

Bead 1

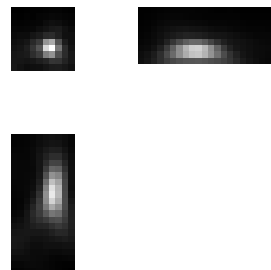
Date : Thu Jul 14 17:13:14 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : 43.3 μm (x), -5.32 μm (y), 937 nm (z)

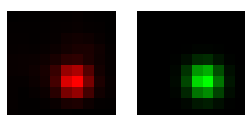
Corresponding bead : Not found



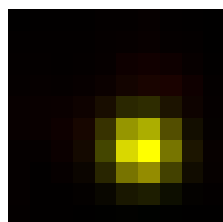
FWHM	Non corrected	Corrected	Theoretical
min	274 nm	279 nm	190 nm
max	281 nm	287 nm	190 nm
z	764 nm	766 nm	642 nm
Asymmetry	0.973		
Theta	-23.4°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.989$



Parameters:

A = 10338.349 (brightness)

B = 361.570 (background)

a = 0.476 px

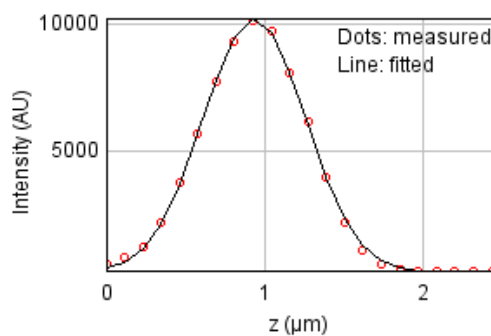
b = -0.010 px

c = 0.494 px

$x_c = 5.677$ px

$y_c = 5.884$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 198223.633

Standard deviation: 97.15565

R^2 : 0.99925

Parameters:

a = 360.38610

b = 10177.8247

c = 0.93741

d = 0.32458

Bead 2

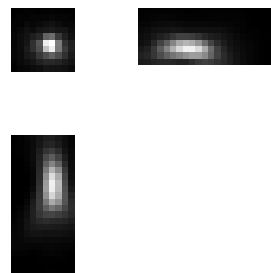
Date : Thu Jul 14 17:13:14 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : -38.8 μm (x), -8.04 μm (y), 804 nm (z)

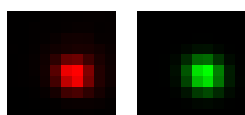
Corresponding bead : Not found



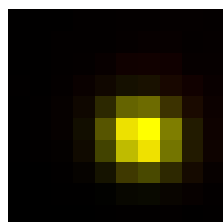
FWHM	Non corrected	Corrected	Theoretical
min	271 nm	277 nm	190 nm
max	302 nm	308 nm	190 nm
z	818 nm	819 nm	642 nm
Asymmetry	0.899		
Theta	-17.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.993$



Parameters:

A = 6683.707 (brightness)

B = 207.111 (background)

a = 0.419 px

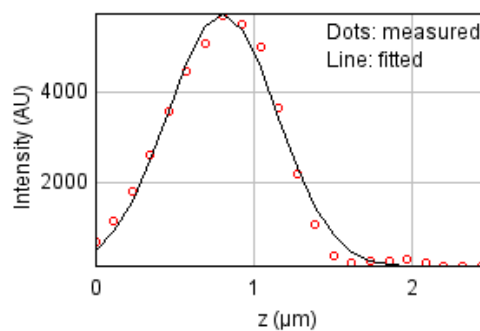
b = -0.028 px

c = 0.498 px

$x_c = 5.680$ px

$y_c = 5.353$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 1099739.57

Standard deviation: 228.84176

R^2 : 0.98717

Parameters:

a = 177.99767

b = 5697.29869

c = 0.80423

d = 0.34722

Bead 3

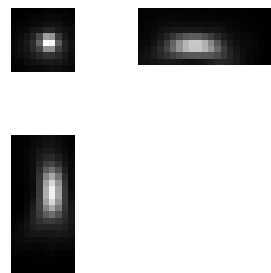
Date : Thu Jul 14 17:13:14 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : -9.46 μm (x), -3.36 μm (y), 917 nm (z)

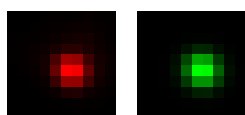
Corresponding bead : Not found



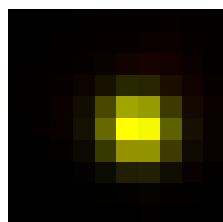
FWHM	Non corrected	Corrected	Theoretical
min	271 nm	276 nm	190 nm
max	287 nm	293 nm	190 nm
z	736 nm	737 nm	642 nm
Asymmetry	0.945		
Theta	-21.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.993$



Parameters:

$A = 10424.988$ (brightness)

$B = 270.923$ (background)

$a = 0.462$ px

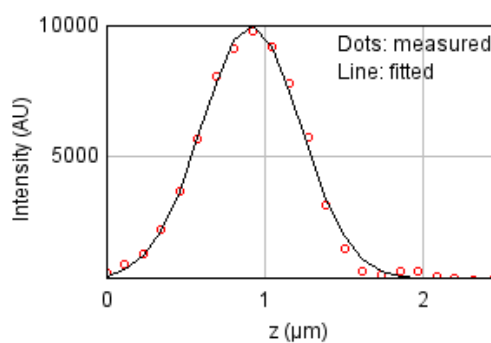
$b = -0.018$ px

$c = 0.502$ px

$x_c = 5.470$ px

$y_c = 4.956$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 1285904.30

Standard deviation: 247.45411

$R^2: 0.99502$

Parameters:

$a = 278.08677$

$b = 10020.7086$

$c = 0.91726$

$d = 0.31245$

Bead 4

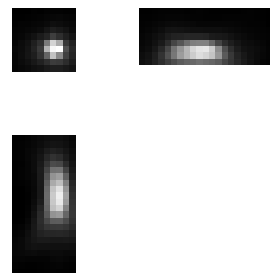
Date : Thu Jul 14 17:13:15 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : -22.8 μm (x), -17.7 μm (y), 976 nm (z)

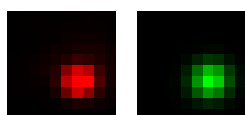
Corresponding bead : Not found



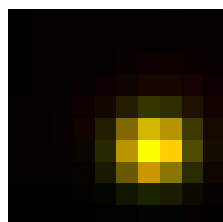
FWHM	Non corrected	Corrected	Theoretical
min	291 nm	297 nm	190 nm
max	314 nm	320 nm	190 nm
z	887 nm	889 nm	642 nm
Asymmetry	0.926		
Theta	9.4°		

XY profile & fitting parameters :

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



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



Parameters:

A = 7015.972 (brightness)

B = 202.937 (background)

a = 0.381 px

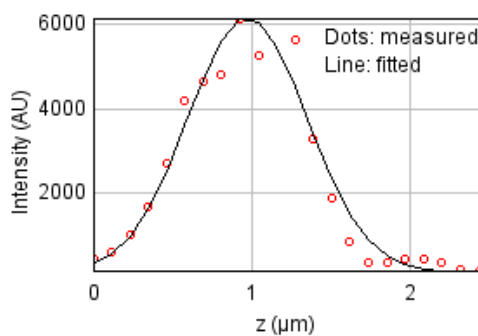
b = 0.010 px

c = 0.440 px

xc = 6.214 px

yc = 5.885 px

Z profile & fitting parameters:



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

Sum of residuals squared: 4607451.98

Standard deviation: 468.40418

R^2 : 0.95600

Parameters:

a = 150.64095

b = 6171.12361

c = 0.97568

d = 0.37649

Bead 5

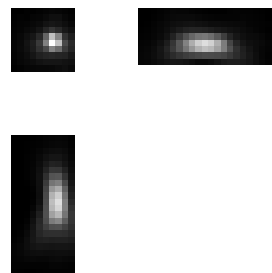
Date : Thu Jul 14 17:13:15 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : -30.1 μm (x), 32.7 μm (y), 1.1 μm (z)

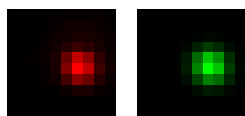
Corresponding bead : Not found



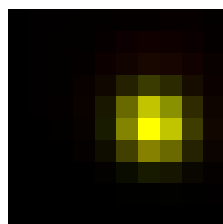
FWHM	Non corrected	Corrected	Theoretical
min	276 nm	282 nm	190 nm
max	290 nm	296 nm	190 nm
z	749 nm	751 nm	642 nm
Asymmetry	0.953		
Theta	-39.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.990$



Parameters:

$A = 10875.123$ (brightness)

$B = 275.498$ (background)

$a = 0.462$ px

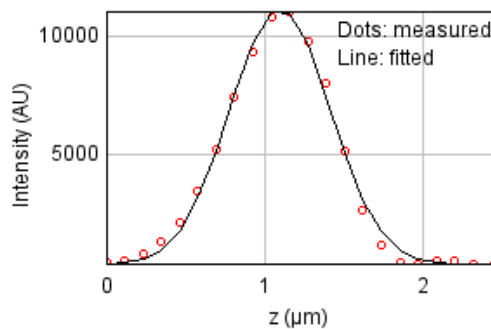
$b = -0.022$ px

$c = 0.470$ px

$x_c = 6.208$ px

$y_c = 4.792$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 1790150.15

Standard deviation: 291.96788

$R^2: 0.99440$

Parameters:

$a = 402.40287$

$b = 11225.3687$

$c = 1.09996$

$d = 0.31805$

Bead 6

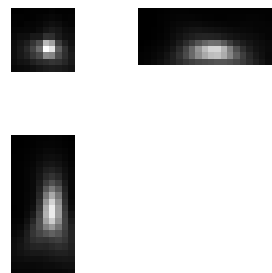
Date : Thu Jul 14 17:13:15 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : 20.9 μm (x), 31.5 μm (y), 1.25 μm (z)

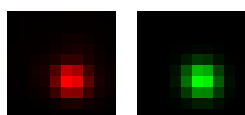
Corresponding bead : Not found



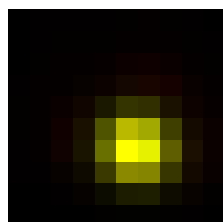
FWHM	Non corrected	Corrected	Theoretical
min	279 nm	285 nm	190 nm
max	293 nm	299 nm	190 nm
z	714 nm	716 nm	642 nm
Asymmetry	0.951		
Theta	-23.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.991$



Parameters:

$A = 15503.382$ (brightness)

$B = 408.577$ (background)

$a = 0.442$ px

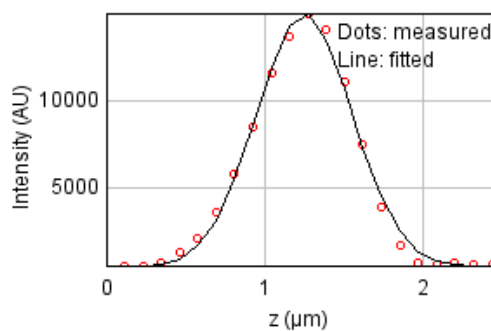
$b = -0.016$ px

$c = 0.474$ px

$x_c = 5.426$ px

$y_c = 5.855$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 3047060.16

Standard deviation: 380.91745

$R^2: 0.99454$

Parameters:

$a = 575.84995$

$b = 14957.6775$

$c = 1.25300$

$d = 0.30332$

Bead 7

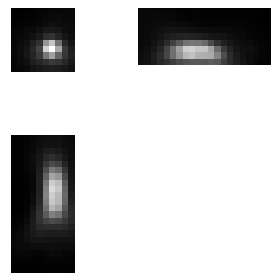
Date : Thu Jul 14 17:13:15 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : -26.7 μm (x), 1.99 μm (y), 921 nm (z)

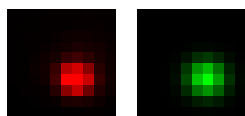
Corresponding bead : Not found



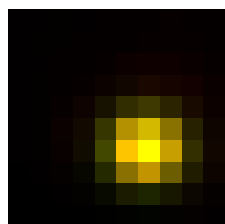
FWHM	Non corrected	Corrected	Theoretical
min	294 nm	300 nm	190 nm
max	318 nm	324 nm	190 nm
z	841 nm	843 nm	642 nm
Asymmetry	0.925		
Theta	-6.3°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.980$



Parameters:

$A = 6274.580$ (brightness)

$B = 192.726$ (background)

$a = 0.371$ px

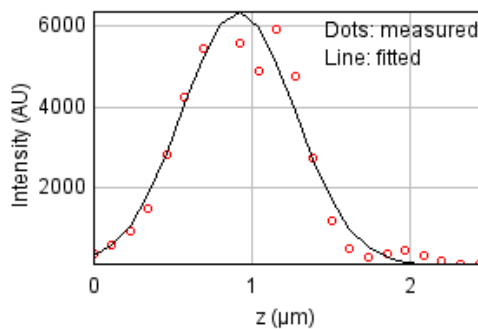
$b = -0.007$ px

$c = 0.432$ px

$x_c = 5.855$ px

$y_c = 5.868$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 4415168.08

Standard deviation: 458.52601

$R^2: 0.95988$

Parameters:

$a = 143.30708$

$b = 6323.69710$

$c = 0.92059$

$d = 0.35710$

Bead 8

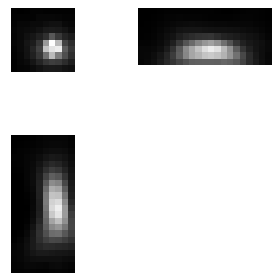
Date : Thu Jul 14 17:13:15 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : -53.6 μm (x), -35.1 μm (y), 1.18 μm (z)

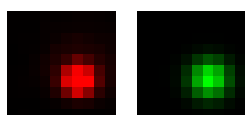
Corresponding bead : Not found



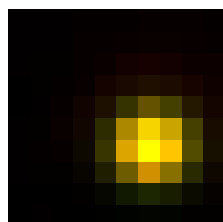
FWHM	Non corrected	Corrected	Theoretical
min	312 nm	319 nm	190 nm
max	327 nm	334 nm	190 nm
z	771 nm	773 nm	642 nm
Asymmetry	0.955		
Theta	4.1°		

XY profile & fitting parameters :

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



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



Parameters:

A = 7980.898 (brightness)

B = 232.521 (background)

a = 0.349 px

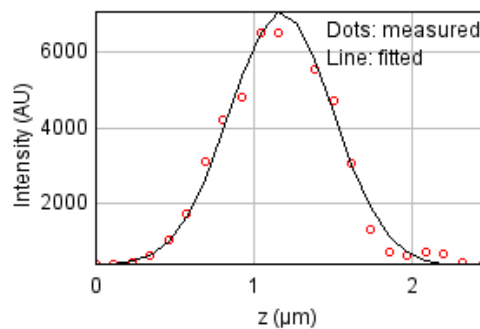
b = 0.002 px

c = 0.382 px

$x_c = 6.132$ px

$y_c = 5.747$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 2341427.55

Standard deviation: 333.91099

R^2 : 0.98120

Parameters:

a = 389.33246

b = 7081.33438

c = 1.17718

d = 0.32749

Bead 9

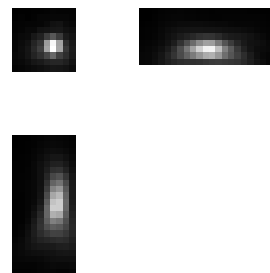
Date : Thu Jul 14 17:13:15 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : 24.4 μm (x), -41.1 μm (y), 1.12 μm (z)

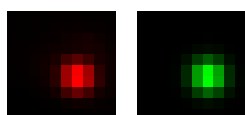
Corresponding bead : Not found



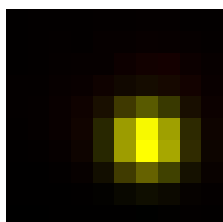
FWHM	Non corrected	Corrected	Theoretical
min	274 nm	280 nm	190 nm
max	286 nm	292 nm	190 nm
z	719 nm	721 nm	642 nm
Asymmetry	0.958		
Theta	-12.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.992$



Parameters:

A = 11230.027 (brightness)

B = 315.052 (background)

a = 0.457 px

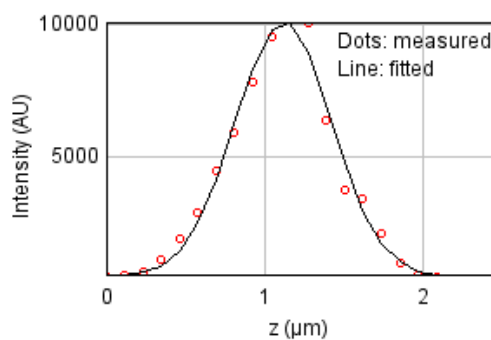
b = -0.008 px

c = 0.495 px

$x_c = 6.022$ px

$y_c = 5.526$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 4425808.81

Standard deviation: 459.07821

R^2 : 0.98251

Parameters:

a = 526.11606

b = 10144.5464

c = 1.12087

d = 0.30530

Bead 10

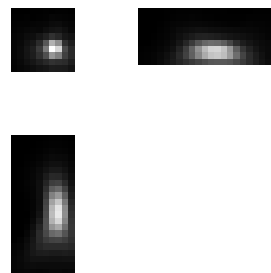
Date : Thu Jul 14 17:13:15 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : -19.5 μm (x), 26.9 μm (y), 1.29 μm (z)

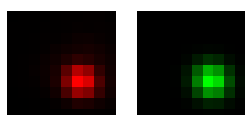
Corresponding bead : Not found



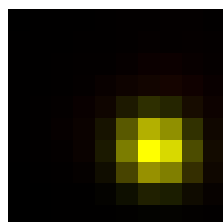
FWHM	Non corrected	Corrected	Theoretical
min	279 nm	285 nm	190 nm
max	294 nm	300 nm	190 nm
z	736 nm	737 nm	642 nm
Asymmetry	0.949		
Theta	-25.0°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.993$



Parameters:

A = 15128.469 (brightness)

B = 332.015 (background)

a = 0.441 px

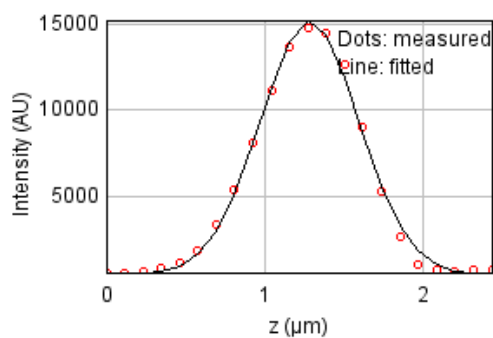
b = -0.018 px

c = 0.472 px

$x_c = 6.308$ px

$y_c = 5.909$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 2798333.88

Standard deviation: 365.03972

R^2 : 0.99527

Parameters:

a = 475.73945

b = 15230.9319

c = 1.28685

d = 0.31249

Bead 11

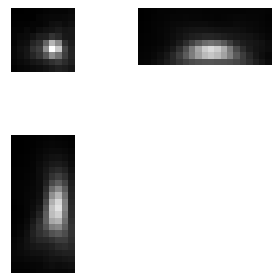
Date : Thu Jul 14 17:13:15 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : 42.3 μm (x), -5.78 μm (y), 1.22 μm (z)

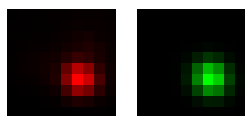
Corresponding bead : Not found



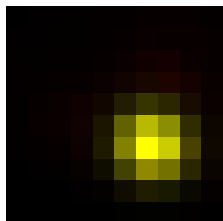
FWHM	Non corrected	Corrected	Theoretical
min	277 nm	283 nm	190 nm
max	291 nm	297 nm	190 nm
z	751 nm	753 nm	642 nm
Asymmetry	0.952		
Theta	-32.8°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.988$



Parameters:

$A = 10753.768$ (brightness)

$B = 356.252$ (background)

$a = 0.455$ px

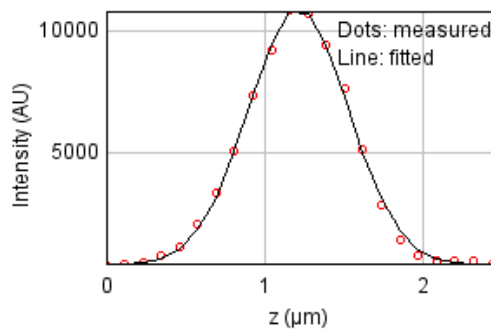
$b = -0.021$ px

$c = 0.473$ px

$x_c = 6.242$ px

$y_c = 5.850$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 627524.170

Standard deviation: 172.86441

$R^2: 0.99790$

Parameters:

$a = 429.74632$

$b = 10910.7710$

$c = 1.21607$

$d = 0.31902$

Bead 12

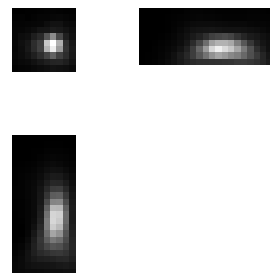
Date : Thu Jul 14 17:13:15 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : 8.46 μm (x), -10.5 μm (y), 1.41 μm (z)

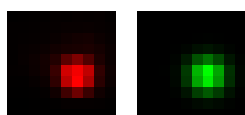
Corresponding bead : Not found



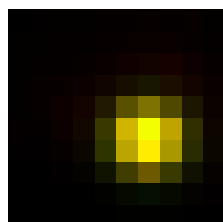
FWHM	Non corrected	Corrected	Theoretical
min	289 nm	295 nm	190 nm
max	306 nm	313 nm	190 nm
z	731 nm	732 nm	642 nm
Asymmetry	0.943		
Theta	-5.1°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.985$



Parameters:

$A = 13421.032$ (brightness)

$B = 316.144$ (background)

$a = 0.398$ px

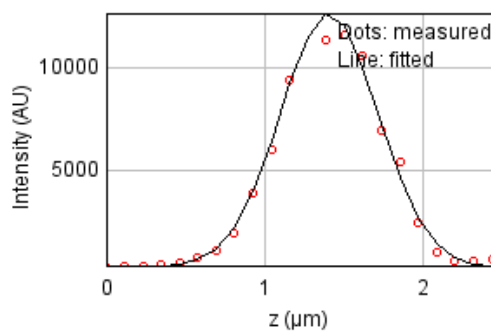
$b = -0.004$ px

$c = 0.446$ px

$x_c = 5.943$ px

$y_c = 5.409$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 5292073.32

Standard deviation: 501.99949

$R^2: 0.98718$

Parameters:

$a = 374.66956$

$b = 12662.8453$

$c = 1.40934$

$d = 0.31024$

Bead 13

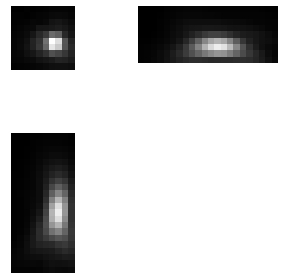
Date : Thu Jul 14 17:13:15 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : 36.8 μm (x), -25.6 μm (y), 1.33 μm (z)

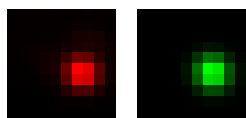
Corresponding bead : Not found



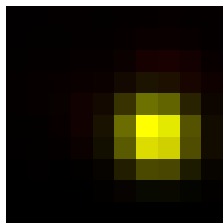
FWHM	Non corrected	Corrected	Theoretical
min	275 nm	280 nm	190 nm
max	285 nm	291 nm	190 nm
z	676 nm	678 nm	642 nm
Asymmetry	0.962		
Theta	-34.5°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.990$



Parameters:

$A = 8207.963$ (brightness)

$B = 270.285$ (background)

$a = 0.470$ px

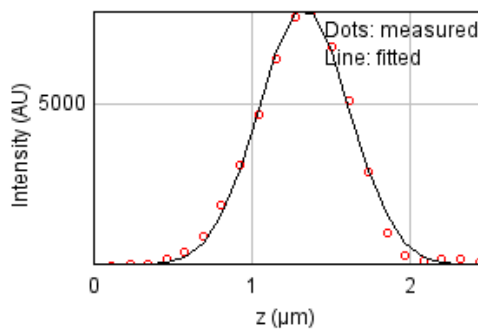
$b = -0.017$ px

$c = 0.483$ px

$x_c = 6.416$ px

$y_c = 5.358$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 810576.408

Standard deviation: 196.46597

$R^2: 0.99445$

Parameters:

$a = 362.26267$

$b = 7783.43275$

$c = 1.33311$

$d = 0.28728$

Bead 14

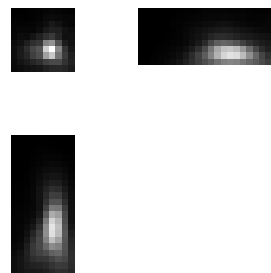
Date : Thu Jul 14 17:13:15 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : 56.2 um (x), 29.3 um (y), 1.57 um (z)

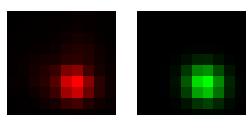
Corresponding bead : Not found



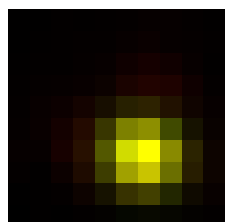
FWHM	Non corrected	Corrected	Theoretical
min	293 nm	299 nm	190 nm
max	316 nm	323 nm	190 nm
z	760 nm	761 nm	642 nm
Asymmetry	0.926		
Theta	-23.8°		

XY profile & fitting parameters :

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



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



Parameters:

A = 5594.148 (brightness)

B = 275.187 (background)

a = 0.383 px

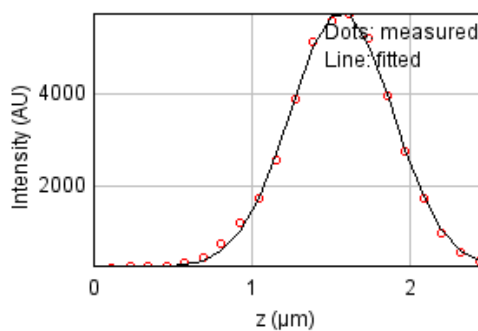
b = -0.023 px

c = 0.425 px

$x_c = 5.709$ px

$y_c = 6.168$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 177643.884

Standard deviation: 91.97409

R^2 : 0.99794

Parameters:

a = 229.13583

b = 5848.06925

c = 1.56912

d = 0.32266

Bead 15

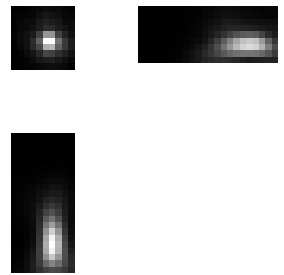
Date : Thu Jul 14 17:13:16 PDT 2022

Origin : data05_traditional.tif (100x1.35 Sil)

Frame size : 10 pixels

Coordinates : -54.7 μm (x), 45.6 μm (y), 1.89 μm (z)

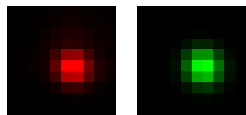
Corresponding bead : Not found



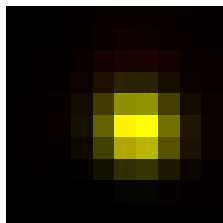
FWHM	Non corrected	Corrected	Theoretical
min	285 nm	291 nm	190 nm
max	296 nm	303 nm	190 nm
z	759 nm	760 nm	642 nm
Asymmetry	0.96		
Theta	-31.7°		

XY profile & fitting parameters :

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



Fitted on $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$
 $R^2 = 0.988$



Parameters:

$A = 5343.399$ (brightness)

$B = 206.068$ (background)

$a = 0.435$ px

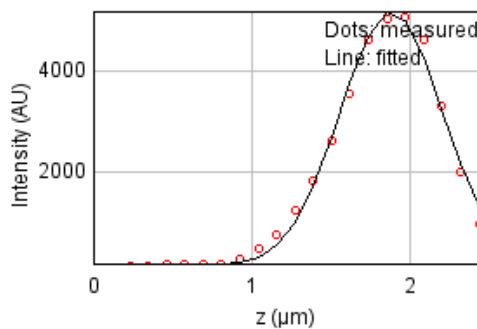
$b = -0.016$ px

$c = 0.451$ px

$x_c = 5.563$ px

$y_c = 5.099$ px

Z profile & fitting parameters:



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

Sum of residuals squared: 506915.985

Standard deviation: 155.36684

$R^2: 0.99290$

Parameters:

$a = 186.60305$

$b = 5193.39089$

$c = 1.88580$

$d = 0.32225$