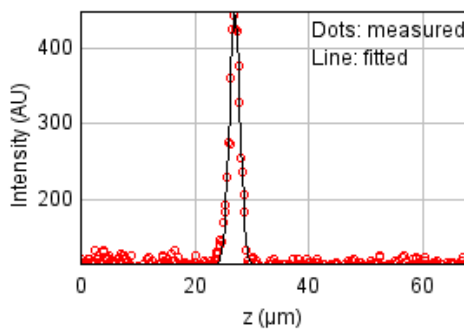
$b = -0.050$ px

$c = 0.569$ px

$x_c = 6.361$ px

$y_c = 6.941$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21294.9153

Standard deviation: 8.32854

$R^2: 0.97346$

Parameters:

$a = 114.91070$

$b = 448.26047$

$c = 27.07343$

$d = 0.91638$

Bead 1375

Date : Mon Oct 17 13:52:09 PDT 2022

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

Frame size : 12 pixels

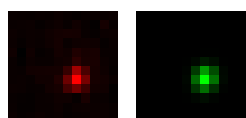
Coordinates : -96.6 μm (x), 9.82 μm (y), 26.9 μm (z)

Corresponding bead : Not found

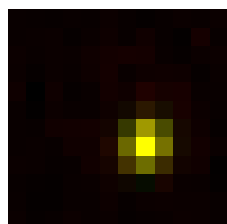
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	450 nm	468 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.874		
Theta	74.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 415.396$ (brightness)

$B = 119.943$ (background)

$a = 0.853$ px

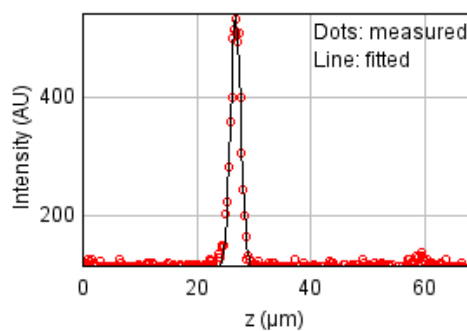
$b = 0.054$ px

$c = 0.679$ px

$x_c = 7.030$ px

$y_c = 6.873$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24752.7607

Standard deviation: 8.97930

$R^2: 0.98028$

Parameters:

$a = 114.54847$

$b = 542.11002$

$c = 26.88636$

$d = 0.87551$

Bead 1376

Date : Mon Oct 17 13:52:09 PDT 2022

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

Frame size : 12 pixels

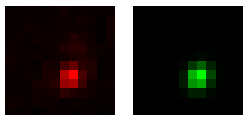
Coordinates : -95.3 μm (x), 3.57 μm (y), 27.3 μm (z)

Corresponding bead : Not found

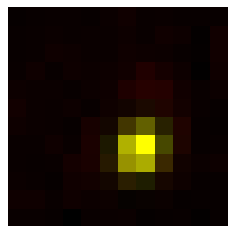
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	409 nm	270 nm
max	460 nm	479 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.853		
Theta	60.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 560.865 (brightness)

B = 123.286 (background)

a = 0.814 px

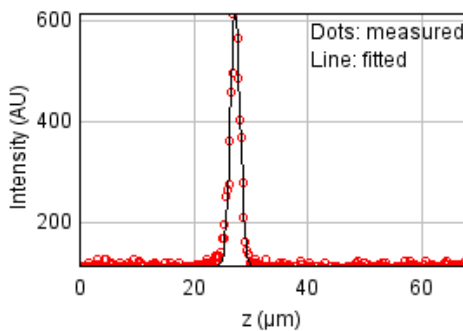
b = 0.102 px

c = 0.692 px

xc = 6.692 px

yc = 7.257 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28584.5443

Standard deviation: 9.64931

R^2 : 0.98312

Parameters:

a = 112.69647

b = 615.11453

c = 27.32961

d = 0.85729

Bead 1377 (Rejected)

Date : Mon Oct 17 13:52:09 PDT 2022

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

Frame size : 12 pixels

Coordinates : -67.0 μm (x), -6.21 μm (y), 23.1 μm (z)

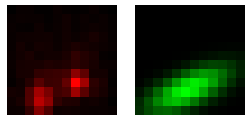
Corresponding bead : Not found

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

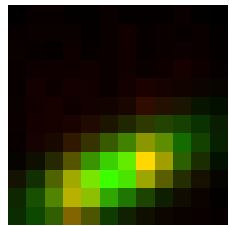
FWHM	Non corrected	Corrected	Theoretical
min	605 nm	630 nm	270 nm
max	1.59 μm	1.66 μm	270 nm
z	2.1 μm	2.11 μm	1.3 μm
Asymmetry	0.38		
Theta	24.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.656$



Parameters:

$A = 315.271$ (brightness)

$B = 126.642$ (background)

$a = 0.107$ px

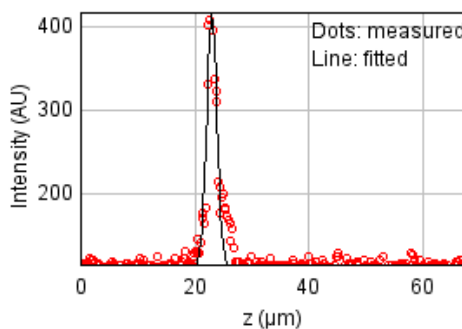
$b = 0.118$ px

$c = 0.313$ px

$xc = 5.291$ px

$yc = 8.716$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 56052.4197

Standard deviation: 13.51226

$R^2: 0.91839$

Parameters:

$a = 114.22596$

$b = 417.52029$

$c = 23.07403$

$d = 0.89285$

Bead 1378

Date : Mon Oct 17 13:52:10 PDT 2022

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

Frame size : 12 pixels

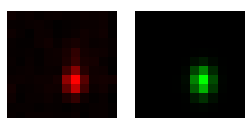
Coordinates : -156 μm (x), -18.8 μm (y), 27.2 μm (z)

Corresponding bead : Not found

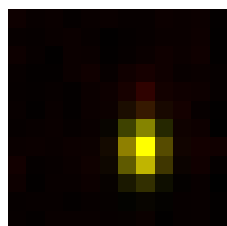
FWHM	Non corrected	Corrected	Theoretical
min	374 nm	390 nm	270 nm
max	516 nm	538 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.725		
Theta	-89.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 521.628 (brightness)

B = 118.370 (background)

a = 0.958 px

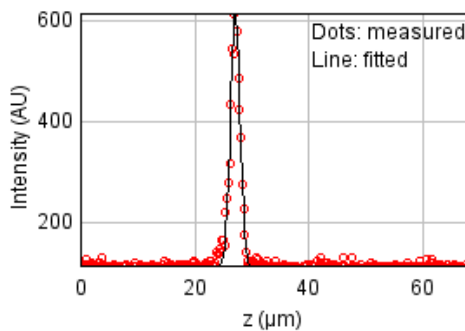
b = -0.002 px

c = 0.504 px

xc = 6.862 px

yc = 7.159 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31091.8507

Standard deviation: 10.06362

R^2 : 0.98135

Parameters:

a = 112.21279

b = 618.30155

c = 27.16092

d = 0.82869

Bead 1379

Date : Mon Oct 17 13:52:10 PDT 2022

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

Frame size : 12 pixels

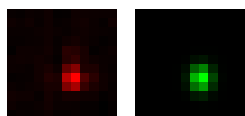
Coordinates : -104 μm (x), -43.2 μm (y), 27.1 μm (z)

Corresponding bead : Not found

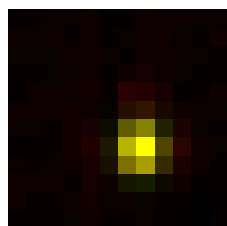
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	415 nm	270 nm
max	478 nm	498 nm	270 nm
z	2.03 μm	2.04 μm	1.3 μm
Asymmetry	0.834		
Theta	89.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 448.036 (brightness)

B = 119.231 (background)

a = 0.844 px

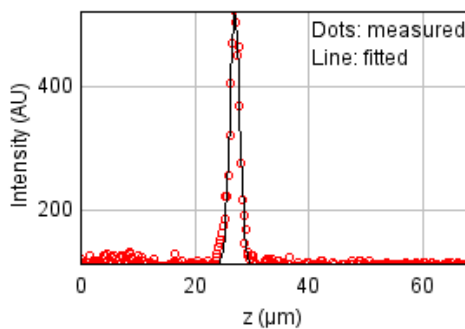
b = 0.002 px

c = 0.587 px

xc = 6.709 px

yc = 7.081 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28213.7023

Standard deviation: 9.58652

R^2 : 0.97518

Parameters:

a = 114.01625

b = 522.49100

c = 27.07763

d = 0.86355

Bead 1380

Date : Mon Oct 17 13:52:10 PDT 2022

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

Frame size : 12 pixels

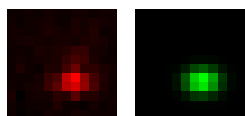
Coordinates : -85.2 μm (x), -63.3 μm (y), 27.2 μm (z)

Corresponding bead : Not found

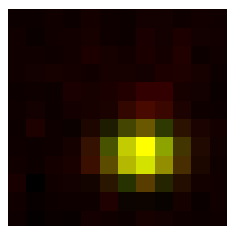
FWHM	Non corrected	Corrected	Theoretical
min	474 nm	494 nm	270 nm
max	631 nm	657 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.752		
Theta	2.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 384.156 (brightness)

B = 120.739 (background)

a = 0.338 px

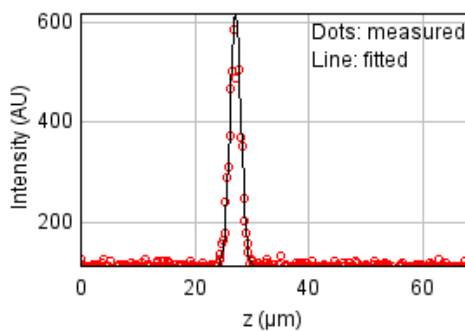
b = 0.010 px

c = 0.596 px

xc = 6.824 px

yc = 7.400 px

Z profile & fitting parameters:



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

Sum of residuals squared: 47575.7865

Standard deviation: 12.44869

R^2 : 0.97485

Parameters:

a = 112.14005

b = 617.53393

c = 27.20204

d = 0.94278

Bead 1381 (Rejected)

Date : Mon Oct 17 13:52:10 PDT 2022

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

Frame size : 12 pixels

Coordinates : -81.2 μm (x), -82.7 μm (y), 22.5 μm (z)

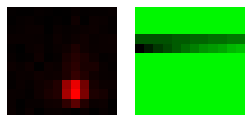
Corresponding bead : Not found

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

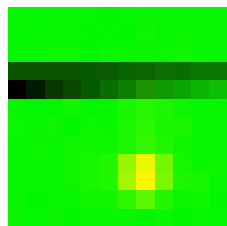
FWHM	Non corrected	Corrected	Theoretical
min	102 nm	106 nm	270 nm
max	9.54 μm	9.94 μm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.011		
Theta	0.2°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.012$



Parameters:

$A = -1051.281$ (brightness)

$B = 140.447$ (background)

$a = 0.002$ px

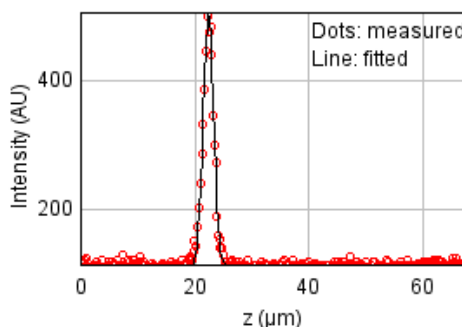
$b = 0.052$ px

$c = 12.969$ px

$xc = -20.096$ px

$yc = 3.595$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 16820.8812

Standard deviation: 7.40210

$R^2: 0.98442$

Parameters:

$a = 114.33585$

$b = 505.68347$

$c = 22.47806$

$d = 0.90416$

Bead 1382

Date : Mon Oct 17 13:52:10 PDT 2022

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

Frame size : 12 pixels

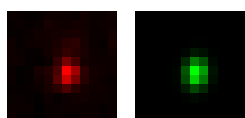
Coordinates : 43.8 μm (x), -84.7 μm (y), 27.1 μm (z)

Corresponding bead : Not found

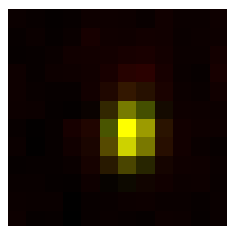
FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	541 nm	563 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.757		
Theta	85.3°		

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 = 452.268 (brightness)

B = 122.587 (background)

a = 0.798 px

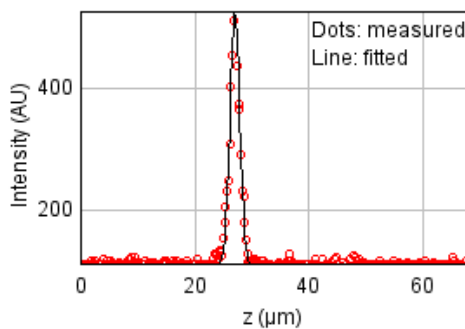
b = 0.028 px

c = 0.461 px

$x_c = 6.178$ px

$y_c = 6.279$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 25521.0760

Standard deviation: 9.11760

R^2 : 0.97713

Parameters:

a = 113.21151

b = 523.34177

c = 27.09194

d = 0.84163

Bead 1383

Date : Mon Oct 17 13:52:10 PDT 2022

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

Frame size : 12 pixels

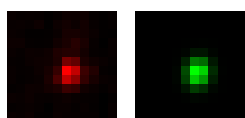
Coordinates : 62.3 μm (x), -93.7 μm (y), 26.9 μm (z)

Corresponding bead : Not found

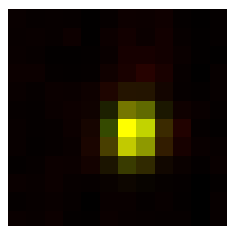
FWHM	Non corrected	Corrected	Theoretical
min	430 nm	448 nm	270 nm
max	522 nm	544 nm	270 nm
z	1.97 μm	1.98 μm	1.3 μm
Asymmetry	0.824		
Theta	79.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 556.651 (brightness)

B = 121.987 (background)

a = 0.717 px

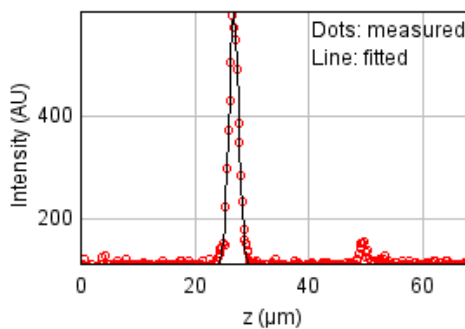
b = 0.041 px

c = 0.500 px

xc = 6.352 px

yc = 6.235 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28652.3023

Standard deviation: 9.66074

R^2 : 0.98164

Parameters:

a = 114.26584

b = 601.86681

c = 26.91631

d = 0.83647

Bead 1384

Date : Mon Oct 17 13:52:11 PDT 2022

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

Frame size : 12 pixels

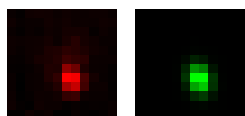
Coordinates : 18.6 μm (x), 55.7 μm (y), 27.6 μm (z)

Corresponding bead : Not found

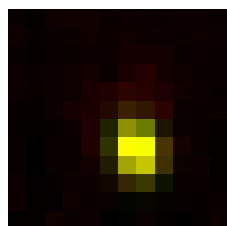
FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	534 nm	556 nm	270 nm
z	2.07 μm	2.08 μm	1.3 μm
Asymmetry	0.752		
Theta	-74.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 615.095 (brightness)

B = 127.368 (background)

a = 0.806 px

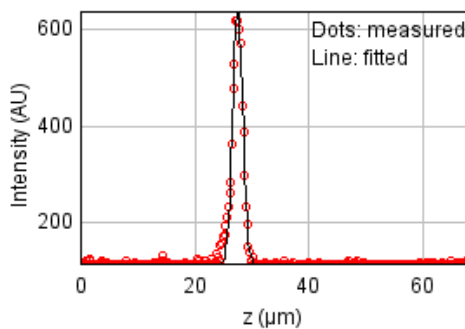
b = -0.091 px

c = 0.495 px

xc = 6.521 px

yc = 7.153 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28907.8290

Standard deviation: 9.70373

R^2 : 0.98465

Parameters:

a = 114.44101

b = 638.45025

c = 27.59496

d = 0.87836

Bead 1385

Date : Mon Oct 17 13:52:11 PDT 2022

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

Frame size : 12 pixels

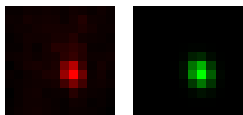
Coordinates : -141 μm (x), 50.8 μm (y), 27.3 μm (z)

Corresponding bead : Not found

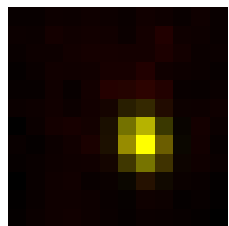
FWHM	Non corrected	Corrected	Theoretical
min	403 nm	419 nm	270 nm
max	496 nm	516 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.812		
Theta	-73.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 373.296 (brightness)

B = 117.132 (background)

a = 0.805 px

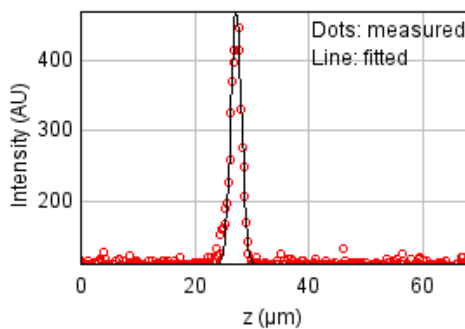
b = -0.077 px

c = 0.569 px

xc = 6.854 px

yc = 6.792 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24664.3785

Standard deviation: 8.96326

R^2 : 0.97370

Parameters:

a = 110.83453

b = 469.72524

c = 27.33124

d = 0.92464

Bead 1386

Date : Mon Oct 17 13:52:11 PDT 2022

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

Frame size : 12 pixels

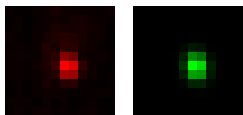
Coordinates : -81.5 μm (x), 45.0 μm (y), 27.6 μm (z)

Corresponding bead : Not found

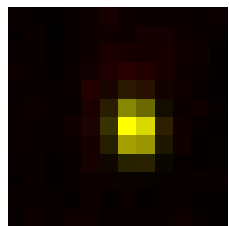
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	498 nm	519 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.774		
Theta	-82.8°		

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:

$A = 528.439$ (brightness)

$B = 121.822$ (background)

$a = 0.898$ px

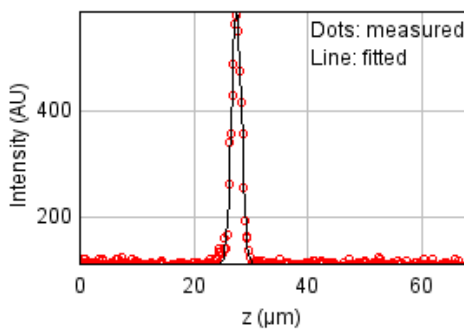
$b = -0.045$ px

$c = 0.546$ px

$x_c = 6.414$ px

$y_c = 6.108$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18729.1979

Standard deviation: 7.81071

$R^2: 0.98740$

Parameters:

$a = 113.67213$

$b = 585.21907$

$c = 27.56262$

$d = 0.85767$

Bead 1387

Date : Mon Oct 17 13:52:11 PDT 2022

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

Frame size : 12 pixels

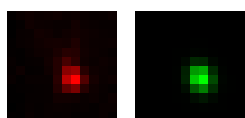
Coordinates : -7.56 μm (x), 29.6 μm (y), 27.5 μm (z)

Corresponding bead : Not found

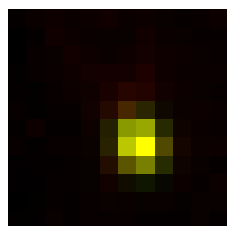
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	503 nm	524 nm	270 nm
z	1.84 μm	1.85 μm	1.3 μm
Asymmetry	0.824		
Theta	-70.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 542.384$ (brightness)

$B = 124.433$ (background)

$a = 0.754$ px

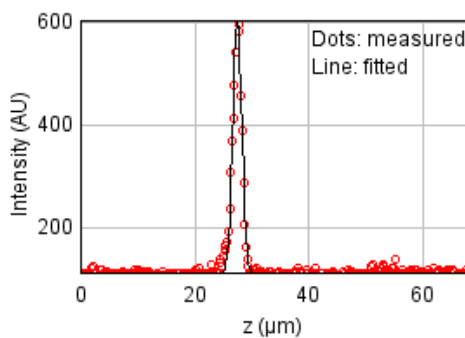
$b = -0.077$ px

$c = 0.557$ px

$x_c = 6.649$ px

$y_c = 6.827$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28803.9429

Standard deviation: 9.68627

$R^2 = 0.98051$

Parameters:

$a = 113.94376$

$b = 603.48975$

$c = 27.52890$

$d = 0.78245$

Bead 1388

Date : Mon Oct 17 13:52:11 PDT 2022

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

Frame size : 12 pixels

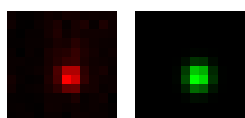
Coordinates : -150 μm (x), 17.1 μm (y), 27.0 μm (z)

Corresponding bead : Not found

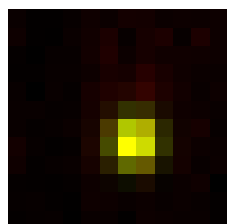
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	462 nm	270 nm
max	486 nm	506 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.913		
Theta	85.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 397.517$ (brightness)

$B = 118.664$ (background)

$a = 0.681$ px

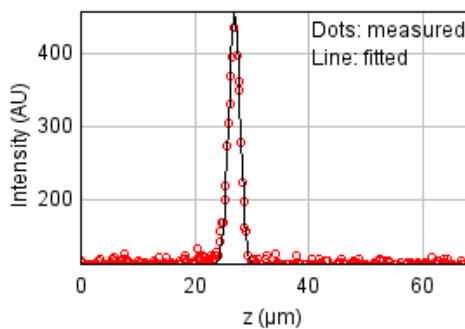
$b = 0.009$ px

$c = 0.569$ px

$x_c = 6.393$ px

$y_c = 6.715$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24127.8049

Standard deviation: 8.86522

$R^2: 0.97387$

Parameters:

$a = 110.80703$

$b = 456.80577$

$c = 27.01901$

$d = 0.98306$

Bead 1389

Date : Mon Oct 17 13:52:11 PDT 2022

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

Frame size : 12 pixels

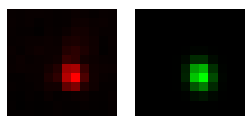
Coordinates : -52.4 μm (x), 157 nm (y), 27.8 μm (z)

Corresponding bead : Not found

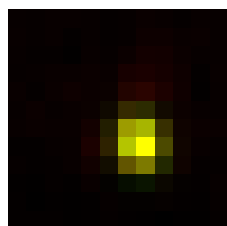
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	436 nm	270 nm
max	504 nm	525 nm	270 nm
z	2.12 μm	2.13 μm	1.3 μm
Asymmetry	0.83		
Theta	-76.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 839.629 (brightness)

B = 129.381 (background)

a = 0.753 px

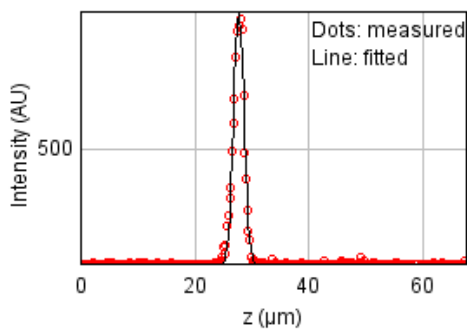
b = -0.055 px

c = 0.542 px

xc = 6.657 px

yc = 6.785 px

Z profile & fitting parameters:



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

Sum of residuals squared: 54088.7193

Standard deviation: 13.27346

R^2 : 0.98922

Parameters:

a = 113.32198

b = 960.99190

c = 27.78635

d = 0.89995

Bead 1390 (Rejected)

Date : Mon Oct 17 13:52:12 PDT 2022

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

Frame size : 12 pixels

Coordinates : -37.0 μm (x), -15.0 μm (y), 23.8 μm (z)

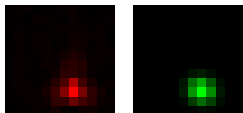
Corresponding bead : Not found

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

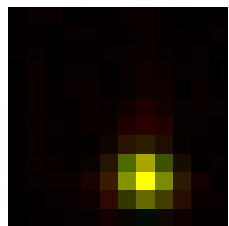
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	464 nm	270 nm
max	491 nm	512 nm	270 nm
z	3.37 μm	3.39 μm	1.3 μm
Asymmetry	0.906		
Theta	-25.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 664.056 (brightness)

B = 128.808 (background)

a = 0.578 px

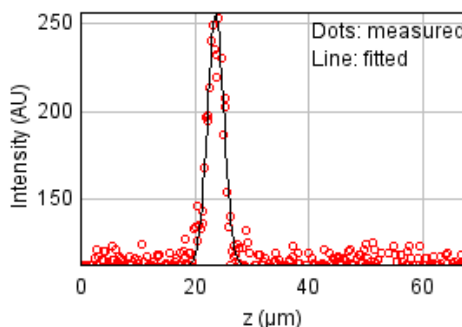
b = -0.047 px

c = 0.654 px

xc = 6.959 px

yc = 8.826 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18404.0250

Standard deviation: 7.74261

R^2 : 0.92231

Parameters:

a = 112.90214

b = 255.94722

c = 23.75044

d = 1.43276

Bead 1391 (Rejected)

Date : Mon Oct 17 13:52:12 PDT 2022

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

Frame size : 12 pixels

Coordinates : -76.4 μm (x), -44.2 μm (y), 24.6 μm (z)

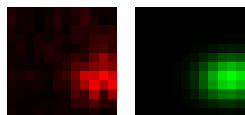
Corresponding bead : Not found

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

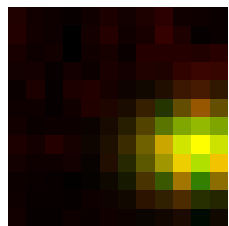
FWHM	Non corrected	Corrected	Theoretical
min	779 nm	811 nm	270 nm
max	1.09 μm	1.14 μm	270 nm
z	2.66 μm	2.67 μm	1.3 μm
Asymmetry	0.712		
Theta	3.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 161.624 (brightness)

B = 115.528 (background)

a = 0.113 px

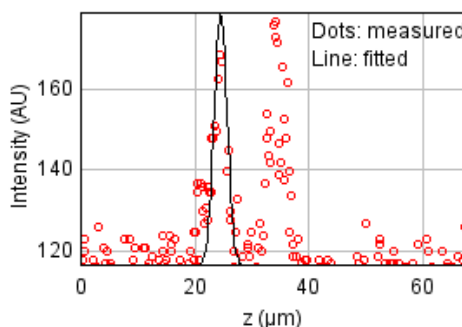
b = 0.007 px

c = 0.221 px

xc = 9.933 px

yc = 7.216 px

Z profile & fitting parameters:



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

Sum of residuals squared: 51516.3602

Standard deviation: 12.95399

R^2 : 0.39363

Parameters:

a = 116.51376

b = 178.97614

c = 24.61027

d = 1.13079

Bead 1392 (Rejected)

Date : Mon Oct 17 13:52:12 PDT 2022

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

Frame size : 12 pixels

Coordinates : 58.6 μm (x), -54.4 μm (y), 24.3 μm (z)

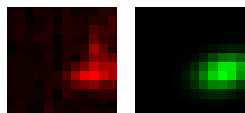
Corresponding bead : Not found

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

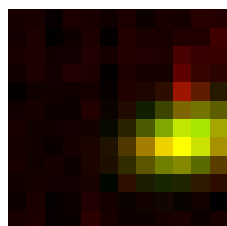
FWHM	Non corrected	Corrected	Theoretical
min	602 nm	627 nm	270 nm
max	977 nm	1.02 μm	270 nm
z	2.05 μm	2.06 μm	1.3 μm
Asymmetry	0.616		
Theta	15.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.846$



Parameters:

A = 163.193 (brightness)

B = 116.526 (background)

a = 0.157 px

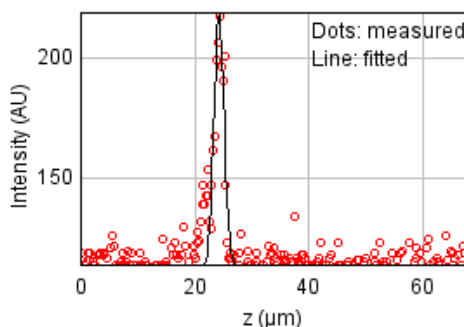
b = 0.058 px

c = 0.354 px

xc = 9.262 px

yc = 6.592 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16283.8057

Standard deviation: 7.28297

R^2 : 0.82152

Parameters:

a = 113.50378

b = 219.38443

c = 24.34018

d = 0.86941

Bead 1393

Date : Mon Oct 17 13:52:12 PDT 2022

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

Frame size : 12 pixels

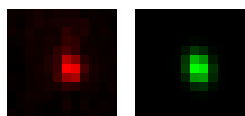
Coordinates : 129 μm (x), -72.7 μm (y), 26.9 μm (z)

Corresponding bead : Not found

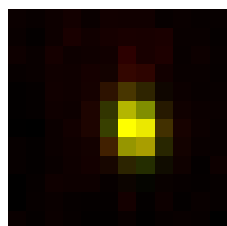
FWHM	Non corrected	Corrected	Theoretical
min	421 nm	439 nm	270 nm
max	566 nm	590 nm	270 nm
z	2.26 μm	2.27 μm	1.3 μm
Asymmetry	0.745		
Theta	-77.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 410.914 (brightness)

B = 118.597 (background)

a = 0.739 px

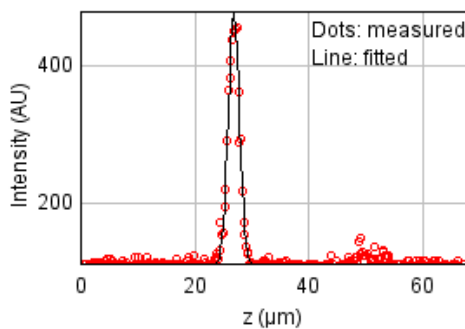
b = -0.073 px

c = 0.436 px

xc = 6.431 px

yc = 5.964 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25631.9555

Standard deviation: 9.13738

R^2 : 0.97473

Parameters:

a = 111.84847

b = 479.01099

c = 26.92051

d = 0.95848

Bead 1394 (Rejected)

Date : Mon Oct 17 13:52:12 PDT 2022

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

Frame size : 12 pixels

Coordinates : -28.9 μm (x), -87.6 μm (y), 28.4 μm (z)

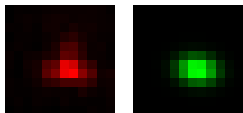
Corresponding bead : Not found

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

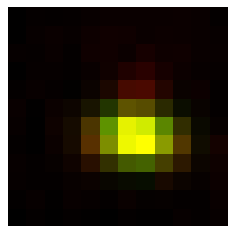
FWHM	Non corrected	Corrected	Theoretical
min	505 nm	526 nm	270 nm
max	716 nm	746 nm	270 nm
z	3.43 μm	3.45 μm	1.3 μm
Asymmetry	0.706		
Theta	-6.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 590.553 (brightness)

B = 126.947 (background)

a = 0.265 px

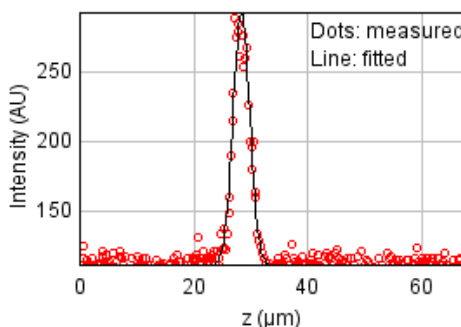
b = -0.029 px

c = 0.522 px

xc = 6.505 px

yc = 6.552 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19563.2846

Standard deviation: 7.98273

R^2 : 0.94755

Parameters:

a = 111.93265

b = 292.38317

c = 28.43408

d = 1.45853

Bead 1395

Date : Mon Oct 17 13:52:12 PDT 2022

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

Frame size : 12 pixels

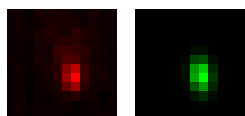
Coordinates : 99.2 μm (x), 80.7 μm (y), 27.4 μm (z)

Corresponding bead : Not found

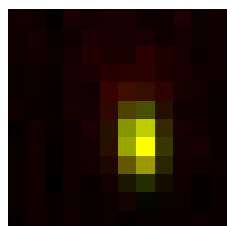
FWHM	Non corrected	Corrected	Theoretical
min	368 nm	383 nm	270 nm
max	609 nm	634 nm	270 nm
z	2.14 μm	2.14 μm	1.3 μm
Asymmetry	0.604		
Theta	-84.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 376.119$ (brightness)

$B = 123.094$ (background)

$a = 0.986$ px

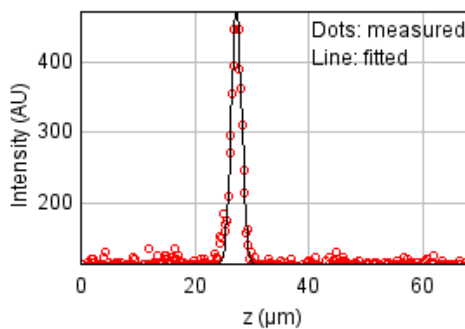
$b = -0.064$ px

$c = 0.369$ px

$x_c = 6.705$ px

$y_c = 6.750$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23635.2368

Standard deviation: 8.77427

$R^2 = 0.97452$

Parameters:

$a = 113.17043$

$b = 473.54819$

$c = 27.37742$

$d = 0.90683$

Bead 1396

Date : Mon Oct 17 13:52:12 PDT 2022

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

Frame size : 12 pixels

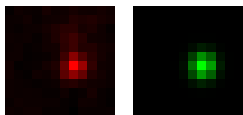
Coordinates : 103 μm (x), 38.4 μm (y), 27.6 μm (z)

Corresponding bead : Not found

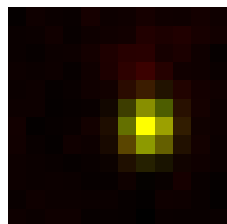
FWHM	Non corrected	Corrected	Theoretical
min	457 nm	475 nm	270 nm
max	499 nm	520 nm	270 nm
z	1.88 μm	1.89 μm	1.3 μm
Asymmetry	0.915		
Theta	82.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 346.700$ (brightness)

$B = 121.017$ (background)

$a = 0.642$ px

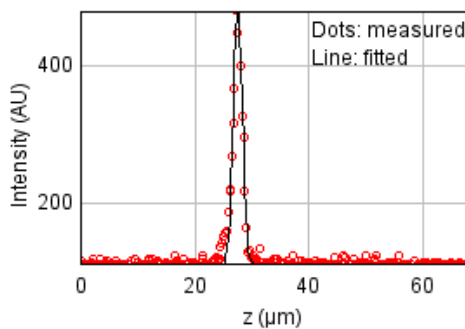
$b = 0.013$ px

$c = 0.540$ px

$xc = 7.139$ px

$yc = 6.031$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26705.4883

Standard deviation: 9.32677

$R^2: 0.96908$

Parameters:

$a = 112.21872$

$b = 480.84738$

$c = 27.61702$

$d = 0.79776$

Bead 1397 (Rejected)

Date : Mon Oct 17 13:52:12 PDT 2022

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

Frame size : 12 pixels

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

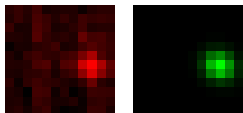
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

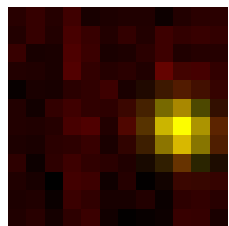
FWHM	Non corrected	Corrected	Theoretical
min	514 nm	535 nm	270 nm
max	571 nm	595 nm	270 nm
z	2.73 um	2.74 um	1.3 um
Asymmetry	0.899		
Theta	-36.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 85.538 (brightness)

B = 114.102 (background)

a = 0.446 px

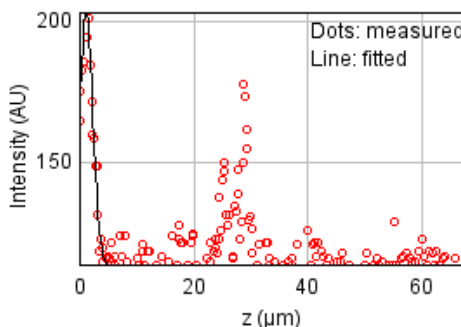
b = -0.047 px

c = 0.473 px

xc = 8.906 px

yc = 6.149 px

Z profile & fitting parameters:



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

Sum of residuals squared: 35539.7774

Standard deviation: 10.75940

R^2 : 0.65864

Parameters:

a = 113.42330

b = 203.47498

c = 1.24472

d = 1.16081

Bead 1398

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

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

Frame size : 12 pixels

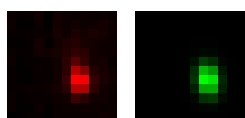
Coordinates : 83.9 μm (x), 20.1 μm (y), 27.6 μm (z)

Corresponding bead : Not found

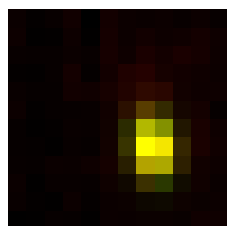
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	412 nm	270 nm
max	596 nm	620 nm	270 nm
z	2.39 μm	2.4 μm	1.3 μm
Asymmetry	0.665		
Theta	-82.1°		

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 = 515.427 (brightness)

B = 125.391 (background)

a = 0.847 px

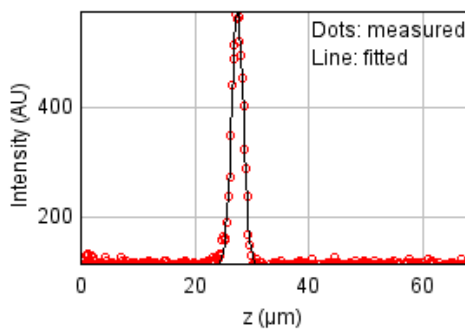
b = -0.065 px

c = 0.387 px

xc = 7.437 px

yc = 6.998 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17730.9730

Standard deviation: 7.59971

R^2 : 0.98944

Parameters:

a = 113.02186

b = 575.80688

c = 27.55709

d = 1.01658

Bead 1399 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : -9.52 μm (x), 14.7 μm (y), 24.8 μm (z)

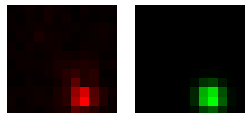
Corresponding bead : Not found

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

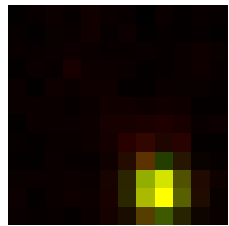
FWHM	Non corrected	Corrected	Theoretical
min	454 nm	473 nm	270 nm
max	480 nm	500 nm	270 nm
z	3.05 μm	3.07 μm	1.3 μm
Asymmetry	0.945		
Theta	-69.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 448.079 (brightness)

B = 124.254 (background)

a = 0.643 px

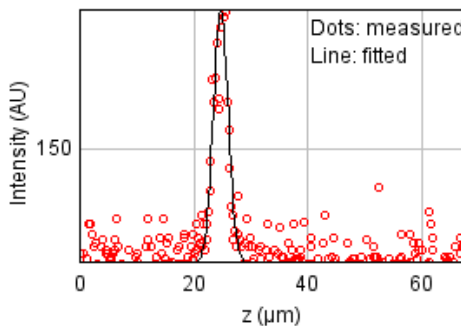
b = -0.023 px

c = 0.591 px

xc = 7.729 px

yc = 9.589 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15144.1342

Standard deviation: 7.02349

R^2 : 0.80612

Parameters:

a = 113.79218

b = 194.20457

c = 24.80835

d = 1.29667

Bead 1400

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

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

Frame size : 12 pixels

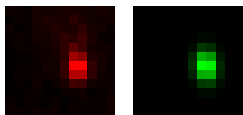
Coordinates : 102 um (x), 12.6 um (y), 27.6 um (z)

Corresponding bead : Not found

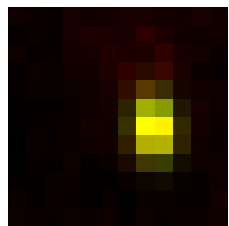
FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	595 nm	619 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.66		
Theta	-85.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 427.192 (brightness)

B = 122.075 (background)

a = 0.869 px

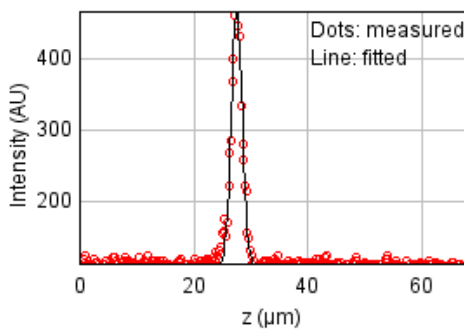
b = -0.043 px

c = 0.383 px

xc = 7.471 px

yc = 6.044 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19021.9697

Standard deviation: 7.87152

R^2 : 0.97900

Parameters:

a = 113.91110

b = 466.33477

c = 27.60118

d = 0.93175