

Bead 601

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

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

Frame size : 12 pixels

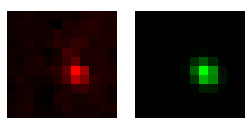
Coordinates : -126 μm (x), 32.2 μm (y), 11.8 μm (z)

Corresponding bead : Not found

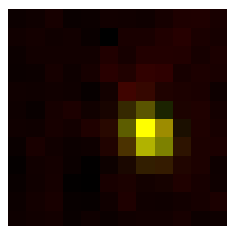
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	462 nm	481 nm	270 nm
z	2.13 μm	2.13 μm	1.3 μm
Asymmetry	0.833		
Theta	-52.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 249.936 (brightness)

B = 116.467 (background)

a = 0.805 px

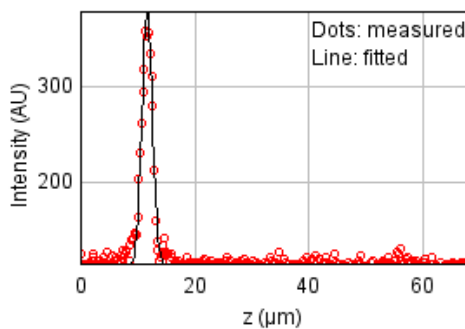
b = -0.135 px

c = 0.733 px

xc = 7.176 px

yc = 6.294 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20128.1866

Standard deviation: 8.09717

R^2 : 0.96128

Parameters:

a = 112.54551

b = 381.09360

c = 11.75514

d = 0.90268

Bead 602 (Rejected)

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

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

Frame size : 12 pixels

Coordinates : 16.7 μm (x), 26.2 μm (y), 9.02 μm (z)

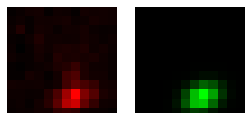
Corresponding bead : Not found

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

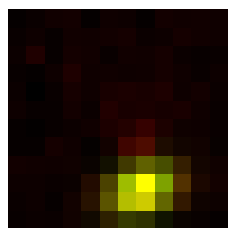
FWHM	Non corrected	Corrected	Theoretical
min	453 nm	471 nm	270 nm
max	641 nm	668 nm	270 nm
z	3.97 μm	3.98 μm	1.3 μm
Asymmetry	0.706		
Theta	23.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 309.609 (brightness)

B = 125.381 (background)

a = 0.378 px

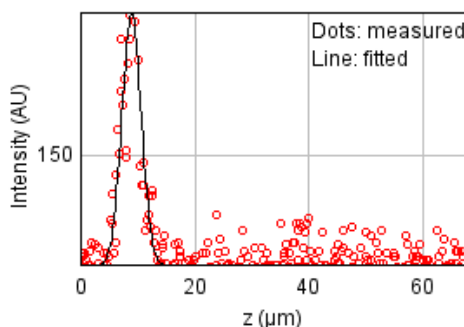
b = 0.119 px

c = 0.603 px

xc = 6.790 px

yc = 9.349 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17743.6336

Standard deviation: 7.60242

R^2 : 0.82925

Parameters:

a = 113.96759

b = 197.39292

c = 9.01551

d = 1.68536

Bead 603 (Rejected)

Date : Mon Oct 17 13:51:18 PDT 2022

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

Frame size : 12 pixels

Coordinates : 23.6 μm (x), -24.4 μm (y), 8.89 μm (z)

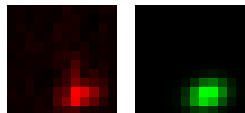
Corresponding bead : Not found

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

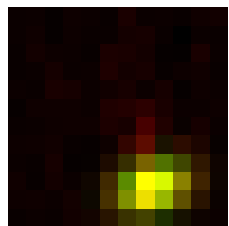
FWHM	Non corrected	Corrected	Theoretical
min	485 nm	505 nm	270 nm
max	683 nm	712 nm	270 nm
z	3.21 μm	3.22 μm	1.3 μm
Asymmetry	0.709		
Theta	18.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 276.494 (brightness)

B = 118.794 (background)

a = 0.315 px

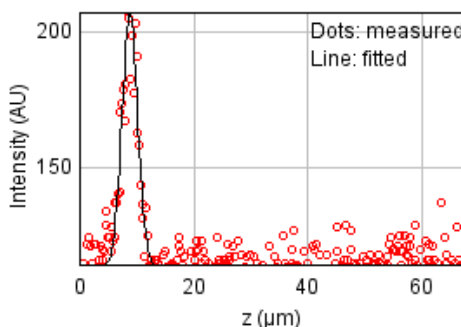
b = 0.085 px

c = 0.544 px

xc = 7.376 px

yc = 9.315 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14172.6362

Standard deviation: 6.79448

R^2 : 0.85931

Parameters:

a = 114.78524

b = 206.94839

c = 8.88822

d = 1.36193

Bead 604

Date : Mon Oct 17 13:51:18 PDT 2022

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

Frame size : 12 pixels

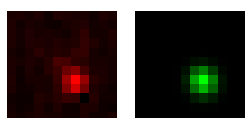
Coordinates : 126 μm (x), -25.9 μm (y), 11.8 μm (z)

Corresponding bead : Not found

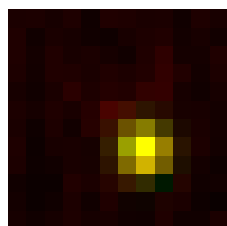
FWHM	Non corrected	Corrected	Theoretical
min	473 nm	492 nm	270 nm
max	506 nm	527 nm	270 nm
z	2.35 μm	2.36 μm	1.3 μm
Asymmetry	0.934		
Theta	-66.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 274.149$ (brightness)

$B = 118.548$ (background)

$a = 0.588$ px

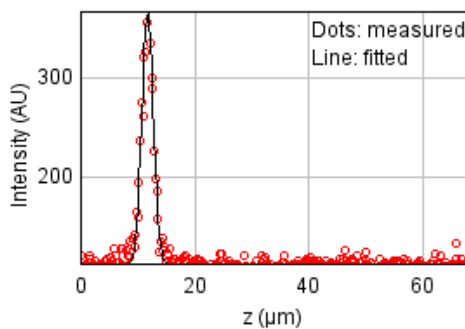
$b = -0.028$ px

$c = 0.537$ px

$x_c = 6.906$ px

$y_c = 7.165$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 17151.3711

Standard deviation: 7.47447

$R^2: 0.96677$

Parameters:

$a = 112.03059$

$b = 367.78450$

$c = 11.82918$

$d = 0.99917$

Bead 605 (Rejected)

Date : Mon Oct 17 13:51:18 PDT 2022

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

Frame size : 12 pixels

Coordinates : 155 μm (x), -49.7 μm (y), 11.0 μm (z)

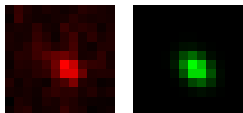
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

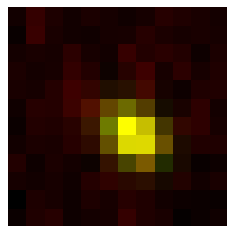
FWHM	Non corrected	Corrected	Theoretical
min	456 nm	474 nm	270 nm
max	607 nm	632 nm	270 nm
z	2.92 μm	2.93 μm	1.3 μm
Asymmetry	0.75		
Theta	-44.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.886$



Parameters:

A = 138.800 (brightness)

B = 113.114 (background)

a = 0.503 px

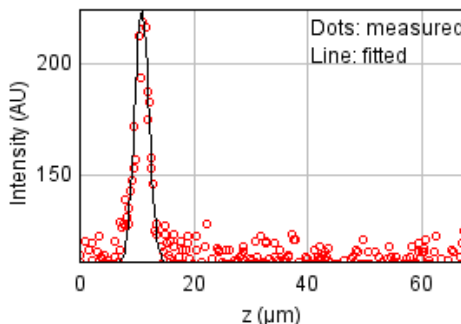
b = -0.141 px

c = 0.508 px

xc = 6.343 px

yc = 6.445 px

Z profile & fitting parameters:



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

Sum of residuals squared: 17030.0360

Standard deviation: 7.44798

R^2 : 0.87842

Parameters:

a = 110.11131

b = 224.85446

c = 10.98219

d = 1.24046

Bead 606

Date : Mon Oct 17 13:51:18 PDT 2022

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

Frame size : 12 pixels

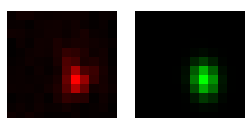
Coordinates : 80.8 μm (x), -77.1 μm (y), 11.9 μm (z)

Corresponding bead : Not found

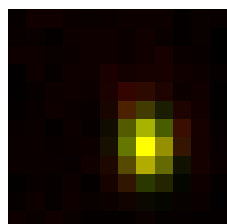
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	465 nm	270 nm
max	602 nm	627 nm	270 nm
z	2.41 μm	2.42 μm	1.3 μm
Asymmetry	0.742		
Theta	-82.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 431.398$ (brightness)

$B = 124.012$ (background)

$a = 0.668$ px

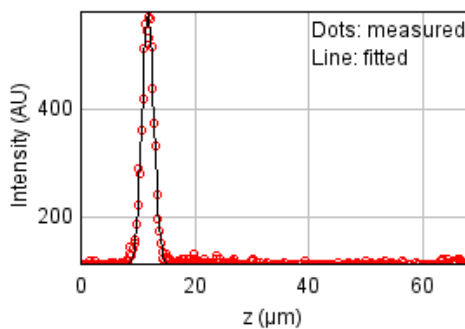
$b = -0.039$ px

$c = 0.375$ px

$x_c = 7.068$ px

$y_c = 6.980$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19861.7270

Standard deviation: 8.04339

$R^2: 0.98860$

Parameters:

$a = 112.84495$

$b = 582.67035$

$c = 11.88424$

$d = 1.02310$

Bead 607 (Rejected)

Date : Mon Oct 17 13:51:18 PDT 2022

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

Frame size : 12 pixels

Coordinates : -110 μm (x), -93.4 μm (y), 9.45 μm (z)

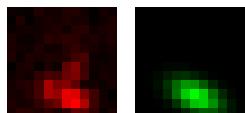
Corresponding bead : Not found

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

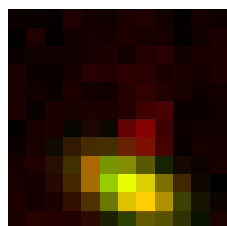
FWHM	Non corrected	Corrected	Theoretical
min	525 nm	547 nm	270 nm
max	964 nm	1.0 μm	270 nm
z	3.22 μm	3.23 μm	1.3 μm
Asymmetry	0.545		
Theta	-25.6°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.800$



Parameters:

A = 126.284 (brightness)

B = 119.667 (background)

a = 0.209 px

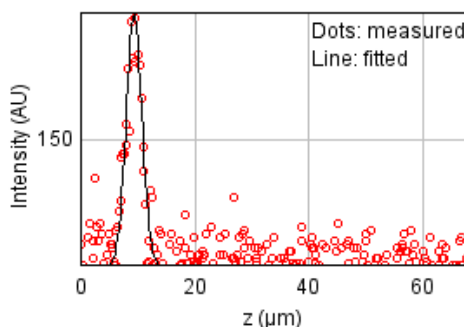
b = -0.134 px

c = 0.423 px

xc = 6.161 px

yc = 9.239 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14422.0973

Standard deviation: 6.85401

R^2 : 0.80282

Parameters:

a = 112.43764

b = 188.22016

c = 9.45304

d = 1.36685

Bead 608 (Rejected)

Date : Mon Oct 17 13:51:18 PDT 2022

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

Frame size : 12 pixels

Coordinates : -96.6 μm (x), -95.7 μm (y), 9.37 μm (z)

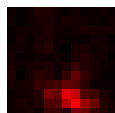
Corresponding bead : Not found

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	3.65 μm	3.66 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

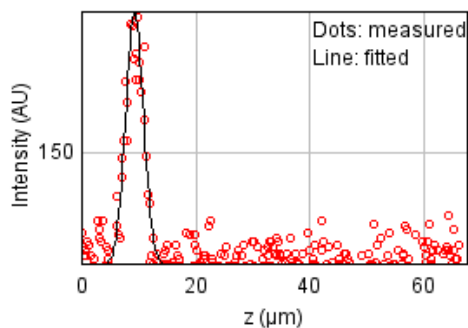
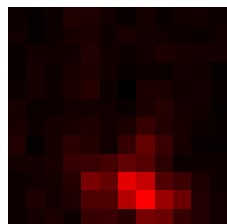
XY profile & fitting parameters :

(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: 16434.4226

Standard deviation: 7.31658

R²: 0.83711

Parameters:

a = 111.93551

b = 197.73765

c = 9.37045

d = 1.54956

Bead 609 (Rejected)

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

Coordinates : 75.2 μm (x), 72.0 μm (y), 11.8 μm (z)

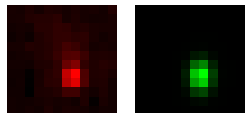
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

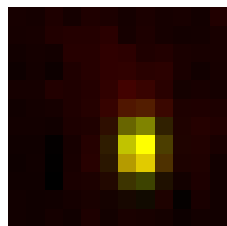
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	550 nm	573 nm	270 nm
z	2.63 μm	2.64 μm	1.3 μm
Asymmetry	0.723		
Theta	89.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 364.005 (brightness)

B = 122.486 (background)

a = 0.848 px

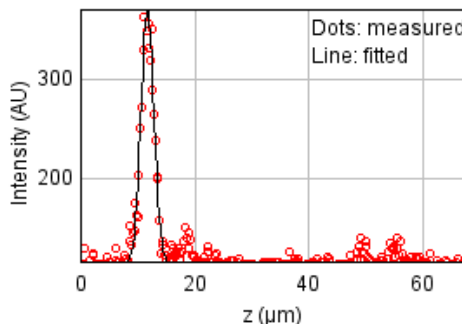
b = 0.002 px

c = 0.443 px

xc = 6.659 px

yc = 7.242 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30990.3249

Standard deviation: 10.04717

R^2 : 0.94638

Parameters:

a = 115.97983

b = 369.94930

c = 11.79991

d = 1.11803

Bead 610

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

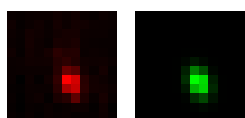
Coordinates : -26.1 μm (x), 61.2 μm (y), 12.1 μm (z)

Corresponding bead : Not found

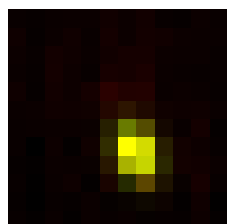
FWHM	Non corrected	Corrected	Theoretical
min	366 nm	381 nm	270 nm
max	527 nm	549 nm	270 nm
z	1.79 μm	1.8 μm	1.3 μm
Asymmetry	0.694		
Theta	-70.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 553.551 (brightness)

B = 123.234 (background)

a = 0.942 px

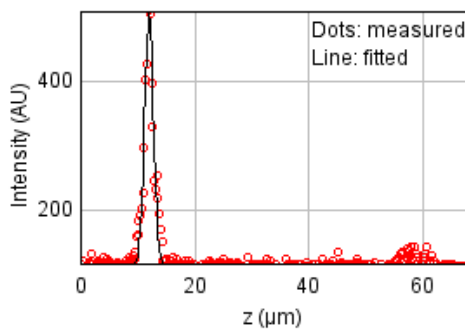
b = -0.165 px

c = 0.542 px

xc = 6.473 px

yc = 7.314 px

Z profile & fitting parameters:



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

Sum of residuals squared: 55506.2052

Standard deviation: 13.44626

R^2 : 0.94301

Parameters:

a = 115.55834

b = 510.29895

c = 12.06563

d = 0.76197

Bead 611

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

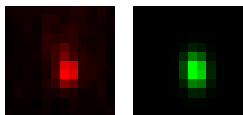
Coordinates : 36.4 μm (x), 57.0 μm (y), 12.2 μm (z)

Corresponding bead : Not found

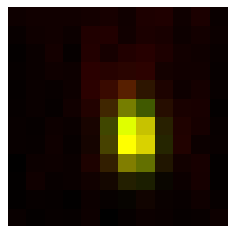
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	620 nm	646 nm	270 nm
z	2.41 μm	2.42 μm	1.3 μm
Asymmetry	0.669		
Theta	-84.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 387.595$ (brightness)

$B = 123.156$ (background)

$a = 0.775$ px

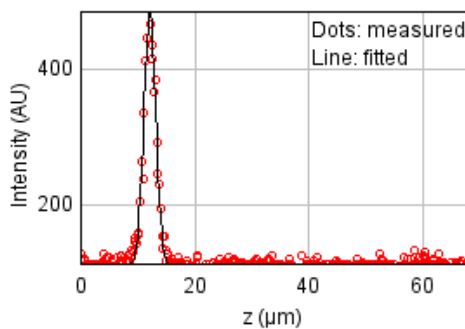
$b = -0.039$ px

$c = 0.352$ px

$x_c = 6.352$ px

$y_c = 6.537$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26882.1124

Standard deviation: 9.35756

$R^2: 0.97555$

Parameters:

$a = 114.59235$

$b = 485.63740$

$c = 12.21332$

$d = 1.02151$

Bead 612

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

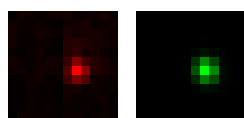
Coordinates : -80.9 μm (x), 32.7 μm (y), 12.0 μm (z)

Corresponding bead : Not found

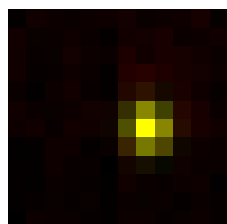
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	443 nm	462 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.869		
Theta	-78.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 347.612$ (brightness)

$B = 119.749$ (background)

$a = 0.896$ px

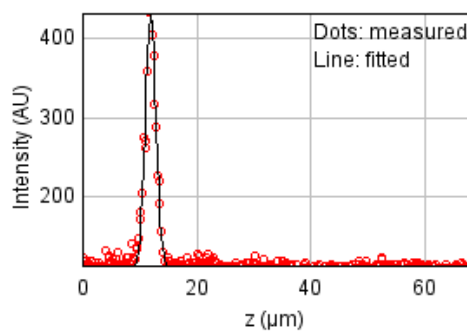
$b = -0.042$ px

$c = 0.691$ px

$x_c = 7.139$ px

$y_c = 5.964$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24131.6280

Standard deviation: 8.86593

$R^2: 0.96740$

Parameters:

$a = 112.62110$

$b = 433.15098$

$c = 12.00534$

$d = 0.90845$

Bead 613 (Rejected)

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

Coordinates : 163 μm (x), 25.5 μm (y), 11.4 μm (z)

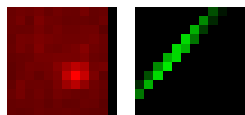
Corresponding bead : Not found

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

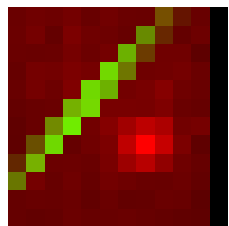
FWHM	Non corrected	Corrected	Theoretical
min	109 nm	114 nm	270 nm
max	1.95 μm	2.03 μm	270 nm
z	2.93 μm	2.94 μm	1.3 μm
Asymmetry	0.056		
Theta	45.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.004$



Parameters:

A = 43.385 (brightness)

B = 112.821 (background)

a = 5.779 px

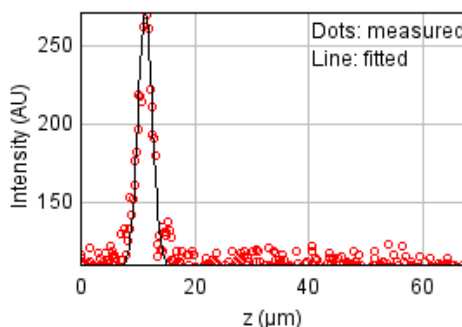
b = 5.593 px

c = 5.481 px

xc = 3.700 px

yc = 4.807 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20719.9787

Standard deviation: 8.21534

R^2 : 0.92124

Parameters:

a = 110.12148

b = 270.87843

c = 11.41466

d = 1.24511

Bead 614 (Rejected)

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

Coordinates : 2.42 μm (x), 2.31 μm (y), 9.92 μm (z)

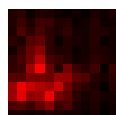
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	1.53 μm	1.54 μm	1.3 μm
Asymmetry	0.0		
Theta	0.0°		

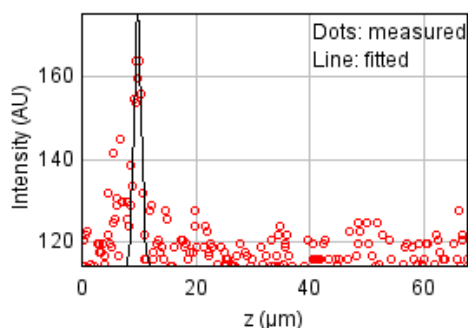
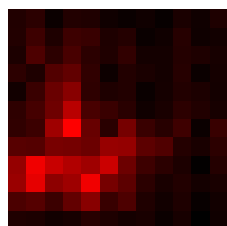
XY profile & fitting parameters :

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



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

Z profile & fitting parameters:



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

Sum of residuals squared: 14906.9251

Standard deviation: 6.96827

R²: 0.55870

Parameters:

a = 114.26790

b = 175.33114

c = 9.92084

d = 0.65037

Bead 615 (Rejected)

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

Coordinates : -14.6 μm (x), -3.48 μm (y), 12.8 μm (z)

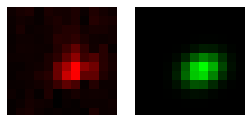
Corresponding bead : Not found

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

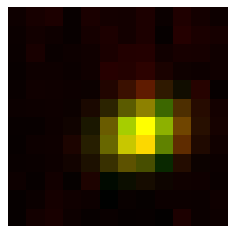
FWHM	Non corrected	Corrected	Theoretical
min	543 nm	565 nm	270 nm
max	716 nm	746 nm	270 nm
z	3.23 μm	3.24 μm	1.3 μm
Asymmetry	0.758		
Theta	22.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 245.283 (brightness)

B = 119.914 (background)

a = 0.291 px

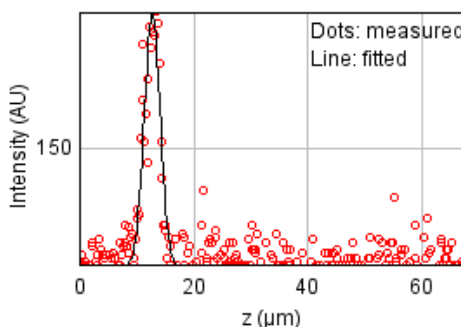
b = 0.069 px

c = 0.426 px

xc = 6.794 px

yc = 6.334 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15359.9161

Standard deviation: 7.07335

R^2 : 0.81641

Parameters:

a = 112.50899

b = 194.11048

c = 12.80009

d = 1.37159

Bead 616

Date : Mon Oct 17 13:51:19 PDT 2022

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

Frame size : 12 pixels

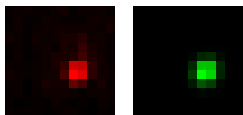
Coordinates : -88.8 μm (x), -27.5 μm (y), 12.0 μm (z)

Corresponding bead : Not found

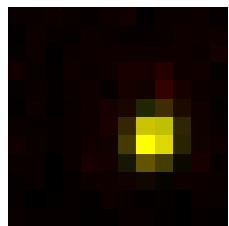
FWHM	Non corrected	Corrected	Theoretical
min	396 nm	412 nm	270 nm
max	456 nm	475 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.869		
Theta	65.4°		

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 = 576.717 (brightness)

B = 123.570 (background)

a = 0.820 px

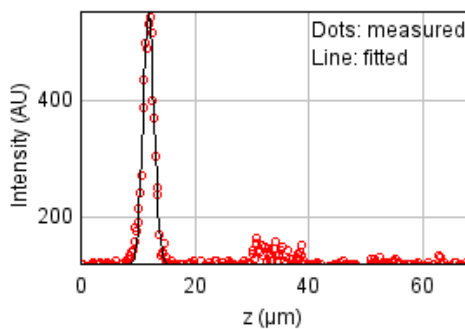
b = 0.079 px

c = 0.682 px

$x_c = 7.427$ px

$y_c = 6.645$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 47383.5661

Standard deviation: 12.42352

R^2 : 0.96700

Parameters:

a = 117.75716

b = 554.85933

c = 11.99648

d = 0.94911

Bead 617

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

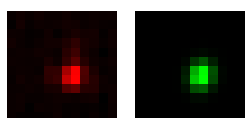
Coordinates : -59.9 μm (x), -61.8 μm (y), 12.2 μm (z)

Corresponding bead : Not found

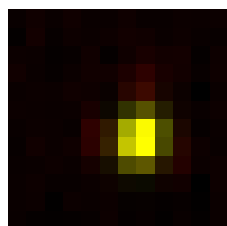
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	500 nm	521 nm	270 nm
z	2.27 μm	2.27 μm	1.3 μm
Asymmetry	0.829		
Theta	75.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 599.326 (brightness)

B = 125.037 (background)

a = 0.764 px

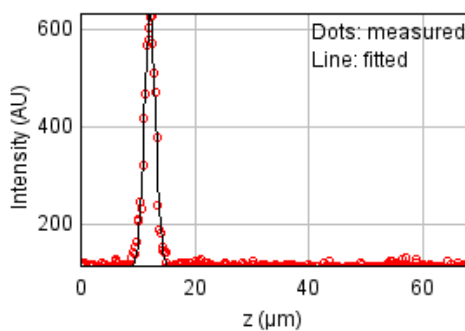
b = 0.059 px

c = 0.551 px

$x_c = 6.705$ px

$y_c = 6.551$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 33214.4728

Standard deviation: 10.40146

R^2 : 0.98372

Parameters:

a = 113.28368

b = 635.54764

c = 12.23812

d = 0.96186

Bead 618

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

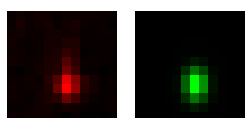
Coordinates : 3.99 μm (x), -62.5 μm (y), 11.9 μm (z)

Corresponding bead : Not found

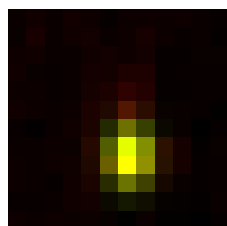
FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	579 nm	603 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.717		
Theta	89.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 397.209 (brightness)

B = 120.471 (background)

a = 0.779 px

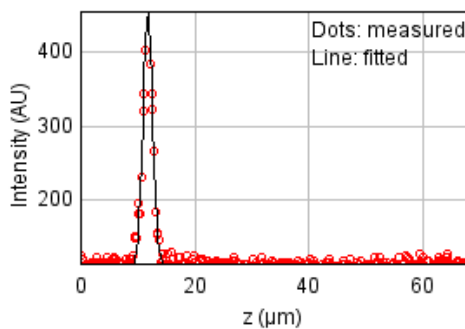
b = 0.001 px

c = 0.401 px

xc = 6.131 px

yc = 7.510 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20127.0091

Standard deviation: 8.09693

R^2 : 0.97351

Parameters:

a = 113.42400

b = 453.94469

c = 11.87156

d = 0.82746

Bead 619

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

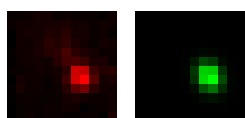
Coordinates : 113 um (x), -86.7 um (y), 12.1 um (z)

Corresponding bead : Not found

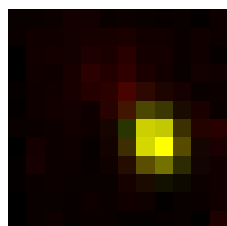
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	442 nm	270 nm
max	528 nm	550 nm	270 nm
z	2.77 um	2.78 um	1.3 um
Asymmetry	0.804		
Theta	-64.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 383.289 (brightness)

B = 125.180 (background)

a = 0.697 px

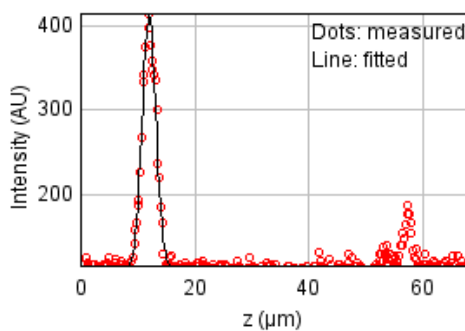
b = -0.102 px

c = 0.529 px

xc = 7.569 px

yc = 6.644 px

Z profile & fitting parameters:



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

Sum of residuals squared: 51305.1025

Standard deviation: 12.92740

R^2 : 0.93983

Parameters:

a = 114.27761

b = 414.61275

c = 12.07892

d = 1.17491

Bead 620

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

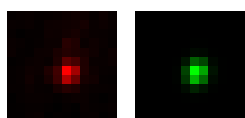
Coordinates : -141 μm (x), 19.0 μm (y), 12.7 μm (z)

Corresponding bead : Not found

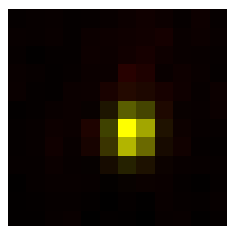
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	451 nm	470 nm	270 nm
z	2.13 μm	2.14 μm	1.3 μm
Asymmetry	0.853		
Theta	76.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 497.180 (brightness)

B = 120.253 (background)

a = 0.892 px

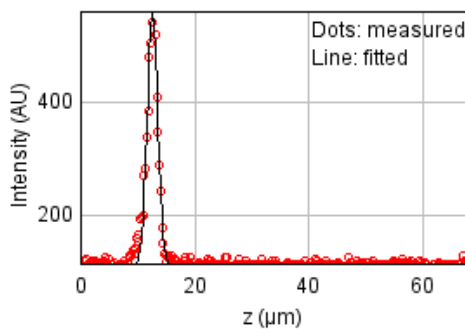
b = 0.058 px

c = 0.675 px

xc = 6.244 px

yc = 6.223 px

Z profile & fitting parameters:



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

Sum of residuals squared: 31935.5852

Standard deviation: 10.19925

R^2 : 0.97809

Parameters:

a = 112.43743

b = 565.56174

c = 12.66401

d = 0.90460

Bead 621

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

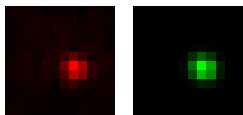
Coordinates : -159 μm (x), 16.8 μm (y), 12.3 μm (z)

Corresponding bead : Not found

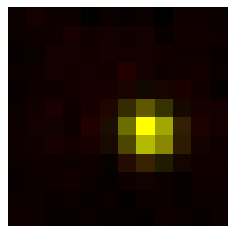
FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	474 nm	494 nm	270 nm
z	2.95 μm	2.96 μm	1.3 μm
Asymmetry	0.903		
Theta	-32.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 362.740$ (brightness)

$B = 119.605$ (background)

$a = 0.636$ px

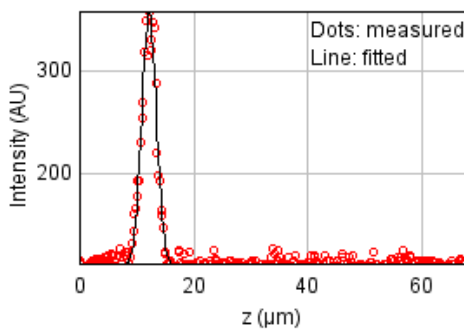
$b = -0.061$ px

$c = 0.694$ px

$x_c = 7.186$ px

$y_c = 6.283$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18741.7672

Standard deviation: 7.81333

$R^2: 0.96852$

Parameters:

$a = 110.98936$

$b = 358.20019$

$c = 12.25609$

$d = 1.25336$

Bead 622 (Rejected)

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

Coordinates : -37.0 μm (x), 15.5 μm (y), 9.17 μm (z)

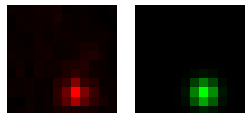
Corresponding bead : Not found

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

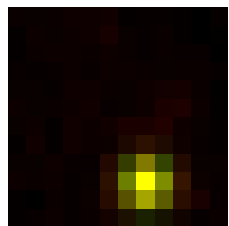
FWHM	Non corrected	Corrected	Theoretical
min	455 nm	474 nm	270 nm
max	476 nm	496 nm	270 nm
z	4.11 μm	4.12 μm	1.3 μm
Asymmetry	0.956		
Theta	89.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 370.292 (brightness)

B = 123.923 (background)

a = 0.648 px

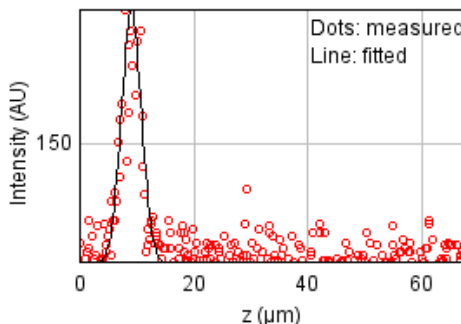
b = 0.001 px

c = 0.592 px

xc = 7.040 px

yc = 9.129 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19989.7491

Standard deviation: 8.06927

R^2 : 0.80458

Parameters:

a = 112.36270

b = 192.64666

c = 9.16869

d = 1.74399

Bead 623

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

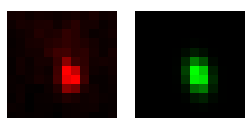
Coordinates : 54.9 μm (x), 14.1 μm (y), 12.4 μm (z)

Corresponding bead : Not found

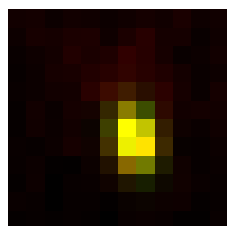
FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	606 nm	631 nm	270 nm
z	2.65 μm	2.66 μm	1.3 μm
Asymmetry	0.657		
Theta	-77.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 436.604$ (brightness)

$B = 124.907$ (background)

$a = 0.823$ px

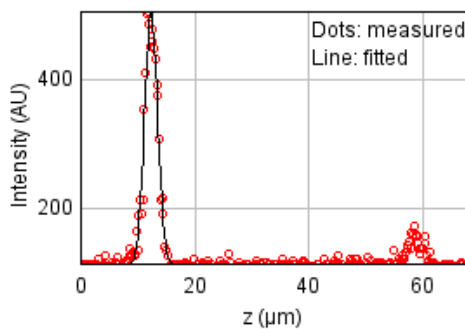
$b = -0.104$ px

$c = 0.389$ px

$x_c = 6.407$ px

$y_c = 6.533$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 63929.6988

Standard deviation: 14.43053

$R^2: 0.95282$

Parameters:

$a = 115.48133$

$b = 504.63440$

$c = 12.42514$

$d = 1.12423$

Bead 624 (Rejected)

Date : Mon Oct 17 13:51:20 PDT 2022

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

Frame size : 12 pixels

Coordinates : -164 μm (x), -12.7 μm (y), 11.6 μm (z)

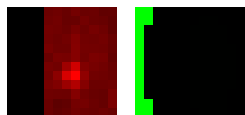
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

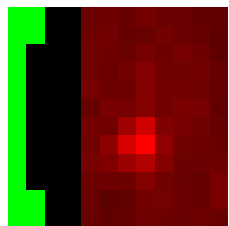
FWHM	Non corrected	Corrected	Theoretical
min	1.96 μm	2.04 μm	270 nm
max	4.77 μm	4.97 μm	270 nm
z	2.8 μm	2.81 μm	1.3 μm
Asymmetry	0.41		
Theta	-89.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.798$



Parameters:

A = 205.874 (brightness)

B = -39.508 (background)

a = 0.035 px

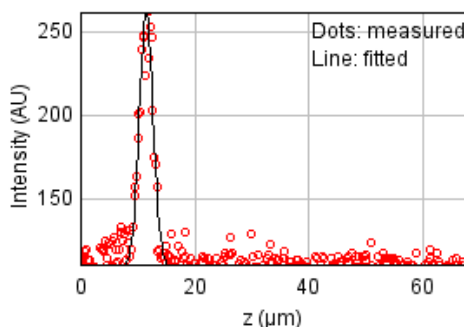
b = -0.000 px

c = 0.006 px

xc = 7.724 px

yc = 6.028 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19529.3297

Standard deviation: 7.97580

R^2 : 0.91247

Parameters:

a = 110.82645

b = 261.30742

c = 11.58145

d = 1.19008

Bead 625

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

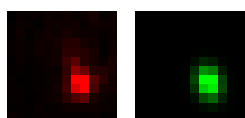
Coordinates : 54.2 μm (x), -39.1 μm (y), 12.5 μm (z)

Corresponding bead : Not found

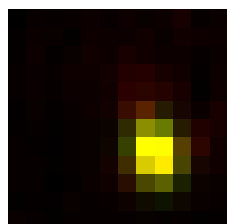
FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	589 nm	613 nm	270 nm
z	2.47 μm	2.48 μm	1.3 μm
Asymmetry	0.742		
Theta	-76.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 576.109 (brightness)

B = 124.653 (background)

a = 0.686 px

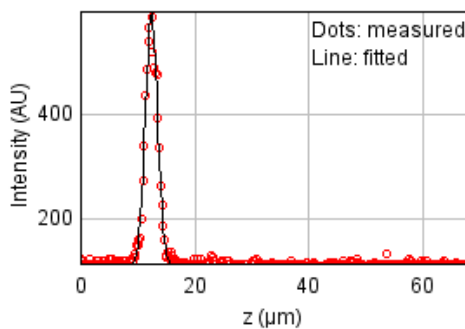
b = -0.073 px

c = 0.405 px

$x_c = 7.532$ px

$y_c = 7.319$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 30227.0360

Standard deviation: 9.92267

R^2 : 0.98402

Parameters:

a = 113.91347

b = 597.05573

c = 12.48273

d = 1.04738

Bead 626

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

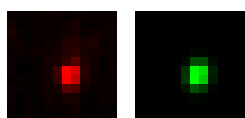
Coordinates : -126 μm (x), -56.8 μm (y), 12.3 μm (z)

Corresponding bead : Not found

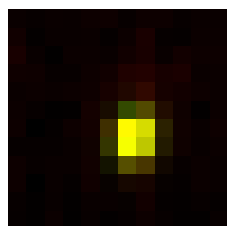
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	478 nm	498 nm	270 nm
z	2.72 μm	2.73 μm	1.3 μm
Asymmetry	0.804		
Theta	78.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 465.564$ (brightness)

$B = 118.284$ (background)

$a = 0.896$ px

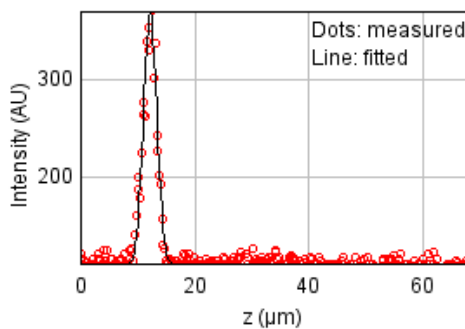
$b = 0.062$ px

$c = 0.600$ px

$x_c = 6.398$ px

$y_c = 6.477$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23345.5134

Standard deviation: 8.72032

$R^2: 0.96111$

Parameters:

$a = 112.32561$

$b = 369.10108$

$c = 12.26995$

$d = 1.15589$

Bead 627

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

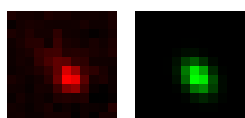
Coordinates : 142 μm (x), -68.9 μm (y), 11.8 μm (z)

Corresponding bead : Not found

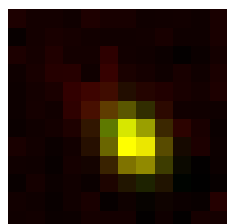
FWHM	Non corrected	Corrected	Theoretical
min	466 nm	485 nm	270 nm
max	634 nm	660 nm	270 nm
z	2.66 μm	2.67 μm	1.3 μm
Asymmetry	0.735		
Theta	-52.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 191.238 (brightness)

B = 115.935 (background)

a = 0.511 px

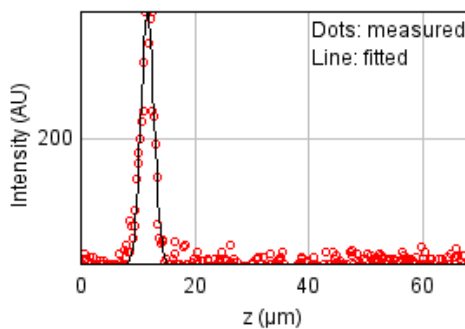
b = -0.138 px

c = 0.442 px

xc = 6.325 px

yc = 6.711 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15853.9447

Standard deviation: 7.18620

R^2 : 0.94744

Parameters:

a = 110.09619

b = 292.78273

c = 11.80840

d = 1.12966

Bead 628

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

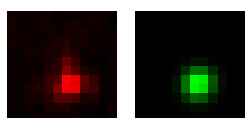
Coordinates : 6.91 μm (x), -71.0 μm (y), 12.0 μm (z)

Corresponding bead : Not found

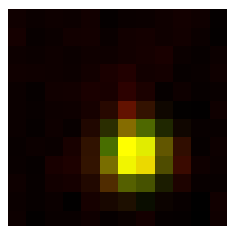
FWHM	Non corrected	Corrected	Theoretical
min	532 nm	554 nm	270 nm
max	557 nm	580 nm	270 nm
z	2.17 μm	2.18 μm	1.3 μm
Asymmetry	0.956		
Theta	54.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 358.824$ (brightness)

$B = 121.525$ (background)

$a = 0.460$ px

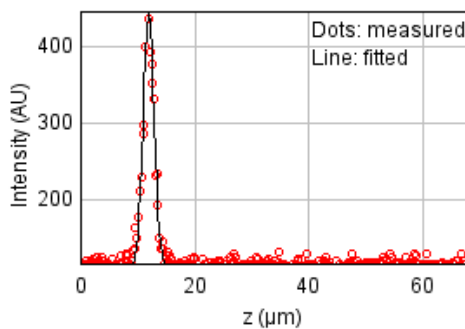
$b = 0.019$ px

$c = 0.447$ px

$x_c = 6.393$ px

$y_c = 7.437$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24648.9410

Standard deviation: 8.96045

$R^2: 0.96931$

Parameters:

$a = 114.73389$

$b = 446.36517$

$c = 12.00691$

$d = 0.92337$

Bead 629

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

Coordinates : -50.4 μm (x), -96.4 μm (y), 41.4 μm (z)

Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	459 nm	478 nm	270 nm
z	2.08 μm	2.09 μm	1.3 μm
Asymmetry	0.874		
Theta	-87.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.979$



Parameters:

$A = 810.172$ (brightness)

$B = 121.083$ (background)

$a = 0.835$ px

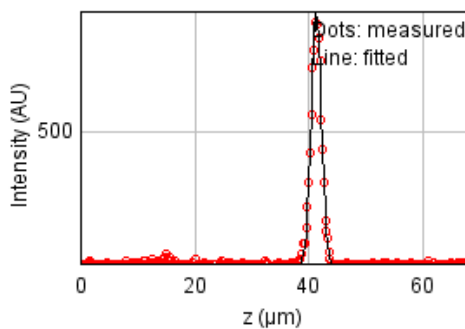
$b = -0.008$ px

$c = 0.638$ px

$x_c = 10.012$ px

$y_c = 9.642$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23687.7894

Standard deviation: 8.78402

$R^2 = 0.99369$

Parameters:

$a = 113.94248$

$b = 854.77874$

$c = 41.36108$

$d = 0.88470$

Bead 630 (Rejected)

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

Coordinates : 1.7 μm (x), 90.0 μm (y), 9.85 μm (z)

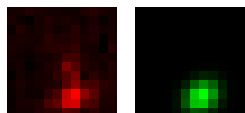
Corresponding bead : Not found

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

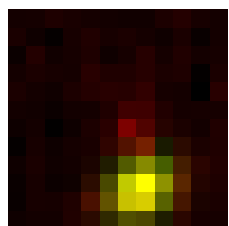
FWHM	Non corrected	Corrected	Theoretical
min	521 nm	542 nm	270 nm
max	650 nm	677 nm	270 nm
z	3.26 μm	3.28 μm	1.3 μm
Asymmetry	0.8		
Theta	40.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.828$



Parameters:

A = 183.254 (brightness)

B = 121.085 (background)

a = 0.392 px

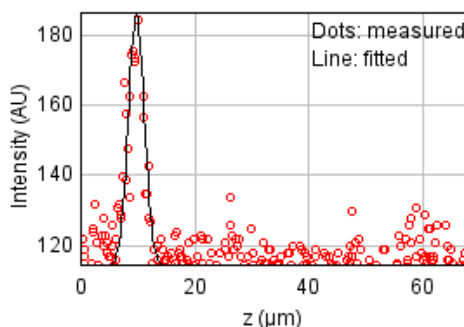
b = 0.088 px

c = 0.421 px

xc = 6.729 px

yc = 9.293 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15353.5600

Standard deviation: 7.07189

R^2 : 0.77903

Parameters:

a = 114.32668

b = 186.63656

c = 9.85064

d = 1.38537

Bead 631

Date : Mon Oct 17 13:51:21 PDT 2022

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

Frame size : 12 pixels

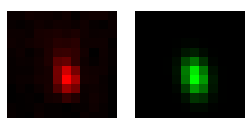
Coordinates : -18.7 μm (x), 80.9 μm (y), 12.4 μm (z)

Corresponding bead : Not found

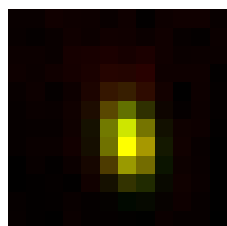
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	463 nm	270 nm
max	687 nm	715 nm	270 nm
z	2.19 μm	2.2 μm	1.3 μm
Asymmetry	0.648		
Theta	-77.5°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 369.939$ (brightness)

$B = 122.787$ (background)

$a = 0.660$ px

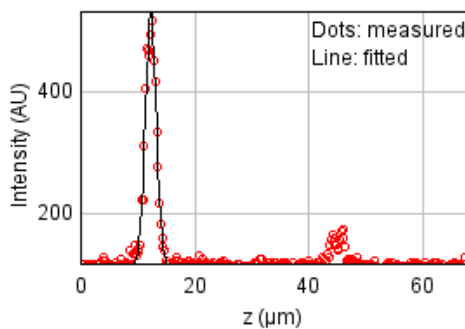
$b = -0.083$ px

$c = 0.303$ px

$x_c = 6.065$ px

$y_c = 6.687$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 47122.7577

Standard deviation: 12.38928

$R^2: 0.96309$

Parameters:

$a = 116.90628$

$b = 531.79100$

$c = 12.37586$

$d = 0.93204$

Bead 632

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

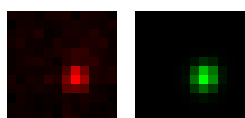
Coordinates : 144 um (x), 79.4 um (y), 11.7 um (z)

Corresponding bead : Not found

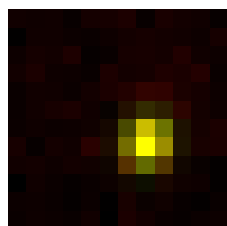
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.28 um	2.29 um	1.3 um
Asymmetry	0.888		
Theta	73.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 248.130 (brightness)

B = 117.424 (background)

a = 0.722 px

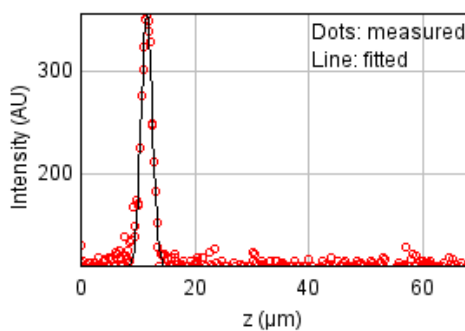
b = 0.043 px

c = 0.592 px

xc = 7.106 px

yc = 6.747 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19553.7990

Standard deviation: 7.98080

R^2 : 0.95765

Parameters:

a = 111.39844

b = 355.78653

c = 11.68073

d = 0.96796

Bead 633

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

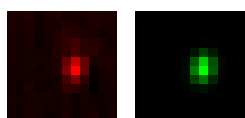
Coordinates : 109 μm (x), 67.7 μm (y), 12.7 μm (z)

Corresponding bead : Not found

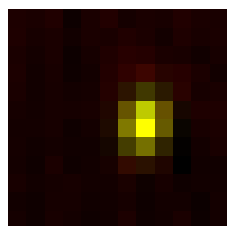
FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	510 nm	531 nm	270 nm
z	2.04 μm	2.05 μm	1.3 μm
Asymmetry	0.756		
Theta	80.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 382.817 (brightness)

B = 118.764 (background)

a = 0.892 px

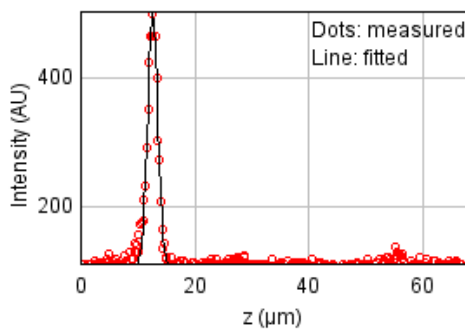
b = 0.065 px

c = 0.527 px

xc = 6.937 px

yc = 5.731 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28364.3794

Standard deviation: 9.61208

R^2 : 0.97277

Parameters:

a = 112.80121

b = 502.39402

c = 12.70221

d = 0.86805

Bead 634

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

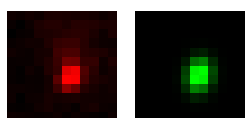
Coordinates : 52.2 μm (x), 49.7 μm (y), 12.5 μm (z)

Corresponding bead : Not found

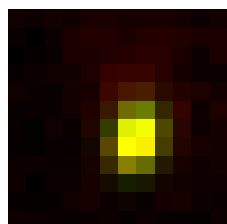
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	465 nm	270 nm
max	601 nm	626 nm	270 nm
z	2.37 μm	2.38 μm	1.3 μm
Asymmetry	0.742		
Theta	79.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 321.958 (brightness)

B = 123.142 (background)

a = 0.663 px

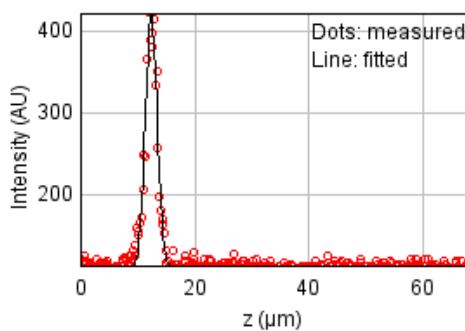
b = 0.053 px

c = 0.381 px

xc = 6.495 px

yc = 6.505 px

Z profile & fitting parameters:



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

Sum of residuals squared: 27610.1020

Standard deviation: 9.48342

R^2 : 0.96385

Parameters:

a = 113.39169

b = 422.87537

c = 12.45712

d = 1.00714

Bead 635

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

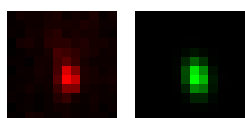
Coordinates : 66.7 μm (x), 42.6 μm (y), 12.4 μm (z)

Corresponding bead : Not found

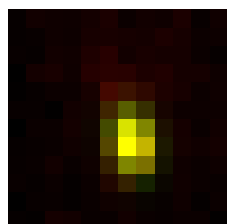
FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	607 nm	632 nm	270 nm
z	2.55 μm	2.56 μm	1.3 μm
Asymmetry	0.66		
Theta	-79.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 407.383 (brightness)

B = 122.621 (background)

a = 0.818 px

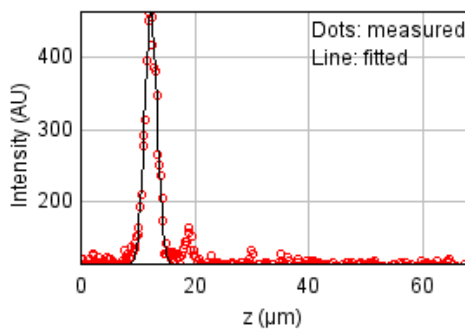
b = -0.086 px

c = 0.380 px

xc = 6.255 px

yc = 6.712 px

Z profile & fitting parameters:



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

Sum of residuals squared: 35625.2684

Standard deviation: 10.77234

R^2 : 0.96584

Parameters:

a = 114.46996

b = 464.56805

c = 12.39088

d = 1.08130

Bead 636

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

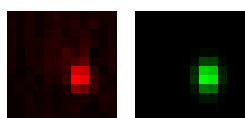
Coordinates : 109 um (x), 11.6 um (y), 12.1 um (z)

Corresponding bead : Not found

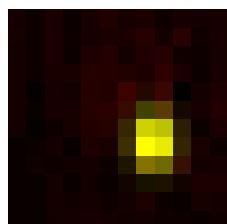
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	521 nm	543 nm	270 nm
z	2.58 um	2.59 um	1.3 um
Asymmetry	0.743		
Theta	89.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 323.378 (brightness)

B = 118.176 (background)

a = 0.897 px

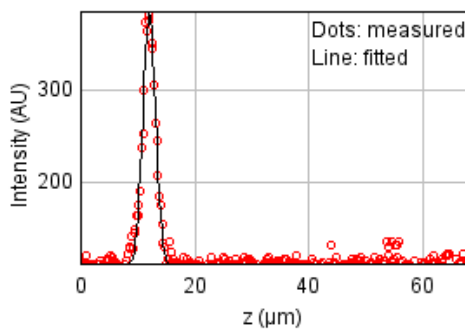
b = 0.001 px

c = 0.494 px

xc = 7.452 px

yc = 6.691 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20257.9999

Standard deviation: 8.12324

R^2 : 0.96767

Parameters:

a = 112.99919

b = 383.07612

c = 12.10445

d = 1.09459

Bead 637

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

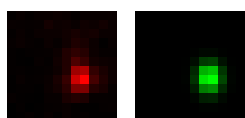
Coordinates : 18.4 μm (x), 7.19 μm (y), 13.0 μm (z)

Corresponding bead : Not found

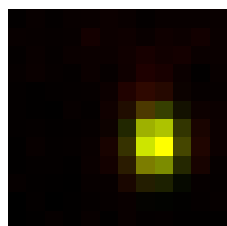
FWHM	Non corrected	Corrected	Theoretical
min	438 nm	456 nm	270 nm
max	556 nm	580 nm	270 nm
z	1.98 μm	1.99 μm	1.3 μm
Asymmetry	0.787		
Theta	-89.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 658.265 (brightness)

B = 127.973 (background)

a = 0.699 px

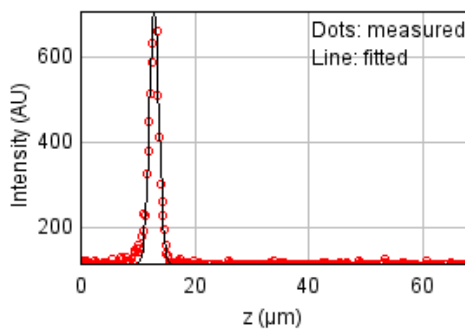
b = -0.005 px

c = 0.433 px

$x_c = 7.577$ px

$y_c = 6.804$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 51798.5118

Standard deviation: 12.98941

R^2 : 0.97766

Parameters:

a = 115.31183

b = 706.67443

c = 12.95909

d = 0.84166

Bead 638

Date : Mon Oct 17 13:51:22 PDT 2022

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

Frame size : 12 pixels

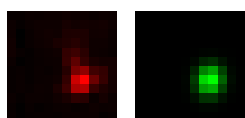
Coordinates : 59.1 μm (x), -39.1 μm (y), 12.9 μm (z)

Corresponding bead : Not found

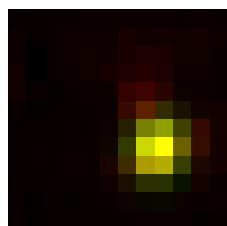
FWHM	Non corrected	Corrected	Theoretical
min	483 nm	503 nm	270 nm
max	565 nm	588 nm	270 nm
z	1.9 μm	1.9 μm	1.3 μm
Asymmetry	0.856		
Theta	78.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 522.595 (brightness)

B = 125.013 (background)

a = 0.569 px

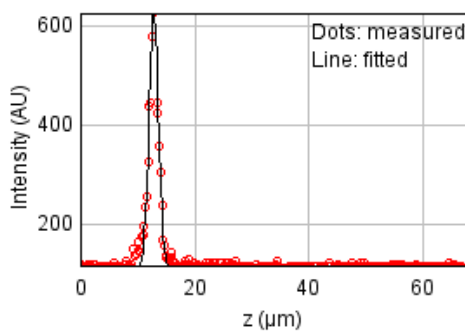
b = 0.029 px

c = 0.427 px

xc = 7.646 px

yc = 7.064 px

Z profile & fitting parameters:



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

Sum of residuals squared: 45067.1263

Standard deviation: 12.11604

R^2 : 0.97326

Parameters:

a = 114.88356

b = 628.76625

c = 12.88474

d = 0.80475

Bead 639 (Rejected)

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

Coordinates : -124 μm (x), -68.1 μm (y), 9.28 μm (z)

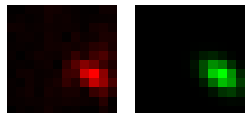
Corresponding bead : Not found

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

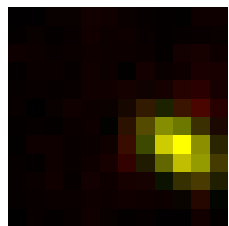
FWHM	Non corrected	Corrected	Theoretical
min	451 nm	469 nm	270 nm
max	714 nm	744 nm	270 nm
z	3.53 μm	3.55 μm	1.3 μm
Asymmetry	0.631		
Theta	-35.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.929$



Parameters:

A = 320.285 (brightness)

B = 119.544 (background)

a = 0.397 px

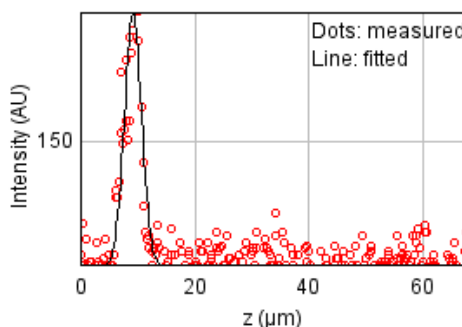
b = -0.188 px

c = 0.527 px

xc = 8.857 px

yc = 7.160 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14406.0778

Standard deviation: 6.85021

R^2 : 0.82721

Parameters:

a = 111.51887

b = 190.20341

c = 9.27835

d = 1.50047

Bead 640

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

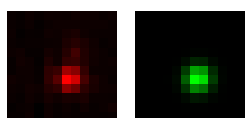
Coordinates : -68.8 μm (x), -81.5 μm (y), 12.4 μm (z)

Corresponding bead : Not found

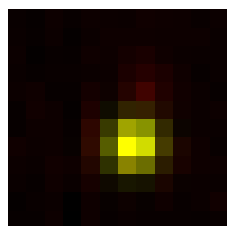
FWHM	Non corrected	Corrected	Theoretical
min	477 nm	496 nm	270 nm
max	496 nm	517 nm	270 nm
z	2.25 μm	2.26 μm	1.3 μm
Asymmetry	0.96		
Theta	63.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 541.220$ (brightness)

$B = 124.910$ (background)

$a = 0.582$ px

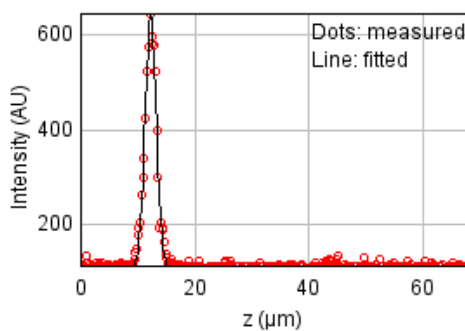
$b = 0.018$ px

$c = 0.553$ px

$x_c = 6.374$ px

$y_c = 6.885$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 33715.8207

Standard deviation: 10.47967

$R^2: 0.98392$

Parameters:

$a = 113.90041$

$b = 645.18851$

$c = 12.36065$

$d = 0.95512$

Bead 641

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

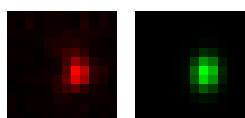
Coordinates : 73.3 μm (x), -90.4 μm (y), 13.0 μm (z)

Corresponding bead : Not found

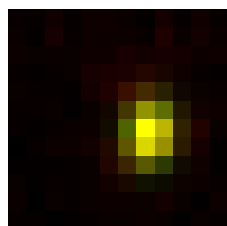
FWHM	Non corrected	Corrected	Theoretical
min	453 nm	471 nm	270 nm
max	611 nm	637 nm	270 nm
z	2.42 μm	2.43 μm	1.3 μm
Asymmetry	0.74		
Theta	85.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 410.273$ (brightness)

$B = 123.304$ (background)

$a = 0.654$ px

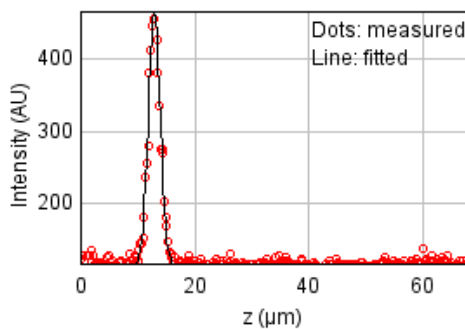
$b = 0.021$ px

$c = 0.361$ px

$x_c = 7.222$ px

$y_c = 6.241$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20080.8698

Standard deviation: 8.08764

$R^2: 0.97969$

Parameters:

$a = 114.77092$

$b = 466.04088$

$c = 12.97822$

$d = 1.02980$

Bead 642

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

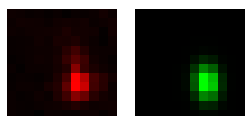
Coordinates : 27.1 μm (x), -93.7 μm (y), 12.3 μm (z)

Corresponding bead : Not found

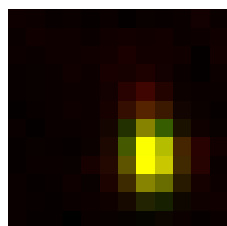
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	463 nm	270 nm
max	638 nm	665 nm	270 nm
z	2.33 μm	2.34 μm	1.3 μm
Asymmetry	0.696		
Theta	-85.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 423.196 (brightness)

B = 119.441 (background)

a = 0.677 px

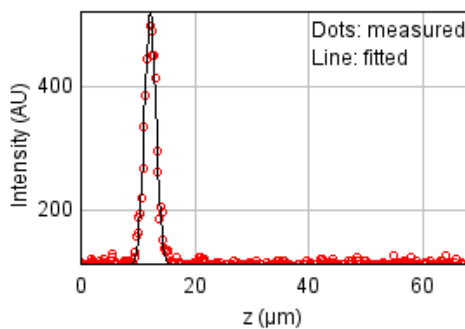
b = -0.026 px

c = 0.331 px

xc = 7.301 px

yc = 7.527 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23056.5636

Standard deviation: 8.66619

R^2 : 0.98218

Parameters:

a = 113.32195

b = 523.10338

c = 12.28166

d = 0.99077

Bead 643

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

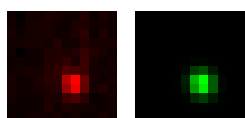
Coordinates : -124 μm (x), 39.6 μm (y), 12.6 μm (z)

Corresponding bead : Not found

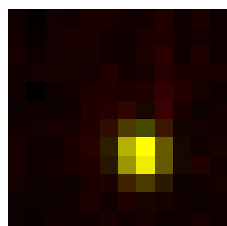
FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	465 nm	484 nm	270 nm
z	2.38 μm	2.39 μm	1.3 μm
Asymmetry	0.919		
Theta	-62.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 281.561 (brightness)

B = 115.823 (background)

a = 0.712 px

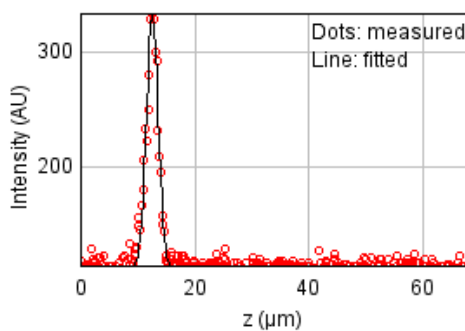
b = -0.046 px

c = 0.646 px

xc = 6.781 px

yc = 7.425 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16674.4948

Standard deviation: 7.36982

R^2 : 0.95822

Parameters:

a = 112.53562

b = 334.98671

c = 12.64194

d = 1.01281

Bead 644

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

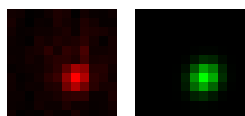
Coordinates : -119 μm (x), 16.6 μm (y), 9.05 μm (z)

Corresponding bead : Not found

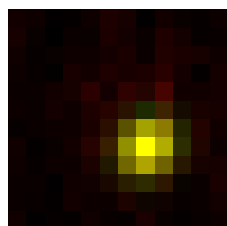
FWHM	Non corrected	Corrected	Theoretical
min	507 nm	529 nm	270 nm
max	575 nm	599 nm	270 nm
z	1.9 μm	1.9 μm	1.3 μm
Asymmetry	0.882		
Theta	53.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 232.584$ (brightness)

$B = 120.908$ (background)

$a = 0.480$ px

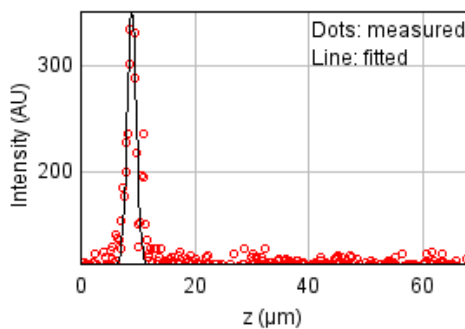
$b = 0.055$ px

$c = 0.446$ px

$x_c = 7.094$ px

$y_c = 6.993$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 54127.6825

Standard deviation: 13.27824

$R^2: 0.86570$

Parameters:

$a = 113.10539$

$b = 350.11168$

$c = 9.05000$

$d = 0.80490$

Bead 645

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

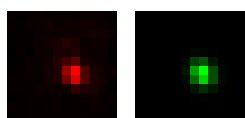
Coordinates : -106 μm (x), -25.9 μm (y), 13.2 μm (z)

Corresponding bead : Not found

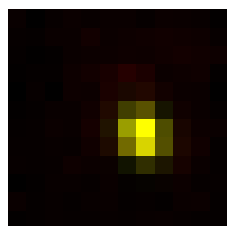
FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	466 nm	485 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.833		
Theta	-63.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 598.218 (brightness)

B = 121.481 (background)

a = 0.839 px

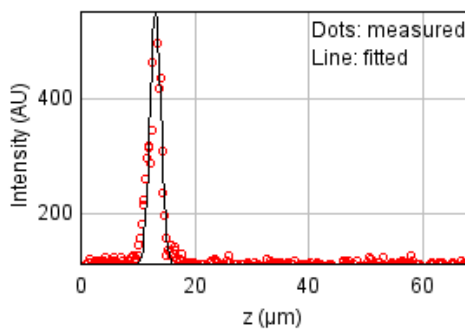
b = -0.108 px

c = 0.671 px

xc = 6.828 px

yc = 6.332 px

Z profile & fitting parameters:



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

Sum of residuals squared: 92213.4330

Standard deviation: 17.33117

R^2 : 0.93789

Parameters:

a = 113.72350

b = 552.08411

c = 13.19282

d = 0.94626

Bead 646

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

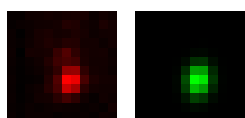
Coordinates : 64.6 μm (x), -40.2 μm (y), 13.0 μm (z)

Corresponding bead : Not found

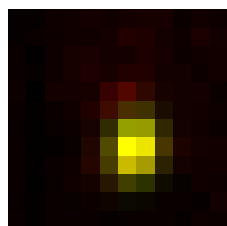
FWHM	Non corrected	Corrected	Theoretical
min	447 nm	466 nm	270 nm
max	592 nm	617 nm	270 nm
z	2.27 μm	2.28 μm	1.3 μm
Asymmetry	0.756		
Theta	82.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 476.937$ (brightness)

$B = 124.764$ (background)

$a = 0.666$ px

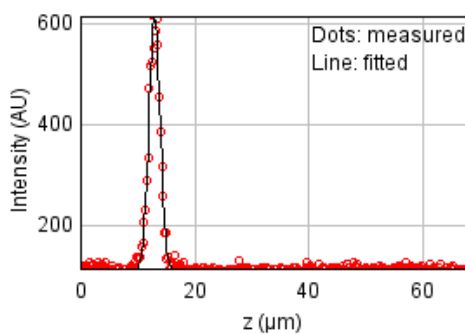
$b = 0.038$ px

$c = 0.388$ px

$x_c = 6.414$ px

$y_c = 7.061$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 27522.2172

Standard deviation: 9.46831

$R^2: 0.98517$

Parameters:

$a = 115.19905$

$b = 612.79291$

$c = 13.02551$

$d = 0.96547$

Bead 647

Date : Mon Oct 17 13:51:23 PDT 2022

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

Frame size : 12 pixels

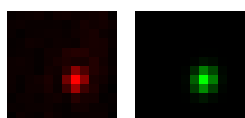
Coordinates : -151 μm (x), -42.4 μm (y), 12.9 μm (z)

Corresponding bead : Not found

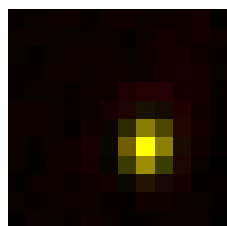
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	408 nm	270 nm
max	458 nm	477 nm	270 nm
z	2.28 μm	2.29 μm	1.3 μm
Asymmetry	0.854		
Theta	73.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 407.073$ (brightness)

$B = 117.927$ (background)

$a = 0.858$ px

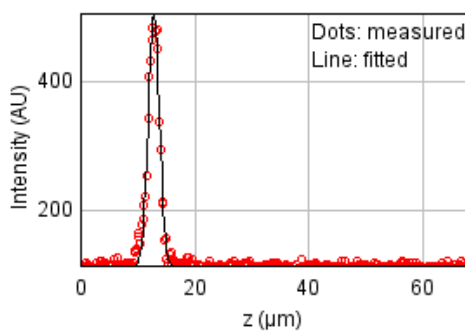
$b = 0.064$ px

$c = 0.657$ px

$x_c = 7.087$ px

$y_c = 7.037$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 24367.8439

Standard deviation: 8.90921

$R^2: 0.97949$

Parameters:

$a = 112.17859$

$b = 508.76097$

$c = 12.90143$

$d = 0.96712$

Bead 648

Date : Mon Oct 17 13:51:24 PDT 2022

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

Frame size : 12 pixels

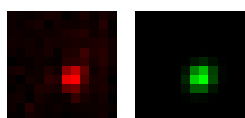
Coordinates : -162 μm (x), -49.1 μm (y), 12.5 μm (z)

Corresponding bead : Not found

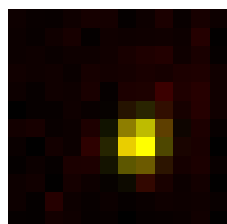
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	470 nm	489 nm	270 nm
z	2.56 μm	2.57 μm	1.3 μm
Asymmetry	0.869		
Theta	54.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 242.591$ (brightness)

$B = 115.571$ (background)

$a = 0.740$ px

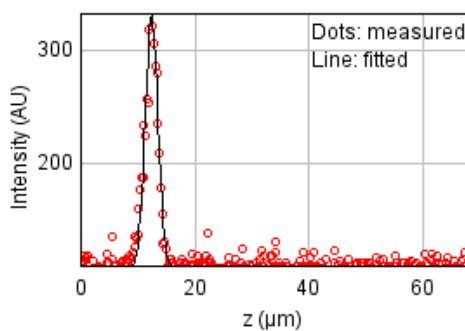
$b = 0.093$ px

$c = 0.674$ px

$x_c = 6.671$ px

$y_c = 6.771$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21040.6625

Standard deviation: 8.27867

$R^2: 0.95044$

Parameters:

$a = 110.58086$

$b = 331.62342$

$c = 12.50893$

$d = 1.08679$

Bead 649

Date : Mon Oct 17 13:51:24 PDT 2022

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

Frame size : 12 pixels

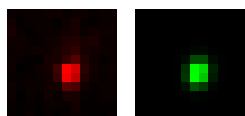
Coordinates : -126 μm (x), -56.8 μm (y), 12.3 μm (z)

Corresponding bead : Not found

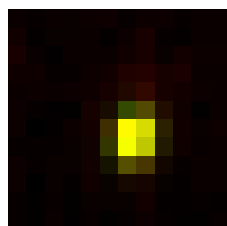
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	478 nm	498 nm	270 nm
z	2.72 μm	2.73 μm	1.3 μm
Asymmetry	0.804		
Theta	78.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 465.564$ (brightness)

$B = 118.284$ (background)

$a = 0.896$ px

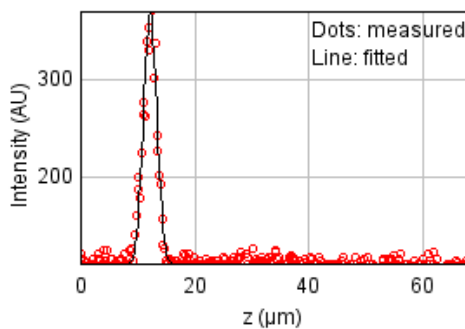
$b = 0.062$ px

$c = 0.600$ px

$x_c = 6.398$ px

$y_c = 6.477$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23345.5134

Standard deviation: 8.72032

$R^2: 0.96111$

Parameters:

$a = 112.32561$

$b = 369.10108$

$c = 12.26995$

$d = 1.15589$

Bead 650

Date : Mon Oct 17 13:51:24 PDT 2022

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

Frame size : 12 pixels

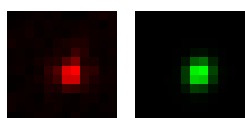
Coordinates : -67.0 μm (x), -66.0 μm (y), 12.9 μm (z)

Corresponding bead : Not found

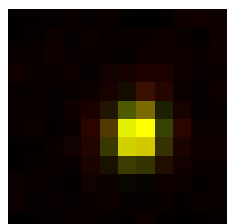
FWHM	Non corrected	Corrected	Theoretical
min	436 nm	454 nm	270 nm
max	500 nm	521 nm	270 nm
z	2.3 μm	2.31 μm	1.3 μm
Asymmetry	0.872		
Theta	71.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 511.895 (brightness)

B = 123.416 (background)

a = 0.689 px

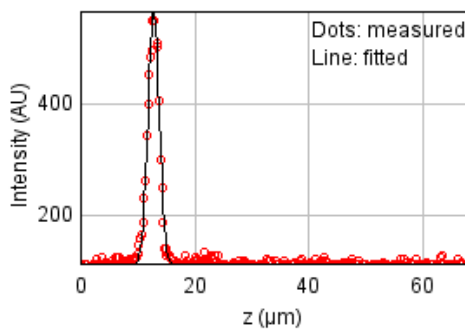
b = 0.052 px

c = 0.555 px

xc = 6.520 px

yc = 6.327 px

Z profile & fitting parameters:



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

Sum of residuals squared: 29056.3512

Standard deviation: 9.72862

R^2 : 0.98164

Parameters:

a = 113.41118

b = 569.11082

c = 12.86703

d = 0.97847

Bead 651

Date : Mon Oct 17 13:51:24 PDT 2022

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

Frame size : 12 pixels

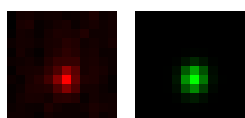
Coordinates : -117 μm (x), -90.1 μm (y), 12.1 μm (z)

Corresponding bead : Not found

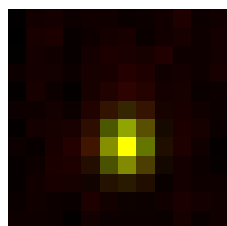
FWHM	Non corrected	Corrected	Theoretical
min	444 nm	462 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.02 μm	2.03 μm	1.3 μm
Asymmetry	0.874		
Theta	81.8°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 244.347$ (brightness)

$B = 119.193$ (background)

$a = 0.678$ px

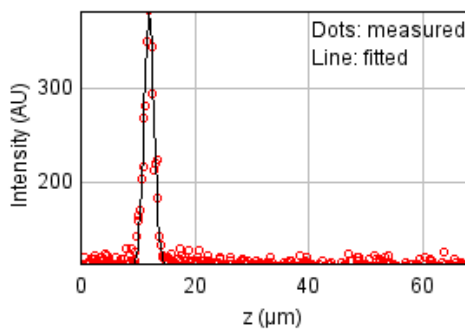
$b = 0.023$ px

$c = 0.524$ px

$x_c = 5.932$ px

$y_c = 6.920$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20612.0429

Standard deviation: 8.19391

$R^2: 0.95934$

Parameters:

$a = 111.87835$

$b = 383.33488$

$c = 12.07596$

$d = 0.85760$

Bead 652 (Rejected)

Date : Mon Oct 17 13:51:24 PDT 2022

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

Frame size : 12 pixels

Coordinates : -96.7 μm (x), -96.2 μm (y), 9.37 μm (z)

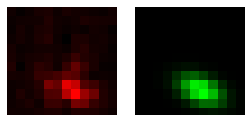
Corresponding bead : Not found

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

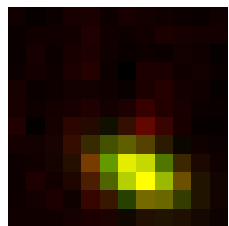
FWHM	Non corrected	Corrected	Theoretical
min	478 nm	498 nm	270 nm
max	828 nm	862 nm	270 nm
z	3.65 μm	3.66 μm	1.3 μm
Asymmetry	0.578		
Theta	-24.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 219.605 (brightness)

B = 121.073 (background)

a = 0.261 px

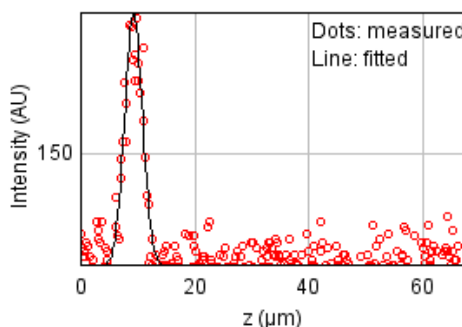
b = -0.145 px

c = 0.522 px

xc = 6.640 px

yc = 8.554 px

Z profile & fitting parameters:



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

Sum of residuals squared: 16434.4226

Standard deviation: 7.31658

R^2 : 0.83711

Parameters:

a = 111.93551

b = 197.73765

c = 9.37045

d = 1.54956

Bead 653

Date : Mon Oct 17 13:51:24 PDT 2022

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

Frame size : 12 pixels

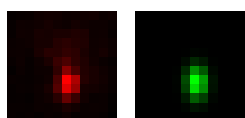
Coordinates : 30.2 μm (x), 72.6 μm (y), 13.5 μm (z)

Corresponding bead : Not found

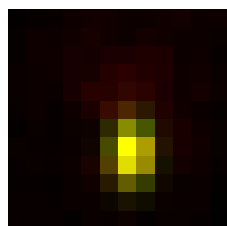
FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	606 nm	632 nm	270 nm
z	2.23 μm	2.24 μm	1.3 μm
Asymmetry	0.651		
Theta	-89.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 566.928 (brightness)

B = 126.700 (background)

a = 0.861 px

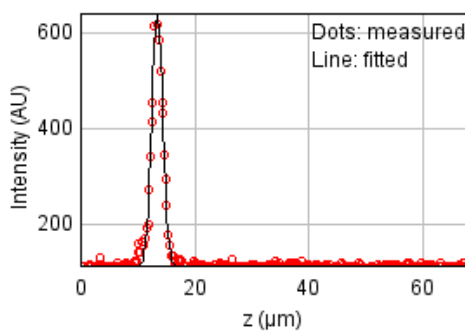
b = -0.007 px

c = 0.365 px

xc = 6.223 px

yc = 7.309 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30212.8955

Standard deviation: 9.92035

R^2 : 0.98531

Parameters:

a = 114.30760

b = 642.49199

c = 13.50332

d = 0.94870

Bead 654

Date : Mon Oct 17 13:51:25 PDT 2022

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

Frame size : 12 pixels

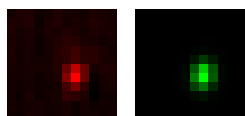
Coordinates : 109 um (x), 67.7 um (y), 12.7 um (z)

Corresponding bead : Not found

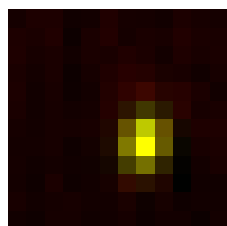
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.757		
Theta	80.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 382.873 (brightness)

B = 119.389 (background)

a = 0.896 px

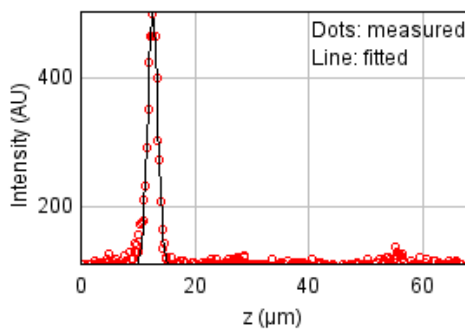
b = 0.065 px

c = 0.532 px

xc = 6.937 px

yc = 6.731 px

Z profile & fitting parameters:



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

Sum of residuals squared: 28364.3794

Standard deviation: 9.61208

R^2 : 0.97277

Parameters:

a = 112.80121

b = 502.39402

c = 12.70221

d = 0.86805

Bead 655

Date : Mon Oct 17 13:51:25 PDT 2022

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

Frame size : 12 pixels

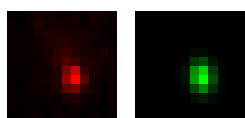
Coordinates : 32.3 μm (x), 67.3 μm (y), 12.9 μm (z)

Corresponding bead : Not found

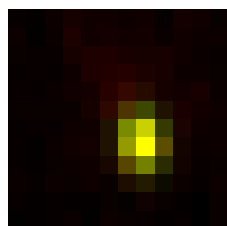
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	554 nm	577 nm	270 nm
z	1.91 μm	1.92 μm	1.3 μm
Asymmetry	0.717		
Theta	-83.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 390.171 (brightness)

B = 123.120 (background)

a = 0.846 px

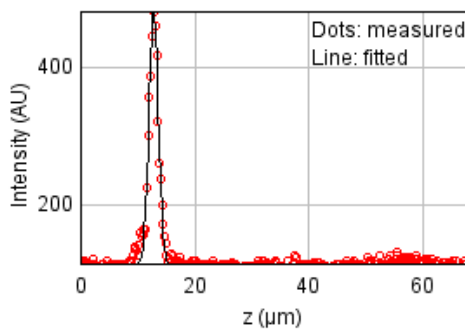
b = -0.050 px

c = 0.444 px

xc = 6.779 px

yc = 6.698 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21443.8330

Standard deviation: 8.35761

R^2 : 0.97576

Parameters:

a = 113.76589

b = 484.87354

c = 12.86473

d = 0.81264

Bead 656

Date : Mon Oct 17 13:51:25 PDT 2022

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

Frame size : 12 pixels

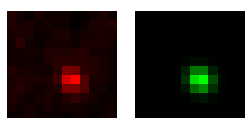
Coordinates : -153 μm (x), 4.73 μm (y), 12.8 μm (z)

Corresponding bead : Not found

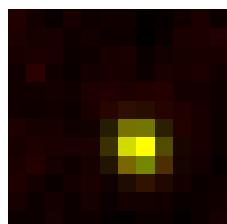
FWHM	Non corrected	Corrected	Theoretical
min	422 nm	440 nm	270 nm
max	463 nm	482 nm	270 nm
z	2.4 μm	2.41 μm	1.3 μm
Asymmetry	0.912		
Theta	-40.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 257.184$ (brightness)

$B = 118.882$ (background)

$a = 0.680$ px

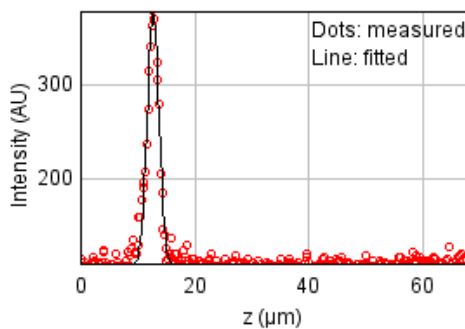
$b = -0.063$ px

$c = 0.700$ px

$x_c = 6.615$ px

$y_c = 7.015$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21790.4751

Standard deviation: 8.42489

$R^2: 0.96172$

Parameters:

$a = 110.88089$

$b = 376.33535$

$c = 12.77791$

$d = 1.01857$

Bead 657

Date : Mon Oct 17 13:51:25 PDT 2022

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

Frame size : 12 pixels

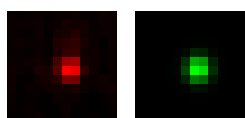
Coordinates : -70.3 μm (x), -514 nm (y), 13.4 μm (z)

Corresponding bead : Not found

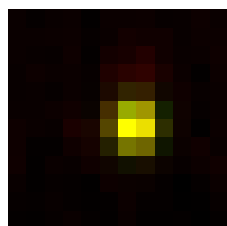
FWHM	Non corrected	Corrected	Theoretical
min	433 nm	451 nm	270 nm
max	476 nm	496 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.909		
Theta	87.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 497.158$ (brightness)

$B = 120.909$ (background)

$a = 0.715$ px

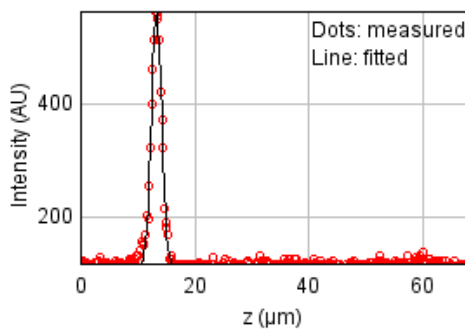
$b = 0.005$ px

$c = 0.591$ px

$x_c = 6.406$ px

$y_c = 5.837$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21448.4183

Standard deviation: 8.35850

$R^2: 0.98468$

Parameters:

$a = 114.30376$

$b = 567.32670$

$c = 13.37828$

$d = 0.87384$

Bead 658 (Rejected)

Date : Mon Oct 17 13:51:25 PDT 2022

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

Frame size : 12 pixels

Coordinates : -52.6 μm (x), -5.06 μm (y), 9.09 μm (z)

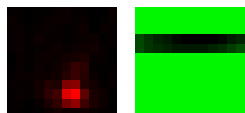
Corresponding bead : Not found

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

FWHM	Non corrected	Corrected	Theoretical
min	129 nm	134 nm	270 nm
max	3.97 μm	4.13 μm	270 nm
z	4.06 μm	4.08 μm	1.3 μm
Asymmetry	0.033		
Theta	0.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.051$



Parameters:

A = -199.773 (brightness)

B = 152.978 (background)

a = -0.009 px

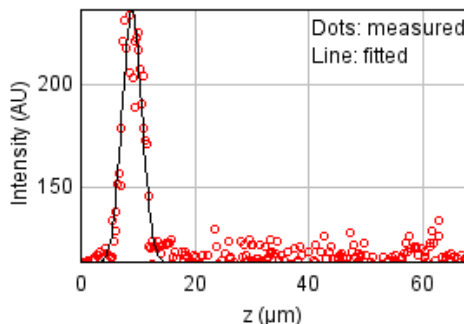
b = 0.010 px

c = 8.053 px

xc = 5.920 px

yc = 3.494 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21594.1506

Standard deviation: 8.38685

R^2 : 0.90006

Parameters:

a = 113.10756

b = 237.12342

c = 9.09146

d = 1.72531

Bead 659

Date : Mon Oct 17 13:51:25 PDT 2022

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

Frame size : 12 pixels

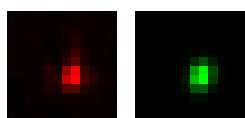
Coordinates : -60.8 μm (x), -83.4 μm (y), 13.0 μm (z)

Corresponding bead : Not found

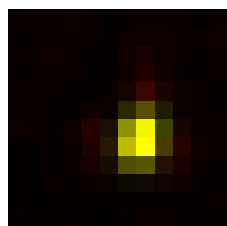
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	505 nm	526 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.76		
Theta	75.1°		

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 = 592.600 (brightness)

B = 121.093 (background)

a = 0.885 px

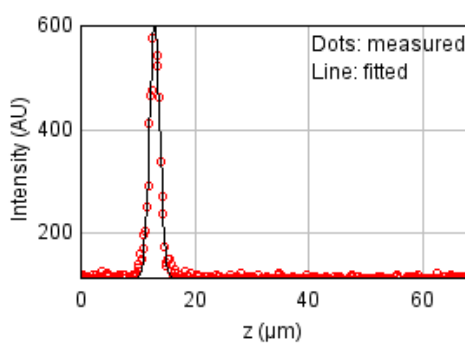
b = 0.095 px

c = 0.551 px

xc = 6.724 px

yc = 6.583 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24707.2360

Standard deviation: 8.97104

R^2 : 0.98511

Parameters:

a = 113.60522

b = 602.73262

c = 13.04742

d = 0.88921

Bead 660

Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

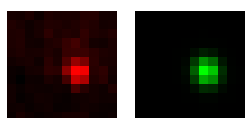
Coordinates : -95.9 μm (x), 83.9 μm (y), 13.2 μm (z)

Corresponding bead : Not found

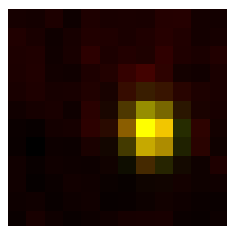
FWHM	Non corrected	Corrected	Theoretical
min	458 nm	477 nm	270 nm
max	520 nm	541 nm	270 nm
z	2.33 μm	2.34 μm	1.3 μm
Asymmetry	0.882		
Theta	-76.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 263.695 (brightness)

B = 121.464 (background)

a = 0.631 px

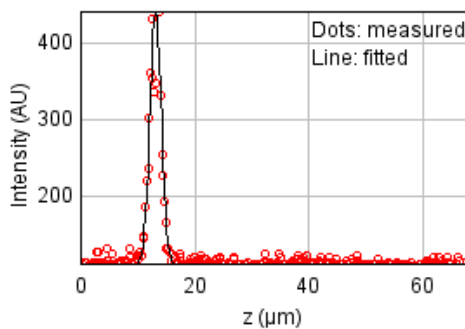
b = -0.033 px

c = 0.505 px

$x_c = 7.304$ px

$y_c = 6.106$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 50593.9617

Standard deviation: 12.83749

R^2 : 0.94119

Parameters:

a = 112.54269

b = 439.91729

c = 13.22248

d = 0.98896

Bead 661

Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

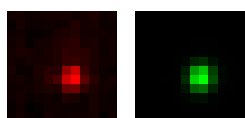
Coordinates : -85.9 μm (x), 31.8 μm (y), 13.0 μm (z)

Corresponding bead : Not found

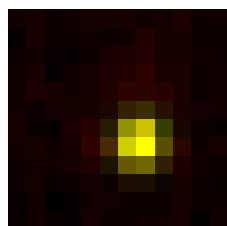
FWHM	Non corrected	Corrected	Theoretical
min	436 nm	454 nm	270 nm
max	480 nm	500 nm	270 nm
z	2.47 μm	2.48 μm	1.3 μm
Asymmetry	0.908		
Theta	76.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 359.856 (brightness)

B = 121.472 (background)

a = 0.700 px

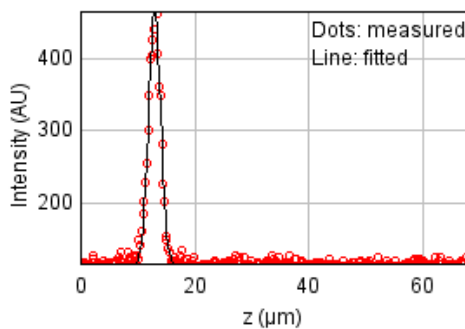
b = 0.028 px

c = 0.590 px

xc = 6.660 px

yc = 6.753 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21006.4455

Standard deviation: 8.27193

R^2 : 0.97932

Parameters:

a = 113.81607

b = 466.99478

c = 13.03522

d = 1.04712

Bead 662 (Rejected)

Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

Coordinates : 113 um (x), 16.1 um (y), 12.9 um (z)

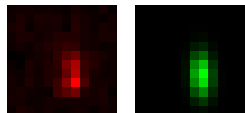
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

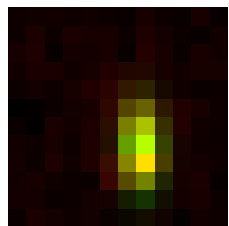
FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	819 nm	853 nm	270 nm
z	2.66 um	2.67 um	1.3 um
Asymmetry	0.469		
Theta	-88.0°		

XY profile & fitting parameters :

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



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



Parameters:

A = 213.242 (brightness)

B = 118.765 (background)

a = 0.909 px

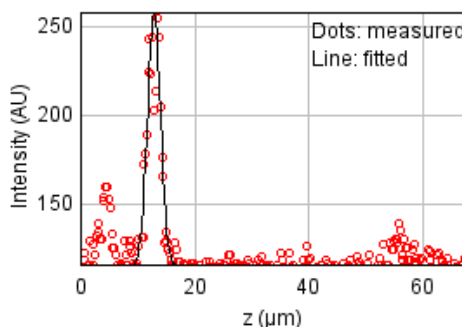
b = -0.025 px

c = 0.201 px

xc = 6.761 px

yc = 7.145 px

Z profile & fitting parameters:



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

Sum of residuals squared: 41507.9538

Standard deviation: 11.62777

R^2 : 0.80862

Parameters:

a = 115.39108

b = 258.45963

c = 12.93410

d = 1.13033

Bead 663

Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

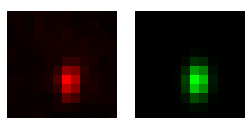
Coordinates : 66.7 μm (x), 5.36 μm (y), 13.0 μm (z)

Corresponding bead : Not found

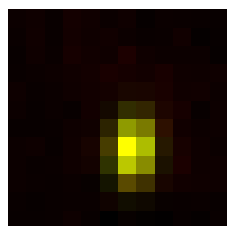
FWHM	Non corrected	Corrected	Theoretical
min	393 nm	410 nm	270 nm
max	602 nm	627 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.653		
Theta	86.6°		

XY profile & fitting parameters :

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



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



Parameters:

A = 429.426 (brightness)

B = 122.662 (background)

a = 0.866 px

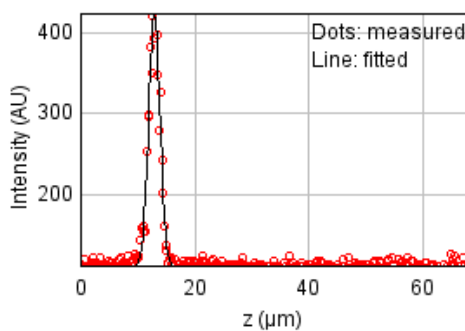
b = 0.030 px

c = 0.372 px

xc = 6.320 px

yc = 7.146 px

Z profile & fitting parameters:



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

Sum of residuals squared: 29904.9345

Standard deviation: 9.86966

R^2 : 0.96024

Parameters:

a = 112.65577

b = 423.03229

c = 12.98589

d = 0.98096

Bead 664 (Rejected)

Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

Coordinates : 162 μm (x), -21.1 μm (y), 12.9 μm (z)

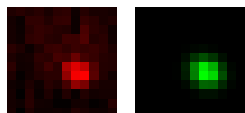
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

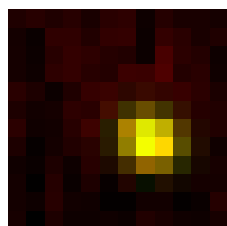
FWHM	Non corrected	Corrected	Theoretical
min	500 nm	521 nm	270 nm
max	581 nm	605 nm	270 nm
z	3.2 μm	3.21 μm	1.3 μm
Asymmetry	0.861		
Theta	-29.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 133.572 (brightness)

B = 113.639 (background)

a = 0.432 px

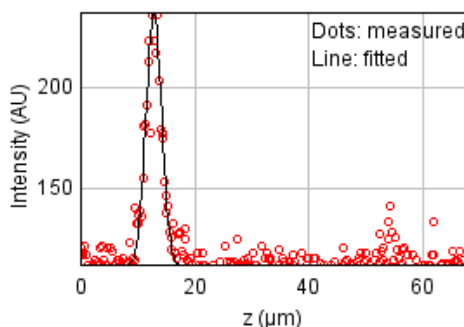
b = -0.060 px

c = 0.502 px

xc = 7.258 px

yc = 6.617 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20078.1161

Standard deviation: 8.08709

R^2 : 0.88847

Parameters:

a = 111.76494

b = 237.24480

c = 12.90778

d = 1.35722

Bead 665

Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

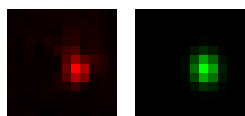
Coordinates : 96.0 μm (x), -23.9 μm (y), 13.3 μm (z)

Corresponding bead : Not found

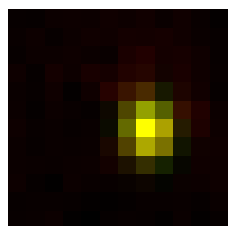
FWHM	Non corrected	Corrected	Theoretical
min	446 nm	465 nm	270 nm
max	556 nm	579 nm	270 nm
z	2.11 μm	2.12 μm	1.3 μm
Asymmetry	0.803		
Theta	-83.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 439.723$ (brightness)

$B = 122.634$ (background)

$a = 0.670$ px

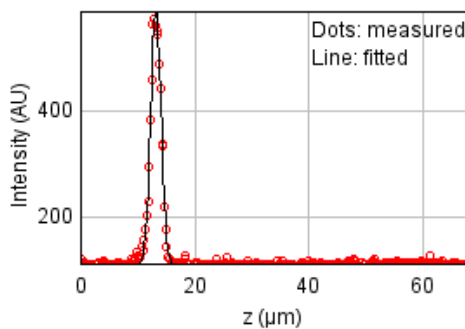
$b = -0.028$ px

$c = 0.437$ px

$x_c = 7.160$ px

$y_c = 6.037$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18503.8630

Standard deviation: 7.76358

$R^2: 0.98831$

Parameters:

$a = 112.53356$

$b = 589.29487$

$c = 13.26008$

$d = 0.89664$

Bead 666

Date : Mon Oct 17 13:51:26 PDT 2022

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

Frame size : 12 pixels

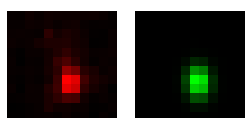
Coordinates : 46.3 μm (x), -35.4 μm (y), 13.3 μm (z)

Corresponding bead : Not found

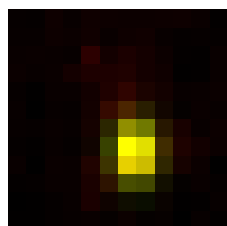
FWHM	Non corrected	Corrected	Theoretical
min	425 nm	443 nm	270 nm
max	585 nm	609 nm	270 nm
z	2.27 μm	2.28 μm	1.3 μm
Asymmetry	0.726		
Theta	-87.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 508.089 (brightness)

B = 124.193 (background)

a = 0.742 px

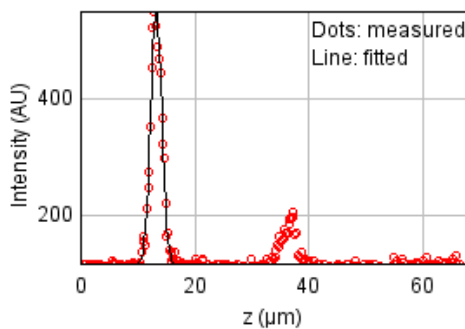
b = -0.016 px

c = 0.393 px

xc = 6.414 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: 87141.3296

Standard deviation: 16.84779

R^2 : 0.94043

Parameters:

a = 118.05836

b = 550.00375

c = 13.32272

d = 0.96374

Bead 667

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

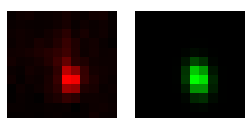
Coordinates : 114 μm (x), -68.3 μm (y), 13.3 μm (z)

Corresponding bead : Not found

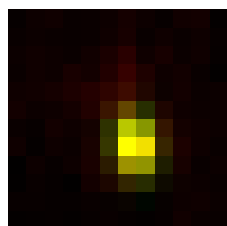
FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	587 nm	611 nm	270 nm
z	2.62 μm	2.63 μm	1.3 μm
Asymmetry	0.677		
Theta	-80.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 448.311$ (brightness)

$B = 122.960$ (background)

$a = 0.837$ px

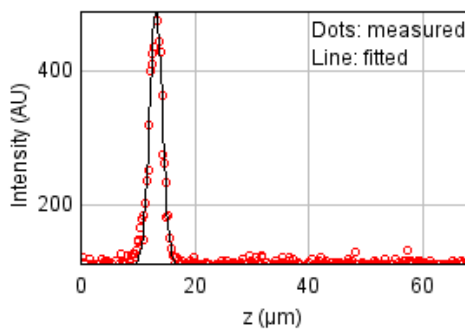
$b = -0.076$ px

$c = 0.402$ px

$x_c = 6.411$ px

$y_c = 6.878$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 23552.5532

Standard deviation: 8.75890

$R^2: 0.98069$

Parameters:

$a = 112.27792$

$b = 488.87305$

$c = 13.28420$

$d = 1.11176$

Bead 668

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

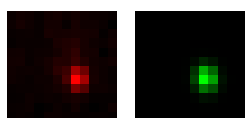
Coordinates : -89.9 μm (x), 79.3 μm (y), 13.2 μm (z)

Corresponding bead : Not found

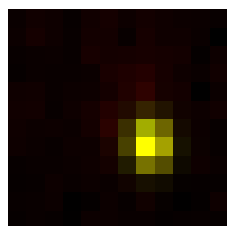
FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	474 nm	494 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.806		
Theta	-83.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 411.606 (brightness)

B = 122.107 (background)

a = 0.915 px

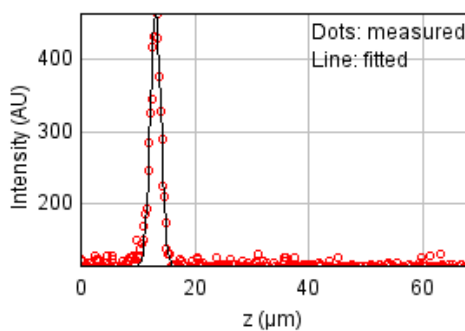
b = -0.035 px

c = 0.601 px

xc = 7.242 px

yc = 6.842 px

Z profile & fitting parameters:



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

Sum of residuals squared: 21091.8773

Standard deviation: 8.28874

R^2 : 0.97641

Parameters:

a = 112.71924

b = 463.20182

c = 13.20898

d = 0.92717

Bead 669

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

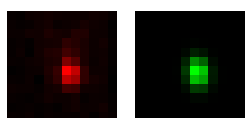
Coordinates : 6.68 μm (x), 51.1 μm (y), 13.3 μm (z)

Corresponding bead : Not found

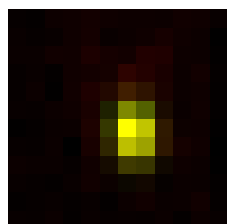
FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	547 nm	570 nm	270 nm
z	2.32 μm	2.33 μm	1.3 μm
Asymmetry	0.708		
Theta	-84.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 414.747 (brightness)

B = 121.796 (background)

a = 0.890 px

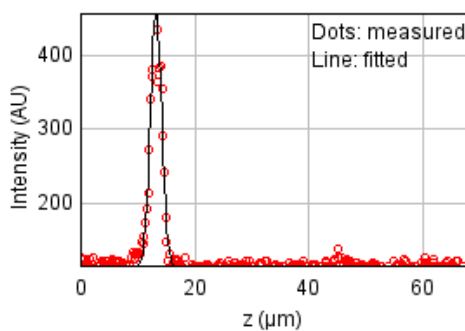
b = -0.046 px

c = 0.453 px

xc = 6.366 px

yc = 6.220 px

Z profile & fitting parameters:



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

Sum of residuals squared: 29571.2551

Standard deviation: 9.81444

R^2 : 0.96771

Parameters:

a = 114.87699

b = 458.09852

c = 13.28838

d = 0.98448

Bead 670

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

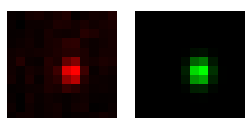
Coordinates : -117 μm (x), 42.3 μm (y), 13.5 μm (z)

Corresponding bead : Not found

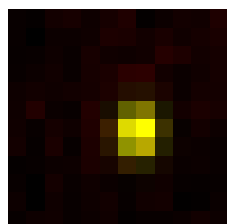
FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	473 nm	493 nm	270 nm
z	2.32 μm	2.33 μm	1.3 μm
Asymmetry	0.814		
Theta	87.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 304.478$ (brightness)

$B = 119.621$ (background)

$a = 0.904$ px

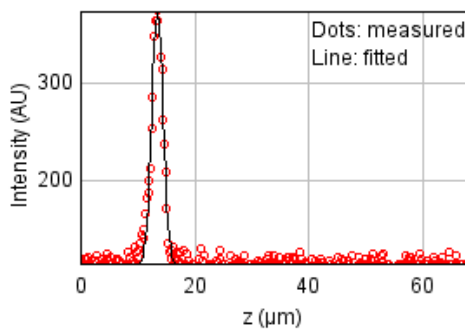
$b = 0.013$ px

$c = 0.600$ px

$x_c = 6.583$ px

$y_c = 6.163$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 19536.7007

Standard deviation: 7.97731

$R^2: 0.96357$

Parameters:

$a = 113.32110$

$b = 375.29838$

$c = 13.53217$

$d = 0.98532$

Bead 671

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

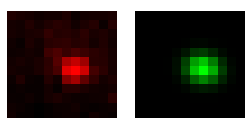
Coordinates : 150 μm (x), 7.64 μm (y), 13.7 μm (z)

Corresponding bead : Not found

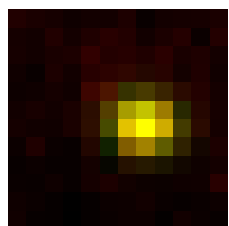
FWHM	Non corrected	Corrected	Theoretical
min	531 nm	553 nm	270 nm
max	637 nm	663 nm	270 nm
z	2.83 μm	2.84 μm	1.3 μm
Asymmetry	0.834		
Theta	-11.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 227.402$ (brightness)

$B = 120.656$ (background)

$a = 0.337$ px

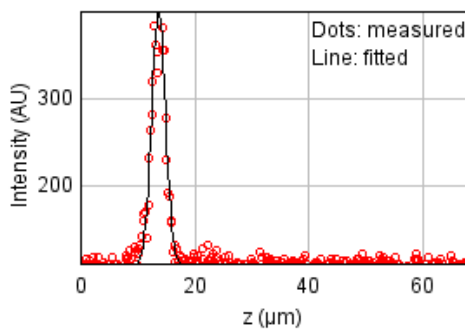
$b = -0.028$ px

$c = 0.470$ px

$x_c = 6.894$ px

$y_c = 5.780$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28660.2793

Standard deviation: 9.66209

$R^2: 0.96351$

Parameters:

$a = 110.95660$

$b = 399.75893$

$c = 13.73780$

$d = 1.20174$

Bead 672

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

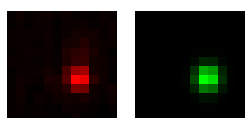
Coordinates : -70.3 μm (x), -514 nm (y), 13.4 μm (z)

Corresponding bead : Not found

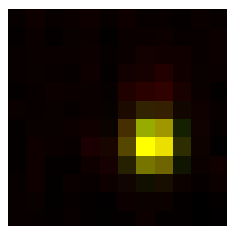
FWHM	Non corrected	Corrected	Theoretical
min	433 nm	451 nm	270 nm
max	476 nm	496 nm	270 nm
z	2.06 μm	2.07 μm	1.3 μm
Asymmetry	0.909		
Theta	87.6°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 497.165$ (brightness)

$B = 120.934$ (background)

$a = 0.715$ px

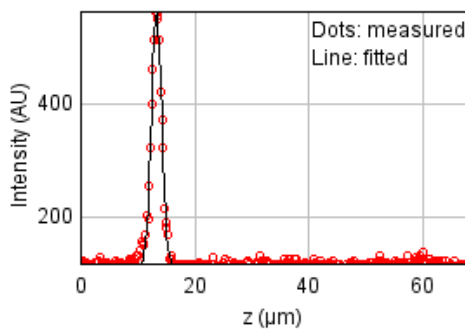
$b = 0.005$ px

$c = 0.592$ px

$x_c = 7.406$ px

$y_c = 6.837$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21448.4183

Standard deviation: 8.35850

$R^2: 0.98468$

Parameters:

$a = 114.30376$

$b = 567.32670$

$c = 13.37828$

$d = 0.87384$

Bead 673 (Rejected)

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

Coordinates : 74.0 μm (x), -5.36 μm (y), 10.5 μm (z)

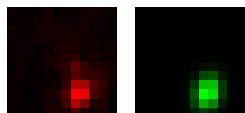
Corresponding bead : Not found

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

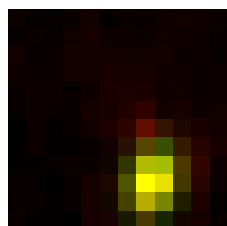
FWHM	Non corrected	Corrected	Theoretical
min	459 nm	478 nm	270 nm
max	636 nm	663 nm	270 nm
z	4.1 μm	4.12 μm	1.3 μm
Asymmetry	0.721		
Theta	76.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 337.578 (brightness)

B = 122.605 (background)

a = 0.620 px

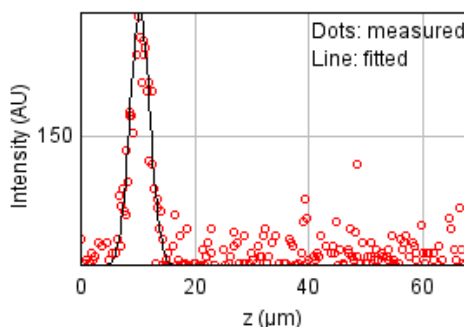
b = 0.072 px

c = 0.349 px

xc = 7.411 px

yc = 8.860 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15932.4887

Standard deviation: 7.20398

R^2 : 0.81272

Parameters:

a = 112.25342

b = 185.89035

c = 10.48207

d = 1.74129

Bead 674 (Rejected)

Date : Mon Oct 17 13:51:27 PDT 2022

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

Frame size : 12 pixels

Coordinates : -89.9 μm (x), -7.92 μm (y), 10.9 μm (z)

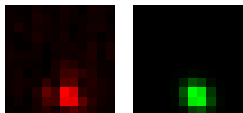
Corresponding bead : Not found

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

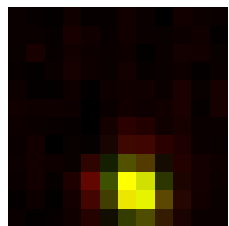
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	446 nm	270 nm
max	500 nm	521 nm	270 nm
z	3.65 μm	3.67 μm	1.3 μm
Asymmetry	0.857		
Theta	-47.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 334.402 (brightness)

B = 123.272 (background)

a = 0.643 px

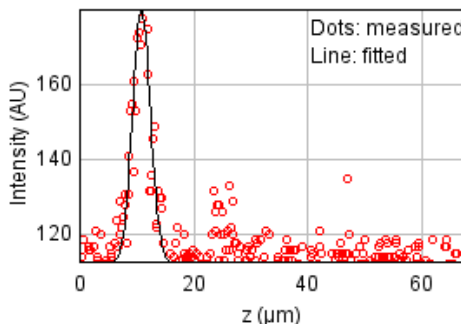
b = -0.096 px

c = 0.625 px

xc = 6.470 px

yc = 9.491 px

Z profile & fitting parameters:



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

Sum of residuals squared: 13756.0861

Standard deviation: 6.69389

R^2 : 0.79215

Parameters:

a = 112.49406

b = 180.07936

c = 10.92436

d = 1.55032

Bead 675

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

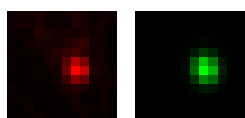
Coordinates : 130 μm (x), -11.3 μm (y), 13.7 μm (z)

Corresponding bead : Not found

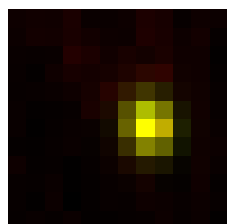
FWHM	Non corrected	Corrected	Theoretical
min	445 nm	463 nm	270 nm
max	530 nm	552 nm	270 nm
z	2.28 μm	2.29 μm	1.3 μm
Asymmetry	0.839		
Theta	-76.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 476.144$ (brightness)

$B = 121.379$ (background)

$a = 0.668$ px

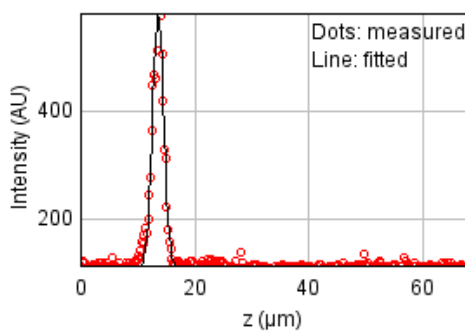
$b = -0.046$ px

$c = 0.489$ px

$x_c = 7.197$ px

$y_c = 5.828$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 38036.9421

Standard deviation: 11.13099

$R^2: 0.97682$

Parameters:

$a = 112.90248$

$b = 578.35990$

$c = 13.65978$

$d = 0.96714$

Bead 676

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

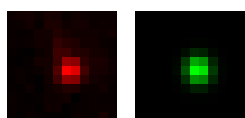
Coordinates : 58.8 μm (x), -13.5 μm (y), 13.4 μm (z)

Corresponding bead : Not found

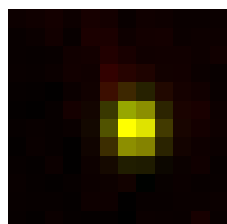
FWHM	Non corrected	Corrected	Theoretical
min	465 nm	484 nm	270 nm
max	516 nm	537 nm	270 nm
z	2.31 μm	2.32 μm	1.3 μm
Asymmetry	0.901		
Theta	-82.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 433.194 (brightness)

B = 123.954 (background)

a = 0.619 px

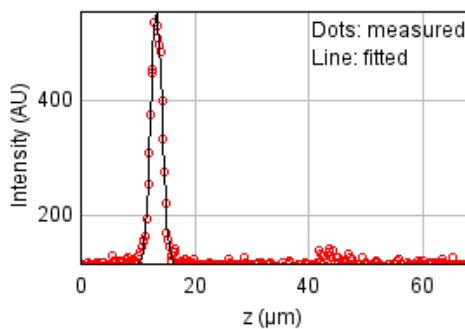
b = -0.016 px

c = 0.506 px

xc = 6.403 px

yc = 5.935 px

Z profile & fitting parameters:



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

Sum of residuals squared: 24228.7344

Standard deviation: 8.88375

R^2 : 0.98357

Parameters:

a = 114.38955

b = 553.93125

c = 13.35304

d = 0.98203

Bead 677

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

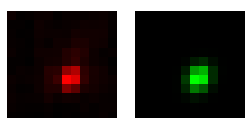
Coordinates : -70.1 μm (x), -33.9 μm (y), 13.6 μm (z)

Corresponding bead : Not found

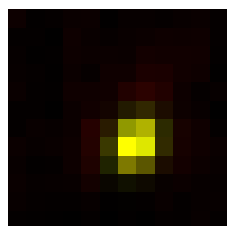
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	411 nm	270 nm
max	488 nm	509 nm	270 nm
z	2.43 μm	2.44 μm	1.3 μm
Asymmetry	0.807		
Theta	62.4°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 519.094$ (brightness)

$B = 120.737$ (background)

$a = 0.798$ px

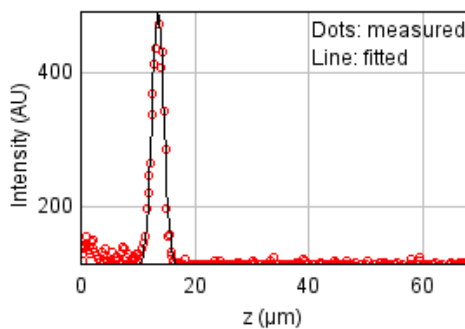
$b = 0.123$ px

$c = 0.627$ px

$x_c = 6.465$ px

$y_c = 6.814$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 37553.6444

Standard deviation: 11.06004

$R^2: 0.96743$

Parameters:

$a = 114.40328$

$b = 491.36533$

$c = 13.62204$

$d = 1.02998$

Bead 678 (Rejected)

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : 1.69 μm (x), -46.3 μm (y), 10.7 μm (z)

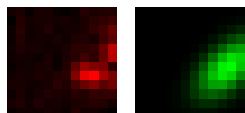
Corresponding bead : Not found

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

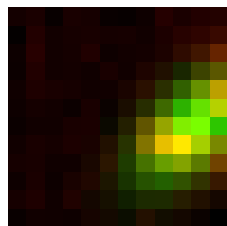
FWHM	Non corrected	Corrected	Theoretical
min	744 nm	775 nm	270 nm
max	1.37 μm	1.43 μm	270 nm
z	2.49 μm	2.5 μm	1.3 μm
Asymmetry	0.542		
Theta	43.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.718$



Parameters:

A = 116.121 (brightness)

B = 114.628 (background)

a = 0.153 px

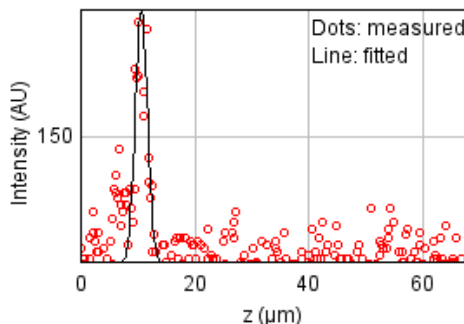
b = 0.085 px

c = 0.161 px

xc = 9.673 px

yc = 6.046 px

Z profile & fitting parameters:



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

Sum of residuals squared: 18470.6086

Standard deviation: 7.75660

R^2 : 0.71490

Parameters:

a = 112.60740

b = 188.47486

c = 10.72335

d = 1.05727

Bead 679

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

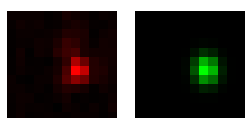
Coordinates : 83.2 μm (x), -80.2 μm (y), 13.1 μm (z)

Corresponding bead : Not found

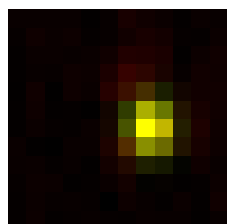
FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	531 nm	553 nm	270 nm
z	2.33 μm	2.33 μm	1.3 μm
Asymmetry	0.809		
Theta	-84.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 464.282$ (brightness)

$B = 122.775$ (background)

$a = 0.726$ px

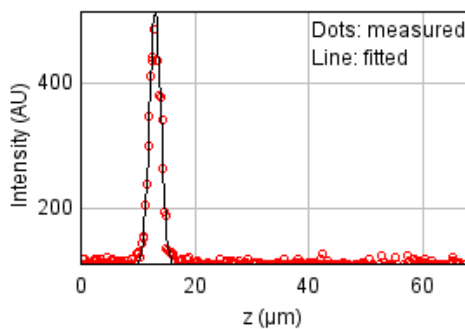
$b = -0.023$ px

$c = 0.479$ px

$xc = 7.263$ px

$yc = 5.909$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 21694.6788

Standard deviation: 8.40635

$R^2: 0.98261$

Parameters:

$a = 112.27986$

$b = 515.36789$

$c = 13.13671$

$d = 0.98740$

Bead 680 (Rejected)

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : 7.42 μm (x), 59.2 μm (y), 10.5 μm (z)

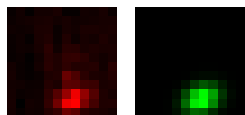
Corresponding bead : Not found

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

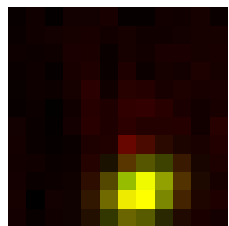
FWHM	Non corrected	Corrected	Theoretical
min	486 nm	506 nm	270 nm
max	653 nm	680 nm	270 nm
z	4.1 μm	4.12 μm	1.3 μm
Asymmetry	0.744		
Theta	24.0°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 241.116$ (brightness)

$B = 125.243$ (background)

$a = 0.357$ px

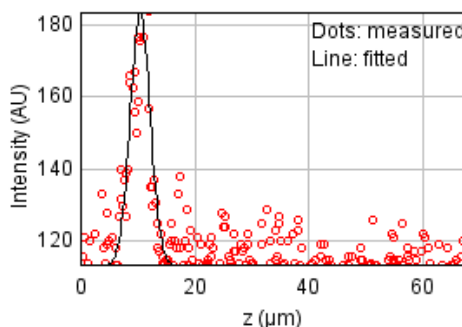
$b = 0.094$ px

$c = 0.526$ px

$xc = 6.732$ px

$yc = 9.571$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18283.6544

Standard deviation: 7.71725

$R^2: 0.77498$

Parameters:

$a = 113.11668$

$b = 183.39698$

$c = 10.52640$

$d = 1.74093$

Bead 681 (Rejected)

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : -15.6 μm (x), 58.6 μm (y), 13.2 μm (z)

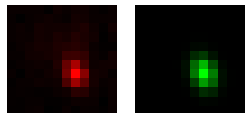
Corresponding bead : Not found

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

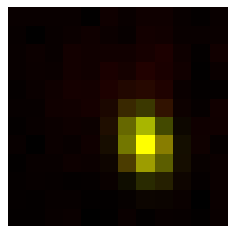
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	590 nm	615 nm	270 nm
z	2.75 μm	2.76 μm	1.3 μm
Asymmetry	0.71		
Theta	-73.8°		

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 = 433.074 (brightness)

B = 124.959 (background)

a = 0.736 px

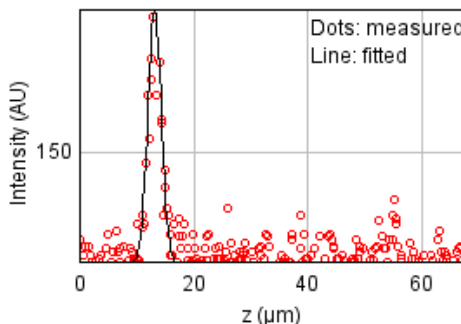
b = -0.102 px

c = 0.415 px

xc = 7.003 px

yc = 6.912 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15071.7560

Standard deviation: 7.00669

R^2 : 0.79910

Parameters:

a = 114.34708

b = 196.72691

c = 13.21694

d = 1.16778

Bead 682

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

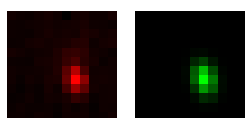
Coordinates : -9.89 μm (x), 53.2 μm (y), 13.3 μm (z)

Corresponding bead : Not found

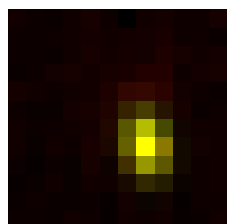
FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	587 nm	612 nm	270 nm
z	2.01 μm	2.02 μm	1.3 μm
Asymmetry	0.664		
Theta	-77.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 369.742$ (brightness)

$B = 121.619$ (background)

$a = 0.860$ px

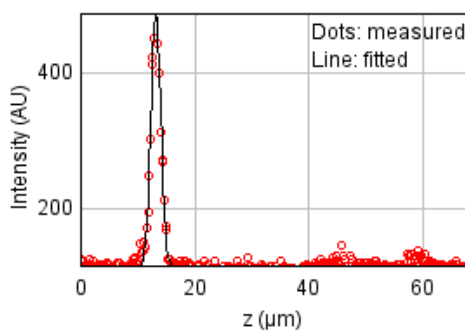
$b = -0.101$ px

$c = 0.411$ px

$x_c = 7.049$ px

$y_c = 6.875$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26557.3102

Standard deviation: 9.30085

$R^2: 0.97167$

Parameters:

$a = 115.40097$

$b = 487.82024$

$c = 13.26082$

$d = 0.85324$

Bead 683

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

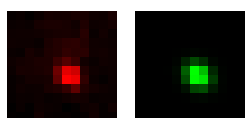
Coordinates : -80.7 μm (x), 46.9 μm (y), 13.3 μm (z)

Corresponding bead : Not found

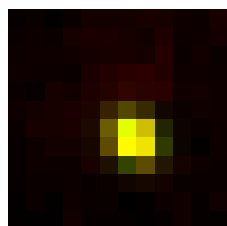
FWHM	Non corrected	Corrected	Theoretical
min	421 nm	439 nm	270 nm
max	497 nm	517 nm	270 nm
z	2.22 μm	2.23 μm	1.3 μm
Asymmetry	0.847		
Theta	-44.9°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 374.130$ (brightness)

$B = 121.275$ (background)

$a = 0.650$ px

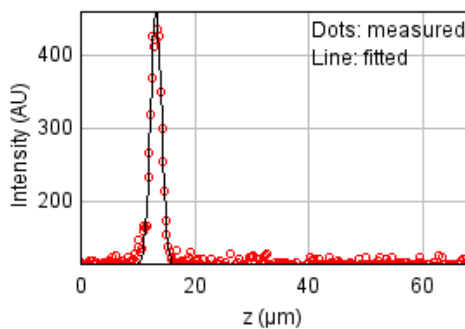
$b = -0.107$ px

$c = 0.651$ px

$x_c = 6.357$ px

$y_c = 6.544$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 20895.8568

Standard deviation: 8.25013

$R^2 = 0.97665$

Parameters:

$a = 113.22878$

$b = 461.36036$

$c = 13.28910$

$d = 0.94151$

Bead 684 (Rejected)

Date : Mon Oct 17 13:51:28 PDT 2022

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

Frame size : 12 pixels

Coordinates : 46.7 μm (x), 6.29 μm (y), 11.3 μm (z)

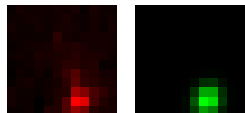
Corresponding bead : Not found

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

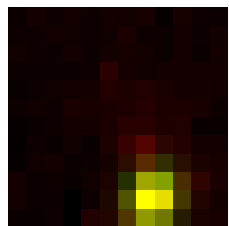
FWHM	Non corrected	Corrected	Theoretical
min	454 nm	473 nm	270 nm
max	547 nm	569 nm	270 nm
z	3.47 μm	3.48 μm	1.3 μm
Asymmetry	0.831		
Theta	73.1°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 275.879$ (brightness)

$B = 121.198$ (background)

$a = 0.633$ px

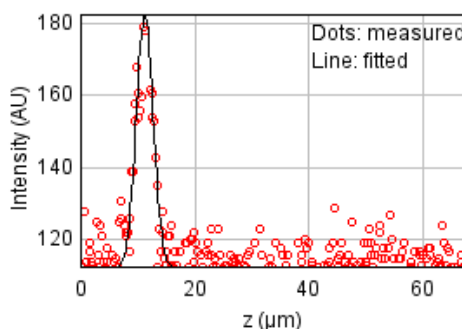
$b = 0.056$ px

$c = 0.466$ px

$xc = 7.400$ 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: 12499.8827

Standard deviation: 6.38093

$R^2: 0.81205$

Parameters:

$a = 112.22744$

$b = 182.47580$

$c = 11.32283$

$d = 1.47171$

Bead 685 (Rejected)

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : -5.99 μm (x), -2.36 μm (y), 10.9 μm (z)

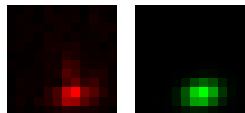
Corresponding bead : Not found

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

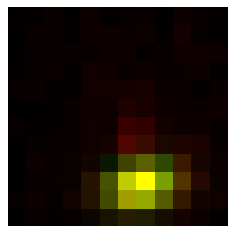
FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	642 nm	669 nm	270 nm
z	4.0 μm	4.01 μm	1.3 μm
Asymmetry	0.676		
Theta	12.2°		

XY profile & fitting parameters :

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



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



Parameters:

A = 302.903 (brightness)

B = 122.359 (background)

a = 0.343 px

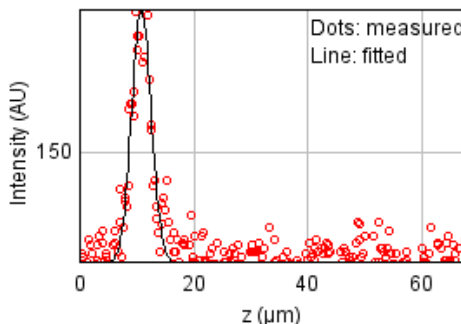
b = 0.080 px

c = 0.694 px

xc = 6.768 px

yc = 9.229 px

Z profile & fitting parameters:



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

Sum of residuals squared: 14744.5836

Standard deviation: 6.93022

R^2 : 0.86146

Parameters:

a = 112.91304

b = 198.69225

c = 10.90922

d = 1.69723

Bead 686

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

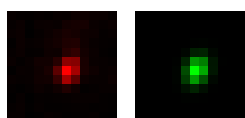
Coordinates : -86.2 μm (x), -20.6 μm (y), 13.9 μm (z)

Corresponding bead : Not found

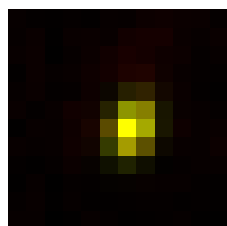
FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	534 nm	556 nm	270 nm
z	2.2 μm	2.21 μm	1.3 μm
Asymmetry	0.738		
Theta	70.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.972$



Parameters:

A = 669.132 (brightness)

B = 123.962 (background)

a = 0.819 px

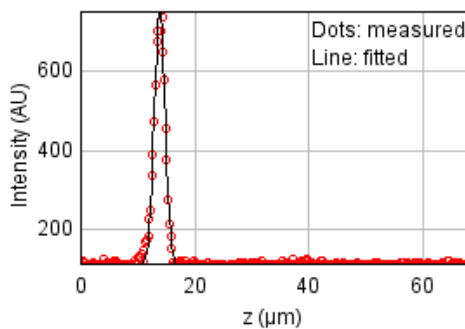
b = 0.127 px

c = 0.517 px

xc = 6.254 px

yc = 5.960 px

Z profile & fitting parameters:



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

Sum of residuals squared: 23176.0895

Standard deviation: 8.68862

R^2 : 0.99211

Parameters:

a = 113.72477

b = 751.26567

c = 13.93512

d = 0.93513

Bead 687

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

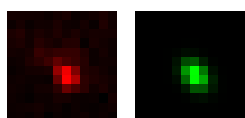
Coordinates : 137 μm (x), -31.5 μm (y), 13.8 μm (z)

Corresponding bead : Not found

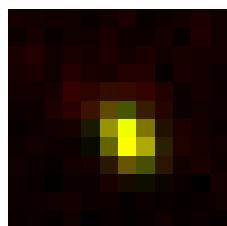
FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	574 nm	598 nm	270 nm
z	2.61 μm	2.62 μm	1.3 μm
Asymmetry	0.716		
Theta	-52.7°		

XY profile & fitting parameters :

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



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



Parameters:

A = 332.819 (brightness)

B = 119.129 (background)

a = 0.651 px

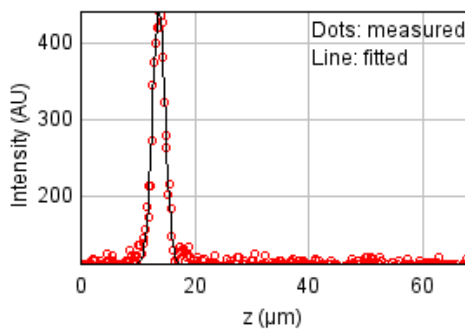
b = -0.186 px

c = 0.549 px

xc = 6.054 px

yc = 6.504 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20213.1883

Standard deviation: 8.11425

R^2 : 0.97854

Parameters:

a = 111.40389

b = 442.38267

c = 13.77598

d = 1.10886

Bead 688

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

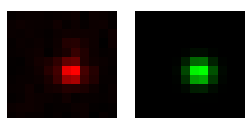
Coordinates : -93.6 μm (x), -84.8 μm (y), 13.9 μm (z)

Corresponding bead : Not found

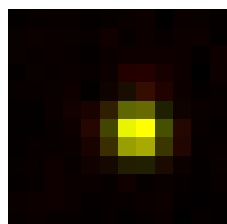
FWHM	Non corrected	Corrected	Theoretical
min	457 nm	476 nm	270 nm
max	473 nm	493 nm	270 nm
z	2.14 μm	2.15 μm	1.3 μm
Asymmetry	0.965		
Theta	-12.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 511.740 (brightness)

B = 122.697 (background)

a = 0.601 px

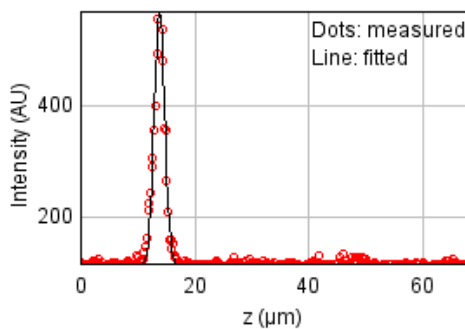
b = -0.009 px

c = 0.642 px

xc = 6.542 px

yc = 6.178 px

Z profile & fitting parameters:



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

Sum of residuals squared: 32920.7569

Standard deviation: 10.35537

R^2 : 0.97780

Parameters:

a = 113.97837

b = 569.69540

c = 13.88702

d = 0.90993

Bead 689 (Rejected)

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : 90.5 μm (x), 95.8 μm (y), 13.7 μm (z)

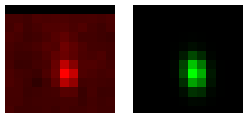
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

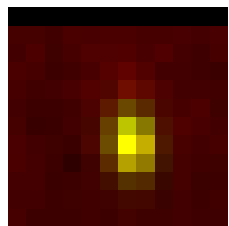
FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	613 nm	638 nm	270 nm
z	1.95 μm	1.96 μm	1.3 μm
Asymmetry	0.666		
Theta	-83.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.635$



Parameters:

A = 343.622 (brightness)

B = 108.256 (background)

a = 0.801 px

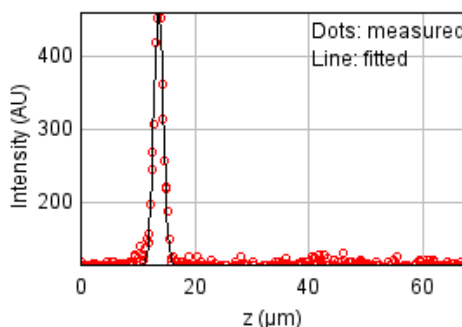
b = -0.049 px

c = 0.362 px

xc = 6.253 px

yc = 6.903 px

Z profile & fitting parameters:



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

Sum of residuals squared: 19251.7977

Standard deviation: 7.91893

R^2 : 0.97557

Parameters:

a = 113.92606

b = 461.12432

c = 13.72922

d = 0.82757

Bead 690

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

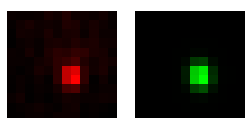
Coordinates : 118 um (x), 68.9 um (y), 12.9 um (z)

Corresponding bead : Not found

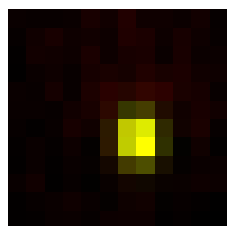
FWHM	Non corrected	Corrected	Theoretical
min	375 nm	391 nm	270 nm
max	460 nm	479 nm	270 nm
z	2.27 um	2.28 um	1.3 um
Asymmetry	0.816		
Theta	-84.5°		

XY profile & fitting parameters :

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



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



Parameters:

A = 346.638 (brightness)

B = 120.496 (background)

a = 0.950 px

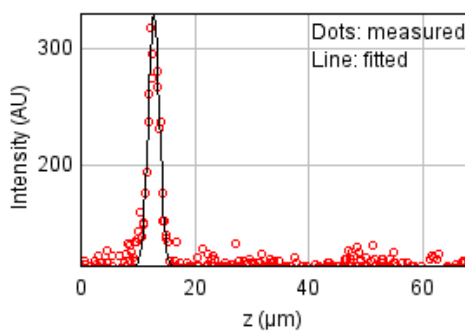
b = -0.030 px

c = 0.637 px

xc = 6.602 px

yc = 6.545 px

Z profile & fitting parameters:



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

Sum of residuals squared: 25962.6814

Standard deviation: 9.19614

R^2 : 0.93092

Parameters:

a = 112.64067

b = 330.41027

c = 12.90790

d = 0.96431

Bead 691 (Rejected)

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : -15.6 μm (x), 58.6 μm (y), 13.2 μm (z)

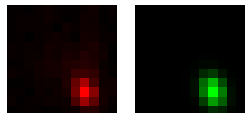
Corresponding bead : Not found

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

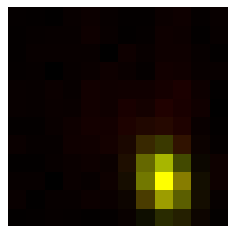
FWHM	Non corrected	Corrected	Theoretical
min	418 nm	436 nm	270 nm
max	592 nm	616 nm	270 nm
z	2.75 μm	2.76 μm	1.3 μm
Asymmetry	0.707		
Theta	-73.9°		

XY profile & fitting parameters :

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



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



Parameters:

A = 432.106 (brightness)

B = 125.283 (background)

a = 0.737 px

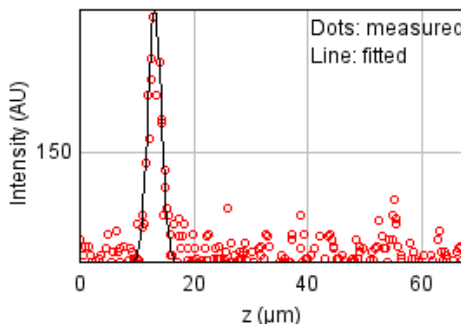
b = -0.102 px

c = 0.413 px

xc = 8.003 px

yc = 8.913 px

Z profile & fitting parameters:



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

Sum of residuals squared: 15071.7560

Standard deviation: 7.00669

R^2 : 0.79910

Parameters:

a = 114.34708

b = 196.72691

c = 13.21694

d = 1.16778

Bead 692 (Rejected)

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : 125 μm (x), 11.5 μm (y), 13.6 μm (z)

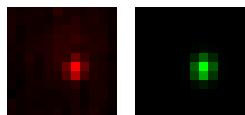
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

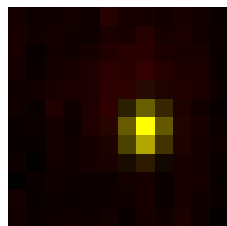
FWHM	Non corrected	Corrected	Theoretical
min	356 nm	371 nm	270 nm
max	437 nm	455 nm	270 nm
z	2.03 μm	2.04 μm	1.3 μm
Asymmetry	0.816		
Theta	80.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 275.577$ (brightness)

$B = 116.049$ (background)

$a = 1.047$ px

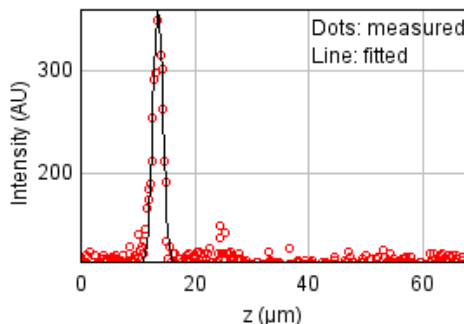
$b = 0.059$ px

$c = 0.714$ px

$xc = 6.985$ px

$yc = 6.201$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 22537.5534

Standard deviation: 8.56809

$R^2: 0.94680$

Parameters:

$a = 113.21793$

$b = 359.00784$

$c = 13.61998$

$d = 0.86302$

Bead 693 (Rejected)

Date : Mon Oct 17 13:51:29 PDT 2022

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

Frame size : 12 pixels

Coordinates : 72.8 μm (x), 10.9 μm (y), 13.8 μm (z)

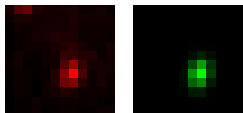
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

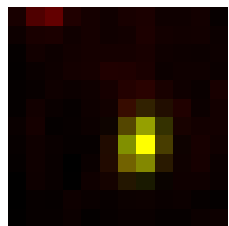
FWHM	Non corrected	Corrected	Theoretical
min	361 nm	376 nm	270 nm
max	510 nm	531 nm	270 nm
z	1.94 μm	1.95 μm	1.3 μm
Asymmetry	0.707		
Theta	75.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.851$



Parameters:

A = 392.345 (brightness)

B = 125.831 (background)

a = 1.001 px

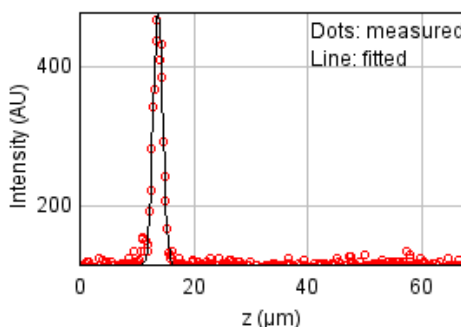
b = 0.123 px

c = 0.547 px

xc = 6.790 px

yc = 6.973 px

Z profile & fitting parameters:



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

Sum of residuals squared: 22210.7787

Standard deviation: 8.50575

R^2 : 0.97449

Parameters:

a = 113.54902

b = 478.63119

c = 13.80594

d = 0.82576

Bead 694

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

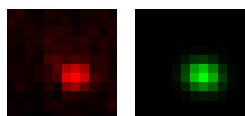
Coordinates : 150 μm (x), 7.64 μm (y), 13.7 μm (z)

Corresponding bead : Not found

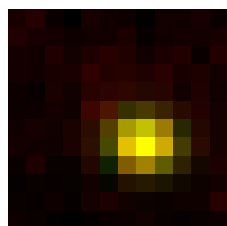
FWHM	Non corrected	Corrected	Theoretical
min	527 nm	549 nm	270 nm
max	632 nm	658 nm	270 nm
z	2.83 μm	2.84 μm	1.3 μm
Asymmetry	0.834		
Theta	-11.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 227.507$ (brightness)

$B = 121.454$ (background)

$a = 0.342$ px

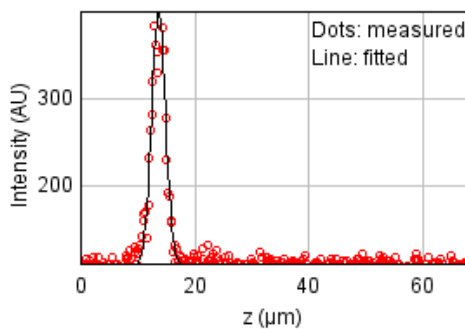
$b = -0.028$ px

$c = 0.477$ px

$x_c = 6.895$ px

$y_c = 6.781$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28660.2793

Standard deviation: 9.66209

$R^2: 0.96351$

Parameters:

$a = 110.95660$

$b = 399.75893$

$c = 13.73780$

$d = 1.20174$

Bead 695 (Rejected)

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : 35.8 μm (x), -6.25 μm (y), 11.1 μm (z)

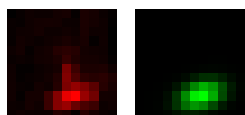
Corresponding bead : Not found

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

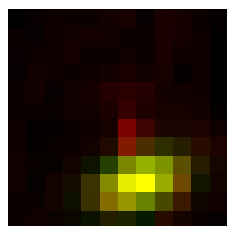
FWHM	Non corrected	Corrected	Theoretical
min	493 nm	513 nm	270 nm
max	822 nm	856 nm	270 nm
z	3.85 μm	3.86 μm	1.3 μm
Asymmetry	0.6		
Theta	18.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.853$



Parameters:

A = 253.735 (brightness)

B = 121.373 (background)

a = 0.233 px

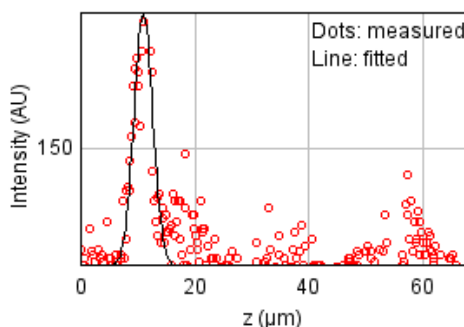
b = 0.105 px

c = 0.517 px

xc = 6.698 px

yc = 8.908 px

Z profile & fitting parameters:



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

Sum of residuals squared: 20807.5398

Standard deviation: 8.23268

R^2 : 0.76194

Parameters:

a = 115.88913

b = 190.28846

c = 11.08007

d = 1.63285

Bead 696

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

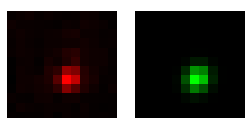
Coordinates : -85.5 μm (x), -54.0 μm (y), 14.0 μm (z)

Corresponding bead : Not found

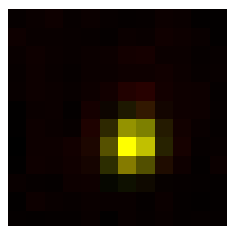
FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	473 nm	493 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.886		
Theta	58.8°		

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 = 559.898 (brightness)

B = 122.060 (background)

a = 0.719 px

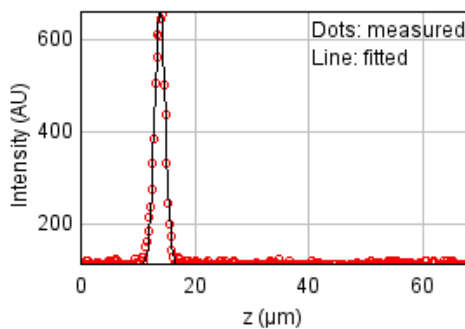
b = 0.073 px

c = 0.643 px

$x_c = 6.311$ px

$y_c = 6.893$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 37559.1396

Standard deviation: 11.06085

R^2 : 0.98271

Parameters:

a = 113.76886

b = 662.20350

c = 13.98984

d = 0.92550

Bead 697

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

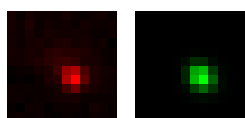
Coordinates : 131 μm (x), -54.2 μm (y), 13.8 μm (z)

Corresponding bead : Not found

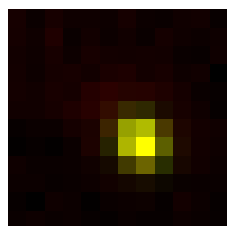
FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	495 nm	516 nm	270 nm
z	2.32 μm	2.33 μm	1.3 μm
Asymmetry	0.854		
Theta	-51.2°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 340.178$ (brightness)

$B = 118.176$ (background)

$a = 0.670$ px

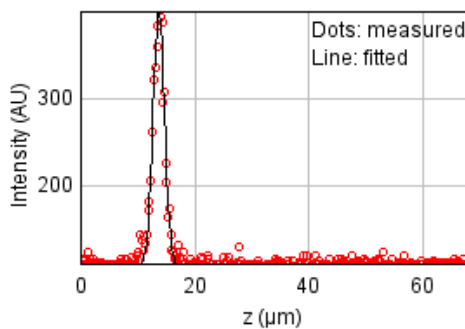
$b = -0.099$ px

$c = 0.627$ px

$x_c = 6.714$ px

$y_c = 6.704$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 18944.4610

Standard deviation: 7.85547

$R^2: 0.97093$

Parameters:

$a = 110.93868$

$b = 400.70569$

$c = 13.77102$

$d = 0.98617$

Bead 698

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

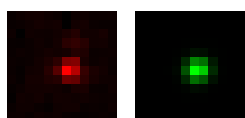
Coordinates : -99.8 μm (x), -63.0 μm (y), 13.6 μm (z)

Corresponding bead : Not found

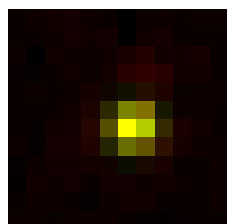
FWHM	Non corrected	Corrected	Theoretical
min	421 nm	438 nm	270 nm
max	445 nm	464 nm	270 nm
z	2.09 μm	2.1 μm	1.3 μm
Asymmetry	0.945		
Theta	19.7°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 400.882$ (brightness)

$B = 122.404$ (background)

$a = 0.686$ px

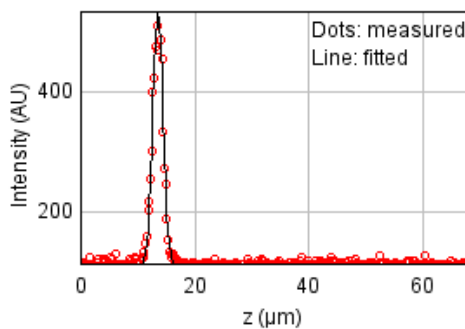
$b = 0.026$ px

$c = 0.749$ px

$x_c = 6.339$ px

$y_c = 5.923$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 26558.3910

Standard deviation: 9.30104

$R^2: 0.97864$

Parameters:

$a = 112.70581$

$b = 535.40132$

$c = 13.61667$

$d = 0.88632$

Bead 699 (Rejected)

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

Coordinates : 125 um (x), -89.0 um (y), 13.6 um (z)

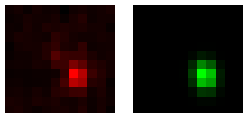
Corresponding bead : Not found

Reason of rejection : R or C parameter off limits.

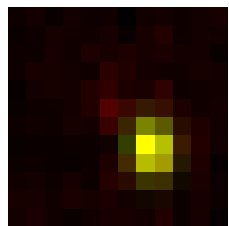
FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	531 nm	553 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.752		
Theta	-82.3°		

XY profile & fitting parameters :

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



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



Parameters:

A = 246.844 (brightness)

B = 118.670 (background)

a = 0.835 px

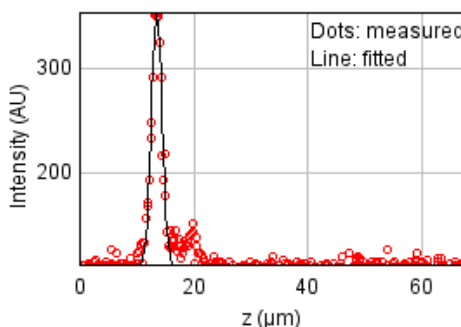
b = -0.049 px

c = 0.483 px

xc = 7.346 px

yc = 7.217 px

Z profile & fitting parameters:



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

Sum of residuals squared: 30752.0428

Standard deviation: 10.00847

R^2 : 0.93063

Parameters:

a = 112.26024

b = 354.40389

c = 13.58578

d = 0.91733

Bead 700

Date : Mon Oct 17 13:51:30 PDT 2022

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

Frame size : 12 pixels

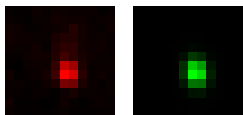
Coordinates : -60.2 μm (x), 50.8 μm (y), 14.2 μm (z)

Corresponding bead : Not found

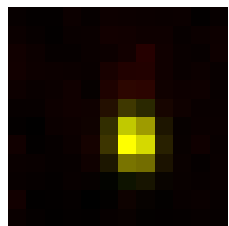
FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	514 nm	535 nm	270 nm
z	2.18 μm	2.19 μm	1.3 μm
Asymmetry	0.761		
Theta	-82.3°		

XY profile & fitting parameters :

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



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



Parameters:

$A = 579.602$ (brightness)

$B = 123.476$ (background)

$a = 0.872$ px

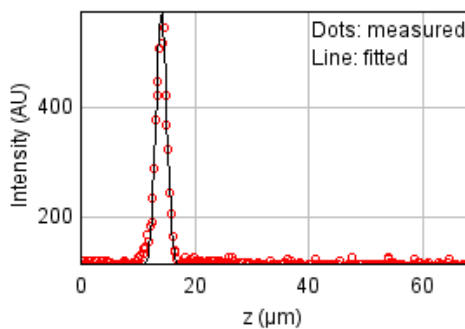
$b = -0.049$ px

$c = 0.515$ px

$x_c = 6.393$ px

$y_c = 6.770$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 28013.0552

Standard deviation: 9.55237

$R^2: 0.98187$

Parameters:

$a = 114.27101$

$b = 576.90405$

$c = 14.23149$

$d = 0.92438$