Bead 1201

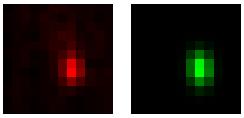
Date : Mon Oct 17 13:51:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

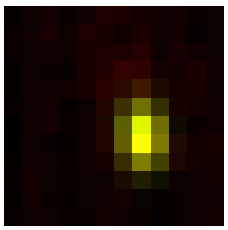
Coordinates : 84.9 um (x), 24.4 um (y), 23.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	605 nm	630 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.65		
Theta	-86.3°		

XY profile & fitting parameters :

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

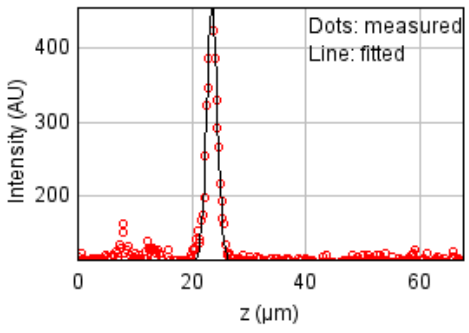




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.937

Parameters:
A = 355.276 (brightness)
B = 119.970 (background)
a = 0.867 px
b = -0.033 px
c = 0.369 px
xc = 7.056 px
yc = 6.555 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25932.9568
Standard deviation: 9.19087
R^2: 0.96971
Parameters:
a = 114.50328
b = 455.42424
c = 23.63660
d = 0.93194

Bead 1202

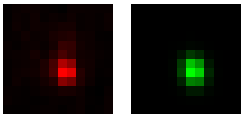
Date : Mon Oct 17 13:51:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

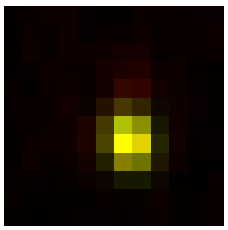
Coordinates : -28.3 um (x), -19.7 um (y), 24.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	529 nm	551 nm	270 nm
z	2.14 um	2.15 um	1.3 um
Asymmetry	0.789		
Theta	-79.7°		

XY profile & fitting parameters :

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

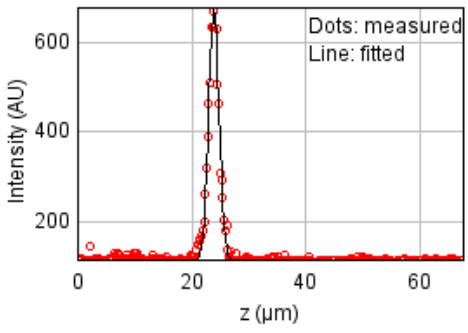




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 569.391 (brightness)
B = 123.241 (background)
a = 0.761 px
b = -0.051 px
c = 0.488 px
xc = 6.359 px
yc = 6.824 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37976.8186
Standard deviation: 11.12218
R^2: 0.98304
Parameters:
a = 114.72474
b = 675.87097
c = 23.95839
d = 0.91088

Bead 1203

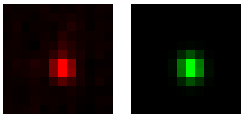
Date : Mon Oct 17 13:51:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

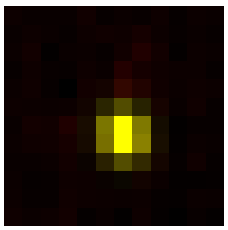
Coordinates : -144 um (x), -26.0 um (y), 23.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	438 nm	270 nm
max	475 nm	495 nm	270 nm
z	2.39 um	2.4 um	1.3 um
Asymmetry	0.884		
Theta	-79.3°		

XY profile & fitting parameters :

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

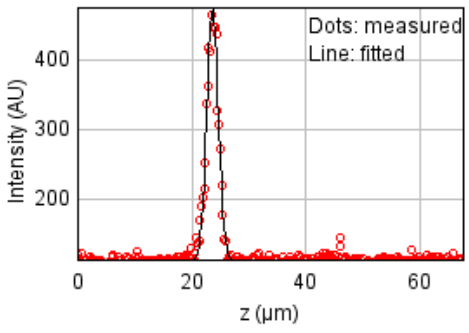




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 431.273 (brightness)
B = 119.516 (background)
a = 0.754 px
b = -0.030 px
c = 0.600 px
xc = 6.030 px
yc = 6.503 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17847.7952
Standard deviation: 7.62471
R^2: 0.98276
Parameters:
a = 111.73054
b = 474.18803
c = 23.73073
d = 1.01507

Bead 1204

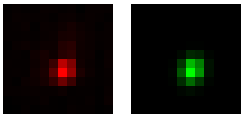
Date : Mon Oct 17 13:51:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

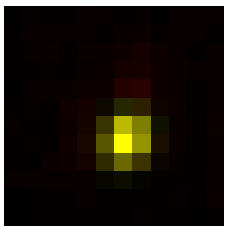
Coordinates : -82.5 um (x), -27.6 um (y), 24.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.826		
Theta	69.0°		

XY profile & fitting parameters :

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

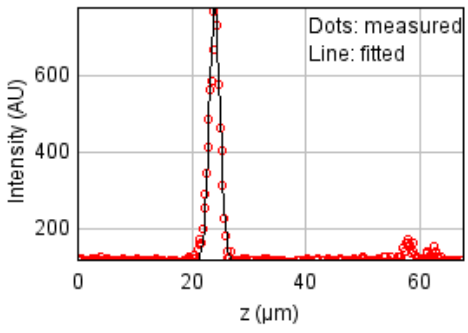




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 751.463 (brightness)
B = 124.877 (background)
a = 0.817 px
b = 0.091 px
c = 0.616 px
xc = 6.188 px
yc = 6.739 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 71549.1231
Standard deviation: 15.26627
R^2: 0.97771
Parameters:
a = 116.23602
b = 779.24741
c = 24.10357
d = 0.93144

Bead 1205

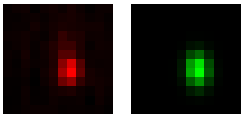
Date : Mon Oct 17 13:51:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

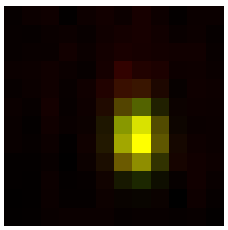
Coordinates : 117 um (x), -27.3 um (y), 24.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	440 nm	270 nm
max	617 nm	642 nm	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.685		
Theta	-87.9°		

XY profile & fitting parameters :

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

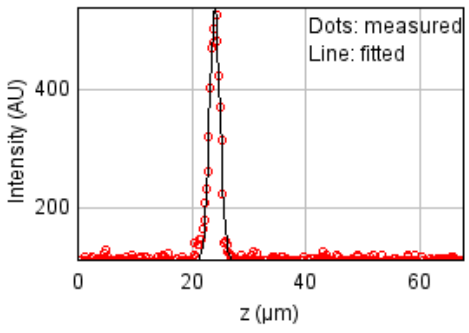




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 454.005 (brightness)
B = 119.851 (background)
a = 0.753 px
b = -0.014 px
c = 0.354 px
xc = 6.777 px
yc = 6.662 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22791.8626
Standard deviation: 8.61630
R^2: 0.98226
Parameters:
a = 112.65839
b = 538.55125
c = 24.12238
d = 0.90638

Bead 1206

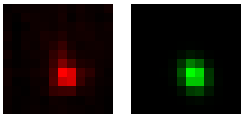
Date : Mon Oct 17 13:51:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

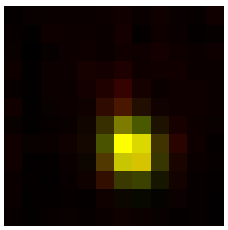
Coordinates : 98.9 um (x), -29.7 um (y), 24.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	445 nm	464 nm	270 nm
max	539 nm	561 nm	270 nm
z	2.0 um	2.0 um	1.3 um
Asymmetry	0.827		
Theta	-66.8°		

XY profile & fitting parameters :

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

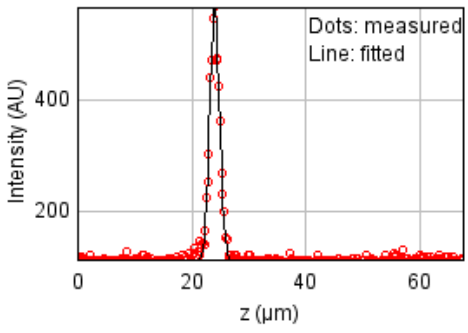




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 514.586 (brightness)
B = 120.242 (background)
a = 0.644 px
b = -0.078 px
c = 0.496 px
xc = 6.407 px
yc = 7.307 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22686.1622
Standard deviation: 8.59630
R^2: 0.98344
Parameters:
a = 113.10631
b = 567.39848
c = 24.10008
d = 0.84760

Bead 1207

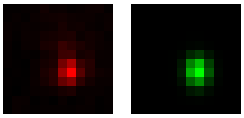
Date : Mon Oct 17 13:51:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

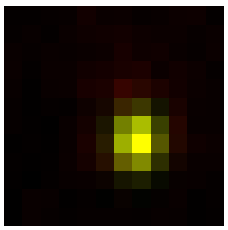
Coordinates : 60.4 um (x), -45.0 um (y), 24.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	429 nm	446 nm	270 nm
max	540 nm	562 nm	270 nm
z	2.01 um	2.02 um	1.3 um
Asymmetry	0.794		
Theta	89.6°		

XY profile & fitting parameters :

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

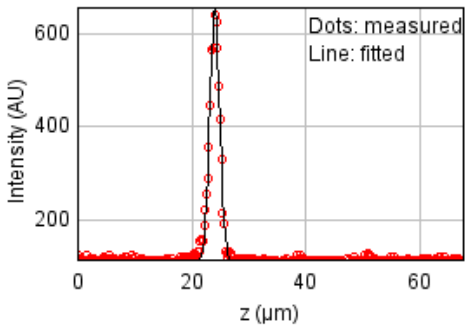




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.940

Parameters:
A = 511.384 (brightness)
B = 123.124 (background)
a = 0.730 px
b = 0.002 px
c = 0.461 px
xc = 6.761 px
yc = 6.830 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25094.8134
Standard deviation: 9.04113
R^2: 0.98736
Parameters:
a = 112.71185
b = 658.89349
c = 24.11444
d = 0.85340

Bead 1208

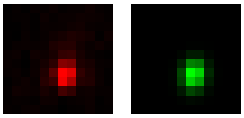
Date : Mon Oct 17 13:51:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

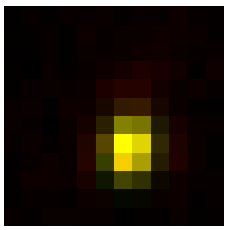
Coordinates : -17.1 um (x), -53.0 um (y), 24.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	550 nm	573 nm	270 nm
z	2.2 um	2.21 um	1.3 um
Asymmetry	0.77		
Theta	82.2°		

XY profile & fitting parameters :

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

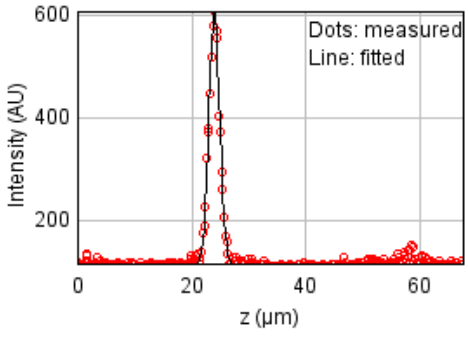




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 583.188 (brightness)
B = 123.394 (background)
a = 0.743 px
b = 0.041 px
c = 0.449 px
xc = 6.363 px
yc = 7.231 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31903.4973
Standard deviation: 10.19413
R^2: 0.98195
Parameters:
a = 115.49829
b = 607.36502
c = 24.03595
d = 0.93635

Bead 1209

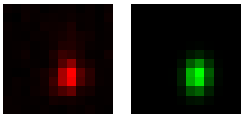
Date : Mon Oct 17 13:51:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

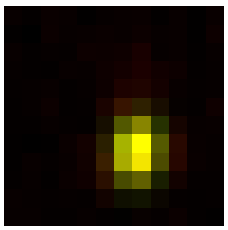
Coordinates : 24.1 um (x), -55.9 um (y), 24.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	436 nm	454 nm	270 nm
max	595 nm	619 nm	270 nm
z	1.8 um	1.81 um	1.3 um
Asymmetry	0.734		
Theta	84.8°		

XY profile & fitting parameters :

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

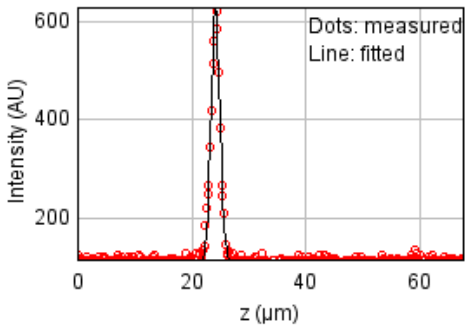




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 601.025 (brightness)
B = 124.838 (background)
a = 0.702 px
b = 0.030 px
c = 0.382 px
xc = 6.737 px
yc = 7.379 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26393.0087
Standard deviation: 9.27204
R^2: 0.98357
Parameters:
a = 113.46081
b = 630.66751
c = 24.25263
d = 0.76347

Bead 1210

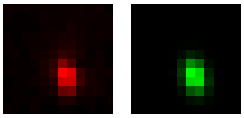
Date : Mon Oct 17 13:51:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

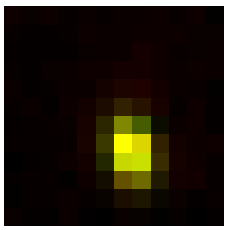
Coordinates : 71.6 um (x), -73.5 um (y), 24.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	600 nm	625 nm	270 nm
z	1.88 um	1.89 um	1.3 um
Asymmetry	0.657		
Theta	-76.6°		

XY profile & fitting parameters :

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

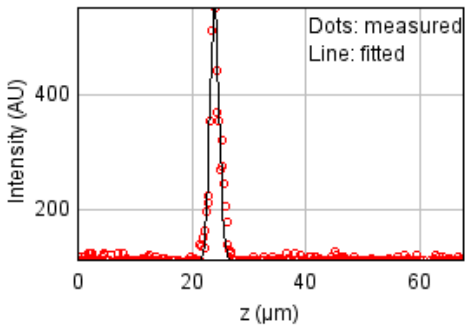




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 608.285 (brightness)
B = 122.880 (background)
a = 0.838 px
b = -0.111 px
c = 0.399 px
xc = 6.446 px
yc = 7.407 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 90098.0047
Standard deviation: 17.13122
R^2: 0.92981
Parameters:
a = 114.07665
b = 554.06744
c = 24.08271
d = 0.79858

Bead 1211

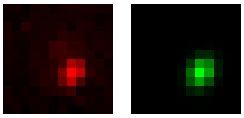
Date : Mon Oct 17 13:51:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

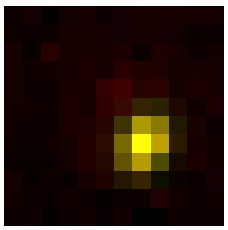
Coordinates : 127 um (x), -93.8 um (y), 23.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	551 nm	574 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.775		
Theta	62.8°		

XY profile & fitting parameters :

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

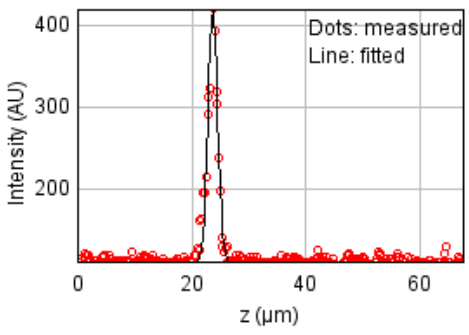




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.924

Parameters:
A = 323.383 (brightness)
B = 118.890 (background)
a = 0.674 px
b = 0.120 px
c = 0.503 px
xc = 7.158 px
yc = 6.969 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27250.6154
Standard deviation: 9.42148
R^2: 0.95773
Parameters:
a = 111.48284
b = 419.28386
c = 23.77720
d = 0.84639

Bead 1212 (Rejected)

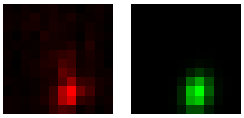
Date : Mon Oct 17 13:51:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

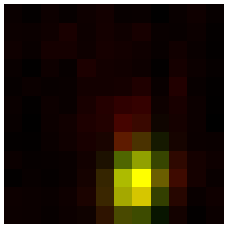
Coordinates : 62.0 um (x), 64.5 um (y), 21.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	465 nm	270 nm
max	627 nm	653 nm	270 nm
z	3.95 um	3.97 um	1.3 um
Asymmetry	0.712		
Theta	76.8°		

XY profile & fitting parameters :

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

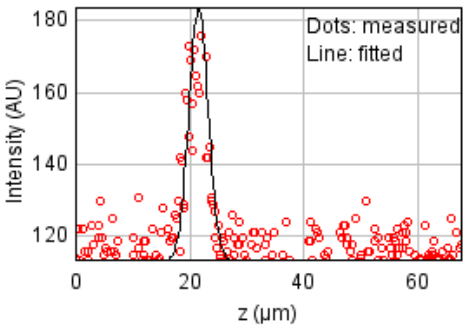




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.887

Parameters:
A = 282.010 (brightness)
B = 122.270 (background)
a = 0.656 px
b = 0.074 px
c = 0.359 px
xc = 6.716 px
yc = 9.200 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19681.5540
Standard deviation: 8.00683
R^2: 0.75632
Parameters:
a = 113.22179
b = 183.59613
c = 21.62968
d = 1.67827

Bead 1213

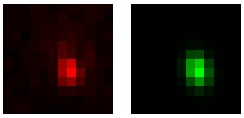
Date : Mon Oct 17 13:51:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

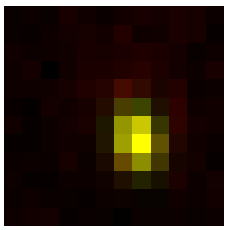
Coordinates : 56.5 um (x), 49.2 um (y), 23.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	421 nm	270 nm
max	580 nm	604 nm	270 nm
z	2.08 um	2.09 um	1.3 um
Asymmetry	0.698		
Theta	-77.4°		

XY profile & fitting parameters :

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

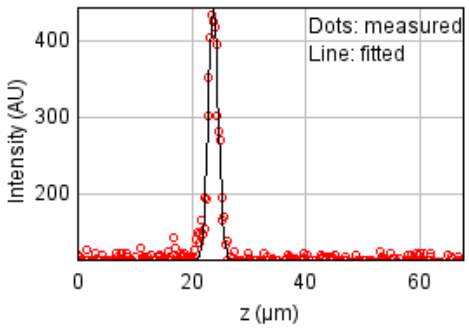




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.930

Parameters:
A = 315.496 (brightness)
B = 122.458 (background)
a = 0.800 px
b = -0.089 px
c = 0.419 px
xc = 6.763 px
yc = 6.739 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22613.0408
Standard deviation: 8.58243
R^2: 0.97079
Parameters:
a = 113.82641
b = 446.76981
c = 23.86521
d = 0.88216

Bead 1214

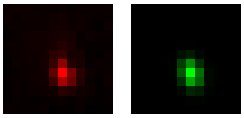
Date : Mon Oct 17 13:51:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

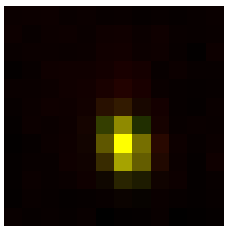
Coordinates : 14.8 um (x), 24.3 um (y), 24.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	367 nm	382 nm	270 nm
max	523 nm	544 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.702		
Theta	-73.6°		

XY profile & fitting parameters :

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

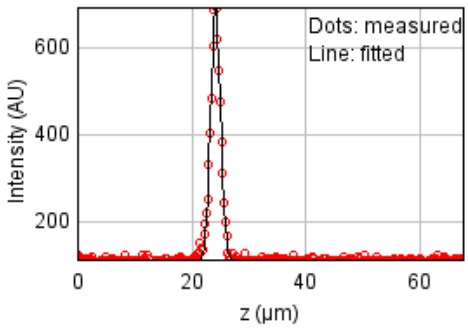




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 581.531 (brightness)
B = 125.428 (background)
a = 0.955 px
b = -0.137 px
c = 0.531 px
xc = 6.079 px
yc = 7.099 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17848.1219
Standard deviation: 7.62478
R^2: 0.99195
Parameters:
a = 113.62746
b = 693.35437
c = 24.26496
d = 0.85004

Bead 1215

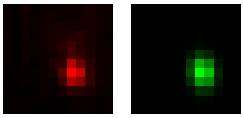
Date : Mon Oct 17 13:51:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

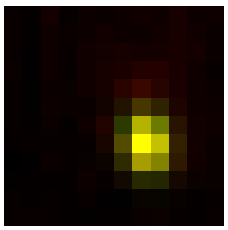
Coordinates : 122 um (x), 21.0 um (y), 24.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	438 nm	270 nm
max	568 nm	592 nm	270 nm
z	2.28 um	2.29 um	1.3 um
Asymmetry	0.74		
Theta	-82.0°		

XY profile & fitting parameters :

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

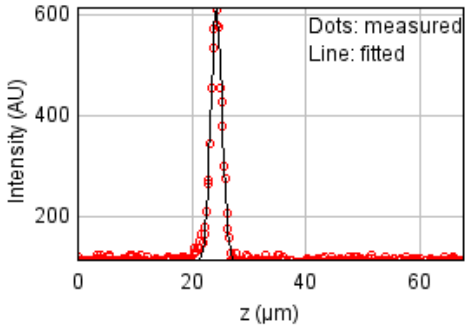




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 516.602 (brightness)
B = 123.108 (background)
a = 0.753 px
b = -0.048 px
c = 0.422 px
xc = 7.313 px
yc = 6.956 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26175.2011
Standard deviation: 9.23370
R^2: 0.98618
Parameters:
a = 111.75719
b = 614.19895
c = 24.39889
d = 0.96717

Bead 1216

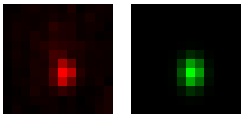
Date : Mon Oct 17 13:51:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

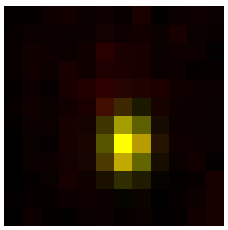
Coordinates : 140 um (x), 321 nm (y), 24.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	546 nm	569 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.75		
Theta	89.3°		

XY profile & fitting parameters :

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

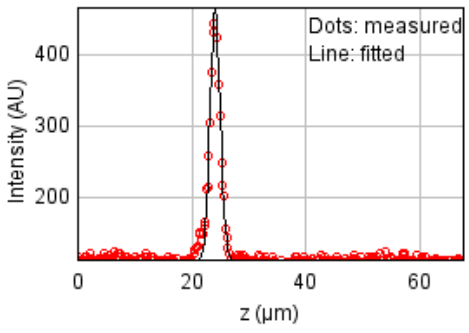




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.932

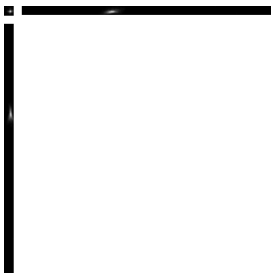
Parameters:
A = 390.796 (brightness)
B = 119.754 (background)
a = 0.798 px
b = 0.004 px
c = 0.450 px
xc = 6.185 px
yc = 7.039 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18100.8995
Standard deviation: 7.67858
R^2: 0.97905
Parameters:
a = 111.82317
b = 466.70116
c = 24.18802
d = 0.87364

Bead 1217



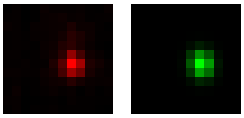
Date : Mon Oct 17 13:51:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

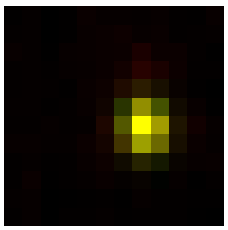
Coordinates : -18.7 um (x), -55.3 um (y), 24.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	507 nm	528 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.817		
Theta	-83.6°		

XY profile & fitting parameters :

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

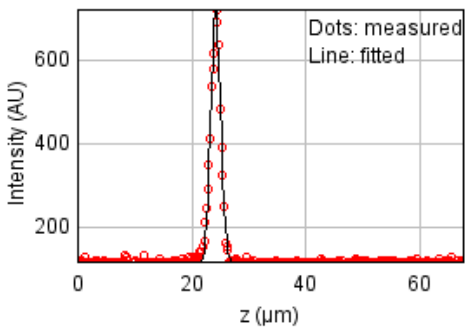




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 666.217 (brightness)
B = 121.918 (background)
a = 0.779 px
b = -0.029 px
c = 0.526 px
xc = 7.188 px
yc = 6.066 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29499.1866
Standard deviation: 9.80248
R^2: 0.98807
Parameters:
a = 114.14368
b = 725.24468
c = 24.28355
d = 0.85006

Bead 1218

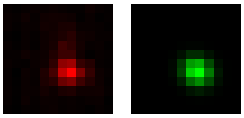
Date : Mon Oct 17 13:51:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

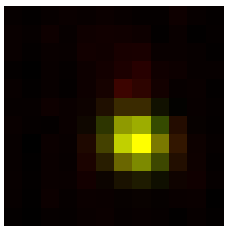
Coordinates : 30.5 um (x), -72.9 um (y), 24.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	499 nm	520 nm	270 nm
max	551 nm	574 nm	270 nm
z	1.93 um	1.94 um	1.3 um
Asymmetry	0.905		
Theta	-37.0°		

XY profile & fitting parameters :

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

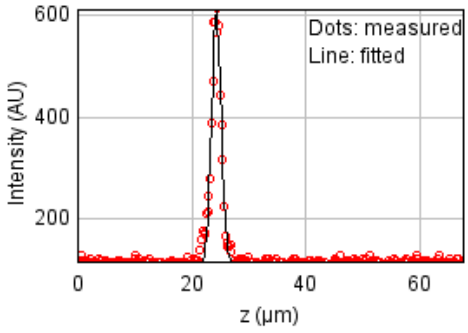




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 436.065 (brightness)
B = 121.702 (background)
a = 0.477 px
b = -0.047 px
c = 0.504 px
xc = 6.701 px
yc = 6.859 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33586.0376
Standard deviation: 10.45948
R^2: 0.97894
Parameters:
a = 114.08972
b = 611.24939
c = 24.40102
d = 0.81902

Bead 1219

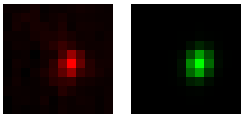
Date : Mon Oct 17 13:51:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

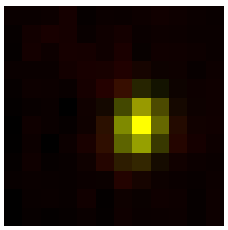
Coordinates : 143 um (x), -74.7 um (y), 24.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	434 nm	270 nm
max	536 nm	558 nm	270 nm
z	1.39 um	1.39 um	1.3 um
Asymmetry	0.777		
Theta	75.7°		

XY profile & fitting parameters :

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

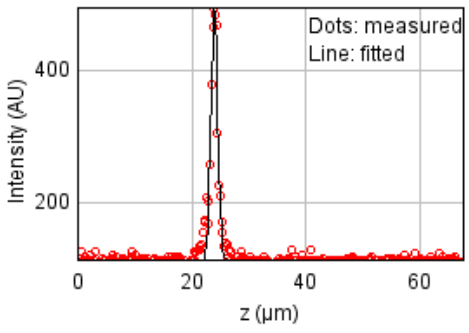




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.941

Parameters:
A = 359.581 (brightness)
B = 118.392 (background)
a = 0.755 px
b = 0.074 px
c = 0.486 px
xc = 6.904 px
yc = 6.032 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38889.1572
Standard deviation: 11.25499
R^2: 0.94688
Parameters:
a = 111.41961
b = 499.61447
c = 24.05008
d = 0.58914

Bead 1220 (Rejected)

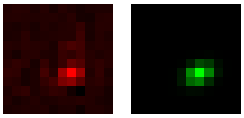
Date : Mon Oct 17 13:51:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

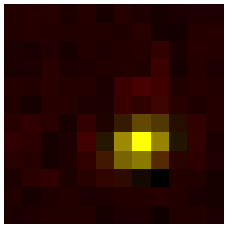
Coordinates : -90.7 um (x), -84.0 um (y), 24.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	349 nm	364 nm	270 nm
max	497 nm	518 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.703		
Theta	24.5°		

XY profile & fitting parameters :

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

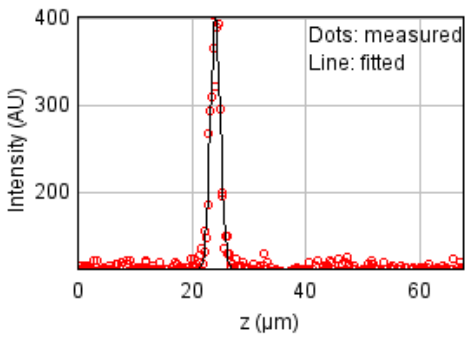




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.880

Parameters:
A = 212.185 (brightness)
B = 117.252 (background)
a = 0.639 px
b = 0.210 px
c = 1.003 px
xc = 6.930 px
yc = 7.148 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29496.3509
Standard deviation: 9.80201
R^2: 0.94988
Parameters:
a = 113.09961
b = 402.79706
c = 24.22627
d = 0.86596

Bead 1221 (Rejected)

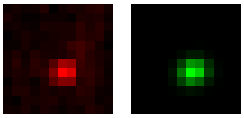
Date : Mon Oct 17 13:51:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

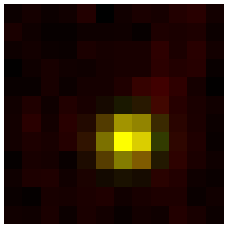
Coordinates : 162 um (x), -87.0 um (y), 23.6 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	455 nm	474 nm	270 nm
max	520 nm	542 nm	270 nm
z	2.61 um	2.62 um	1.3 um
Asymmetry	0.875		
Theta	19.6°		

XY profile & fitting parameters :

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

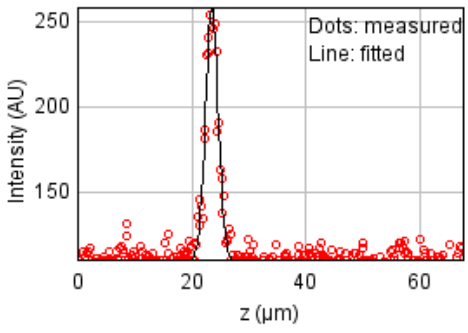




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.894

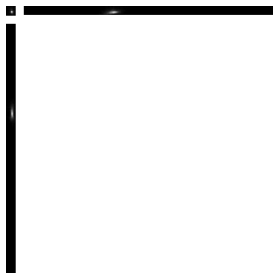
Parameters:
A = 144.318 (brightness)
B = 112.872 (background)
a = 0.513 px
b = 0.048 px
c = 0.631 px
xc = 6.300 px
yc = 6.908 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 13433.2686
Standard deviation: 6.61488
R^2: 0.93289
Parameters:
a = 109.66340
b = 258.72150
c = 23.60894
d = 1.10736

Bead 1222



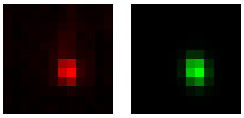
Date : Mon Oct 17 13:51:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

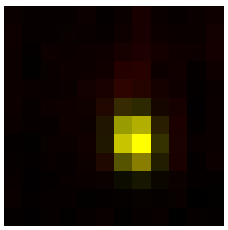
Coordinates : -108 um (x), 84.6 um (y), 24.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	389 nm	270 nm
max	504 nm	525 nm	270 nm
z	2.1 um	2.1 um	1.3 um
Asymmetry	0.741		
Theta	-80.2°		

XY profile & fitting parameters :

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

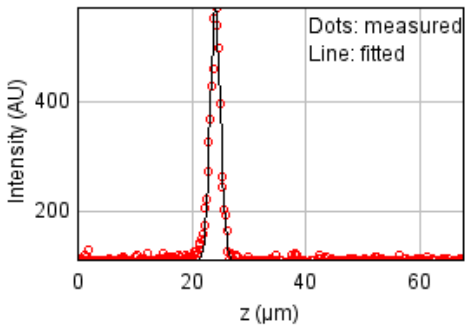




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

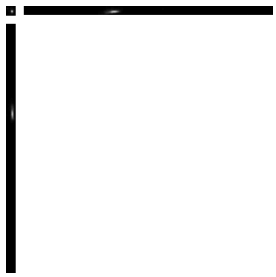
Parameters:
A = 560.950 (brightness)
B = 123.406 (background)
a = 0.948 px
b = -0.073 px
c = 0.540 px
xc = 6.624 px
yc = 6.798 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28693.8717
Standard deviation: 9.66775
R^2: 0.98050
Parameters:
a = 112.27998
b = 571.72032
c = 24.21272
d = 0.88978

Bead 1223



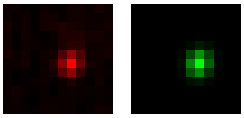
Date : Mon Oct 17 13:52:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

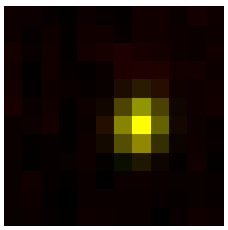
Coordinates : -128 um (x), 72.9 um (y), 24.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	420 nm	270 nm
max	485 nm	506 nm	270 nm
z	2.23 um	2.24 um	1.3 um
Asymmetry	0.831		
Theta	75.7°		

XY profile & fitting parameters :

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

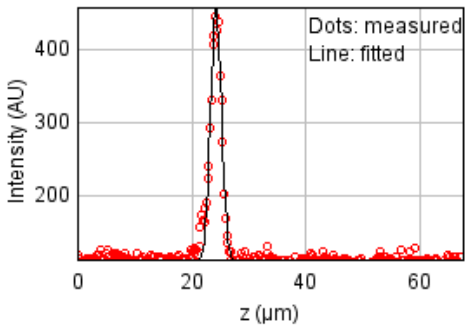




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

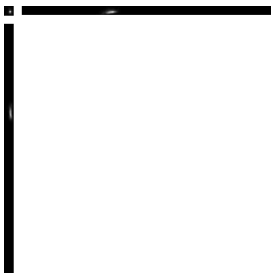
Parameters:
A = 362.094 (brightness)
B = 119.631 (background)
a = 0.808 px
b = 0.061 px
c = 0.585 px
xc = 6.912 px
yc = 5.968 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26017.2604
Standard deviation: 9.20580
R^2: 0.97116
Parameters:
a = 111.90533
b = 459.62435
c = 24.33640
d = 0.94607

Bead 1224



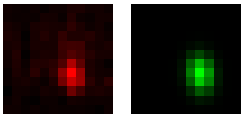
Date : Mon Oct 17 13:52:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

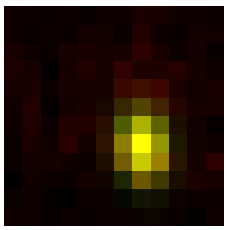
Coordinates : -83.8 um (x), 71.4 um (y), 23.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	459 nm	478 nm	270 nm
max	674 nm	702 nm	270 nm
z	2.61 um	2.62 um	1.3 um
Asymmetry	0.681		
Theta	-83.8°		

XY profile & fitting parameters :

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

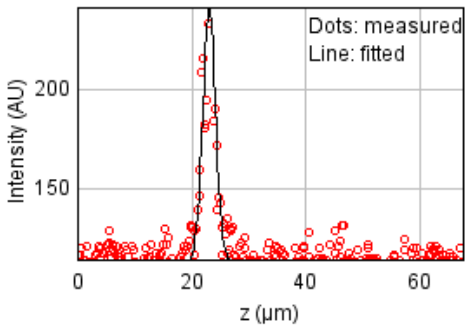




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.915

Parameters:
A = 241.621 (brightness)
B = 120.225 (background)
a = 0.632 px
b = -0.037 px
c = 0.299 px
xc = 7.077 px
yc = 7.113 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21473.4836
Standard deviation: 8.36338
R^2: 0.86492
Parameters:
a = 113.70586
b = 241.48199
c = 23.13633
d = 1.10973

Bead 1225

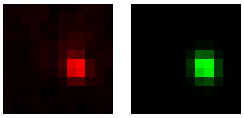
Date : Mon Oct 17 13:52:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

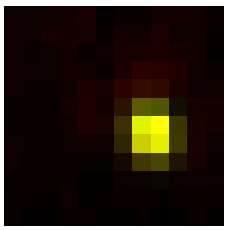
Coordinates : -44.5 um (x), 46.2 um (y), 24.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	423 nm	270 nm
max	486 nm	506 nm	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.835		
Theta	-76.9°		

XY profile & fitting parameters :

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

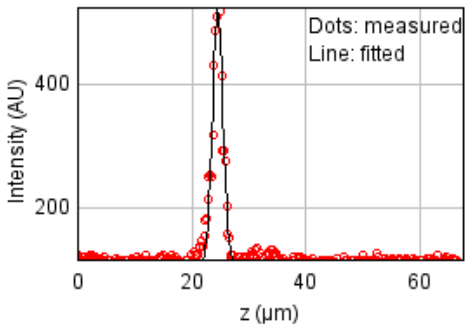




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 554.776 (brightness)
B = 126.092 (background)
a = 0.801 px
b = -0.054 px
c = 0.580 px
xc = 7.555 px
yc = 6.402 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37490.7008
Standard deviation: 11.05077
R^2: 0.96812
Parameters:
a = 114.99151
b = 523.42805
c = 24.62445
d = 0.88826

Bead 1226

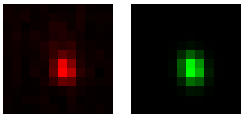
Date : Mon Oct 17 13:52:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

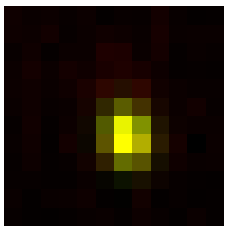
Coordinates : -9.63 um (x), 14.7 um (y), 24.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	438 nm	270 nm
max	549 nm	572 nm	270 nm
z	2.3 um	2.31 um	1.3 um
Asymmetry	0.765		
Theta	-78.3°		

XY profile & fitting parameters :

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

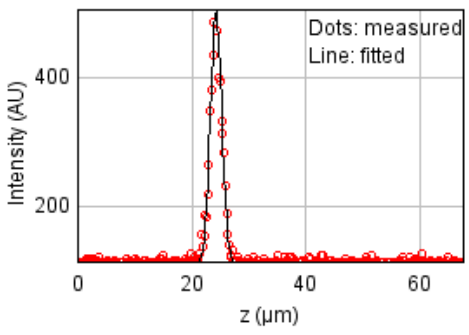




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 446.375 (brightness)
B = 121.578 (background)
a = 0.747 px
b = -0.063 px
c = 0.458 px
xc = 6.210 px
yc = 6.584 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20177.2889
Standard deviation: 8.10704
R^2: 0.98272
Parameters:
a = 113.68712
b = 505.94827
c = 24.34419
d = 0.97562

Bead 1227

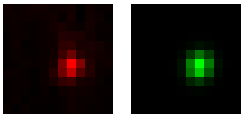
Date : Mon Oct 17 13:52:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

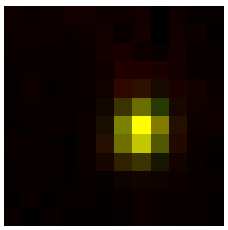
Coordinates : 62.9 um (x), 7.53 um (y), 24.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	431 nm	449 nm	270 nm
max	502 nm	523 nm	270 nm
z	1.77 um	1.78 um	1.3 um
Asymmetry	0.859		
Theta	75.3°		

XY profile & fitting parameters :

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

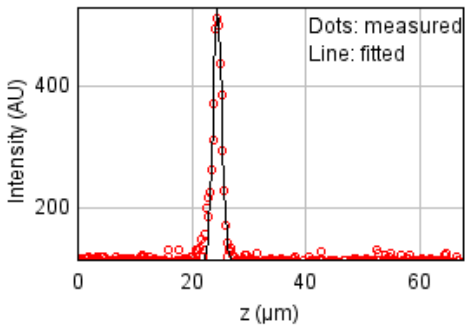




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

Parameters:
A = 461.944 (brightness)
B = 118.061 (background)
a = 0.710 px
b = 0.046 px
c = 0.545 px
xc = 6.958 px
yc = 6.277 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31946.6851
Standard deviation: 10.20102
R^2: 0.96966
Parameters:
a = 113.67787
b = 532.37944
c = 24.57645
d = 0.75257

Bead 1228

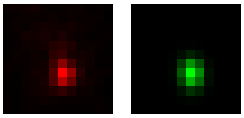
Date : Mon Oct 17 13:52:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

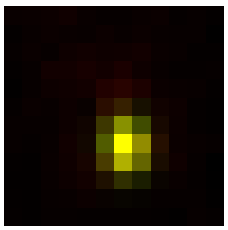
Coordinates : 52.8 um (x), -20.4 um (y), 24.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	423 nm	270 nm
max	535 nm	557 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.759		
Theta	-85.8°		

XY profile & fitting parameters :

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

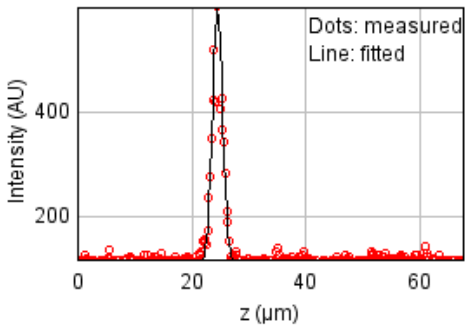




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 582.807 (brightness)
B = 123.305 (background)
a = 0.811 px
b = -0.025 px
c = 0.471 px
xc = 6.132 px
yc = 7.110 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 74212.4509
Standard deviation: 15.54781
R^2: 0.95455
Parameters:
a = 116.00465
b = 599.43193
c = 24.59600
d = 0.86720

Bead 1229 (Rejected)

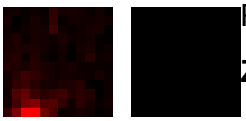
Date : Mon Oct 17 13:52:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 65.3 um (x), -30.0 um (y), 7.67 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.29 um	3.3 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

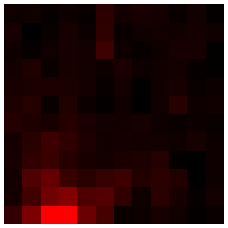
XY profile & fitting parameters :

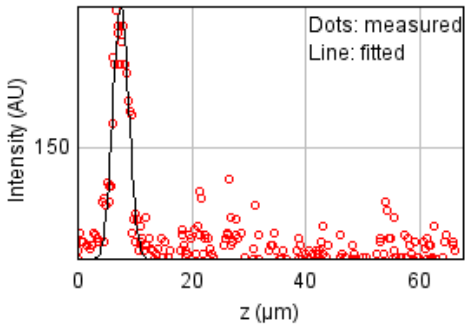
(red : the orignal data, green : the fit, yellow : the two merged)



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

Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15192.9731
Standard deviation: 7.03481
R^2: 0.81825
Parameters:
a = 114.14269
b = 195.10385
c = 7.66560
d = 1.39742

Bead 1230

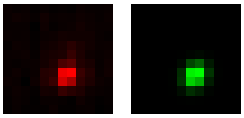
Date : Mon Oct 17 13:52:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

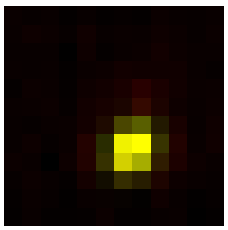
Coordinates : -66.8 um (x), -36.9 um (y), 24.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	465 nm	484 nm	270 nm
z	2.28 um	2.29 um	1.3 um
Asymmetry	0.833		
Theta	58.9°		

XY profile & fitting parameters :

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

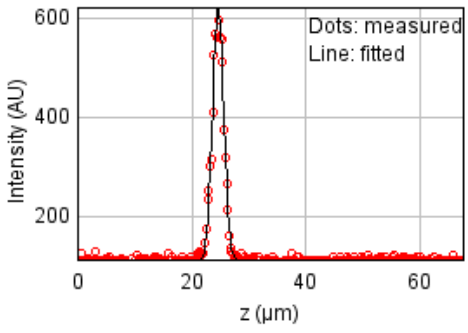




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 650.637 (brightness)
B = 124.683 (background)
a = 0.821 px
b = 0.121 px
c = 0.693 px
xc = 6.489 px
yc = 7.307 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22852.2695
Standard deviation: 8.62771
R^2: 0.98822
Parameters:
a = 112.54424
b = 621.03931
c = 24.69600
d = 0.96940

Bead 1231

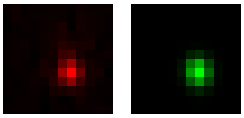
Date : Mon Oct 17 13:52:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

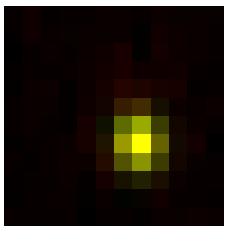
Coordinates : 5.47 um (x), -49.8 um (y), 24.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	442 nm	270 nm
max	530 nm	552 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.801		
Theta	-83.9°		

XY profile & fitting parameters :

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

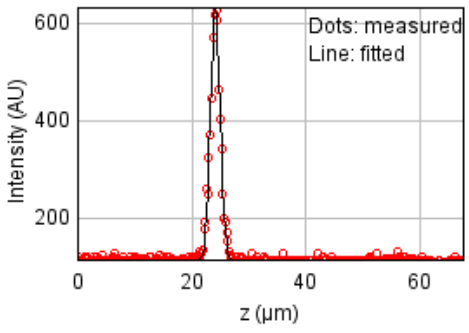




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 484.138 (brightness)
B = 122.018 (background)
a = 0.741 px
b = -0.028 px
c = 0.480 px
xc = 6.845 px
yc = 6.914 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26947.2322
Standard deviation: 9.36888
R^2: 0.98472
Parameters:
a = 114.50421
b = 631.19354
c = 24.21308
d = 0.84503

Bead 1232

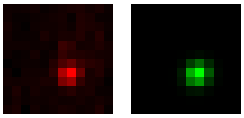
Date : Mon Oct 17 13:52:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

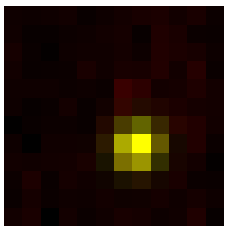
Coordinates : -145 um (x), -52.1 um (y), 24.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	445 nm	463 nm	270 nm
z	1.91 um	1.92 um	1.3 um
Asymmetry	0.927		
Theta	44.8°		

XY profile & fitting parameters :

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

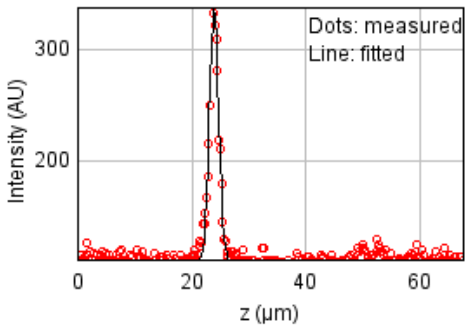




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.923

Parameters:
A = 225.694 (brightness)
B = 116.072 (background)
a = 0.735 px
b = 0.056 px
c = 0.735 px
xc = 6.764 px
yc = 7.153 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14833.8212
Standard deviation: 6.95116
R^2: 0.95553
Parameters:
a = 111.83594
b = 337.65489
c = 23.99551
d = 0.81018

Bead 1233

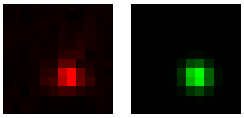
Date : Mon Oct 17 13:52:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

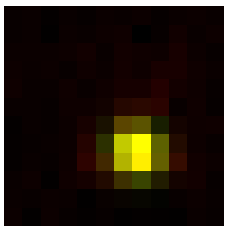
Coordinates : -48.0 um (x), -54.8 um (y), 24.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	464 nm	483 nm	270 nm
max	485 nm	505 nm	270 nm
z	1.97 um	1.98 um	1.3 um
Asymmetry	0.955		
Theta	-46.6°		

XY profile & fitting parameters :

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

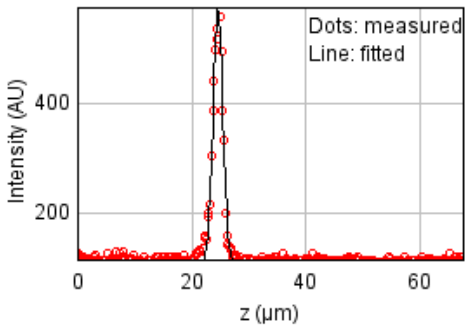




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 467.121 (brightness)
B = 122.591 (background)
a = 0.599 px
b = -0.027 px
c = 0.596 px
xc = 6.715 px
yc = 7.430 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28671.7002
Standard deviation: 9.66401
R^2: 0.97961
Parameters:
a = 112.61944
b = 575.25271
c = 24.66664
d = 0.83553

Bead 1234

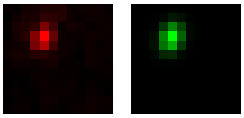
Date : Mon Oct 17 13:52:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

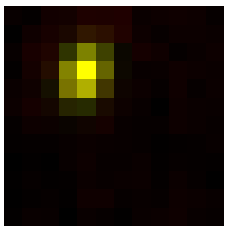
Coordinates : -111 um (x), -56.0 um (y), 4.67 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	414 nm	270 nm
max	530 nm	552 nm	270 nm
z	2.21 um	2.22 um	1.3 um
Asymmetry	0.75		
Theta	69.0°		

XY profile & fitting parameters :

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

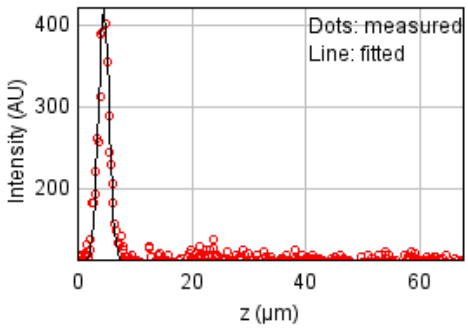




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 349.347 (brightness)
B = 117.127 (background)
a = 0.801 px
b = 0.124 px
c = 0.525 px
xc = 3.890 px
yc = 3.169 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26597.5993
Standard deviation: 9.30791
R^2: 0.96245
Parameters:
a = 113.52250
b = 421.35366
c = 4.66638
d = 0.93919

Bead 1235

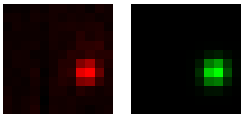
Date : Mon Oct 17 13:52:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

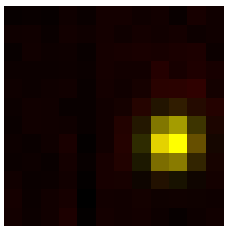
Coordinates : -133 um (x), -67.2 um (y), 20.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	474 nm	493 nm	270 nm
z	2.31 um	2.32 um	1.3 um
Asymmetry	0.922		
Theta	68.7°		

XY profile & fitting parameters :

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

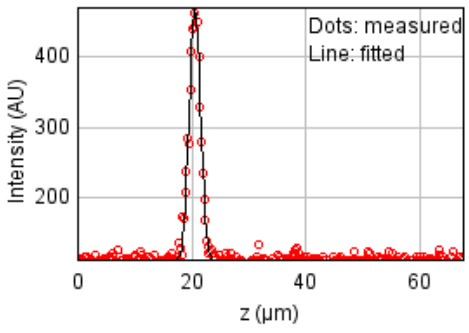




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 368.761 (brightness)
B = 117.445 (background)
a = 0.689 px
b = 0.036 px
c = 0.612 px
xc = 8.648 px
yc = 6.925 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17748.0354
Standard deviation: 7.60337
R^2: 0.98202
Parameters:
a = 111.59575
b = 470.96891
c = 20.62164
d = 0.98190

Bead 1236

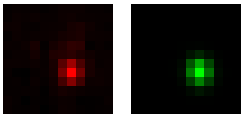
Date : Mon Oct 17 13:52:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

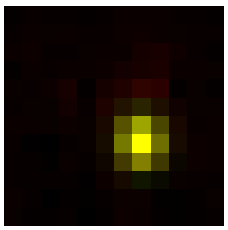
Coordinates : 124 um (x), -83.9 um (y), 24.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	429 nm	270 nm
max	489 nm	510 nm	270 nm
z	2.17 um	2.18 um	1.3 um
Asymmetry	0.841		
Theta	-85.7°		

XY profile & fitting parameters :

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

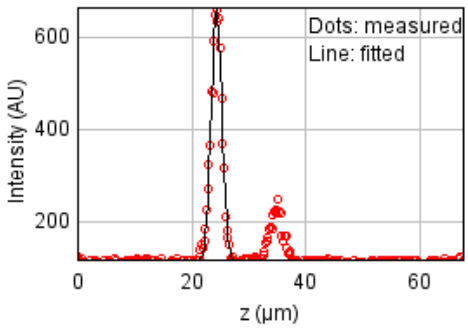




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 502.886 (brightness)
B = 121.260 (background)
a = 0.791 px
b = -0.018 px
c = 0.562 px
xc = 6.969 px
yc = 6.882 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 154307.968
Standard deviation: 22.41945
R^2: 0.93205
Parameters:
a = 117.54597
b = 664.39875
c = 24.42758
d = 0.92314

Bead 1237

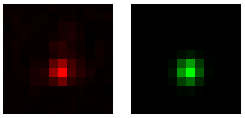
Date : Mon Oct 17 13:52:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

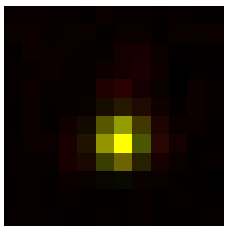
Coordinates : -51.5 um (x), -90.5 um (y), 24.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	436 nm	454 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.929		
Theta	75.3°		

XY profile & fitting parameters :

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

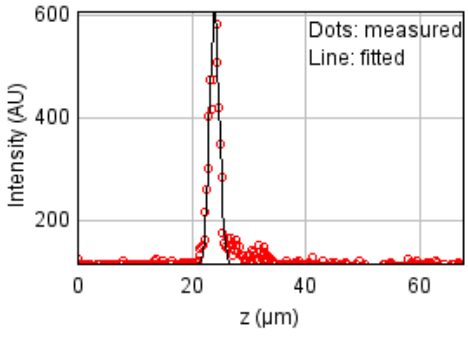




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 544.909 (brightness)
B = 121.253 (background)
a = 0.811 px
b = 0.028 px
c = 0.713 px
xc = 5.836 px
yc = 6.852 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 75303.6939
Standard deviation: 15.66170
R^2: 0.95502
Parameters:
a = 115.82634
b = 611.36730
c = 24.07250
d = 0.84563

Bead 1238

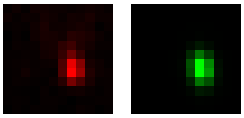
Date : Mon Oct 17 13:52:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

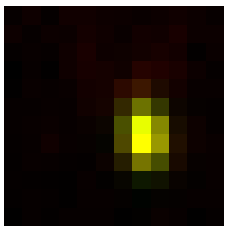
Coordinates : 32.4 um (x), 87.3 um (y), 25.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	585 nm	610 nm	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.66		
Theta	-83.8°		

XY profile & fitting parameters :

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

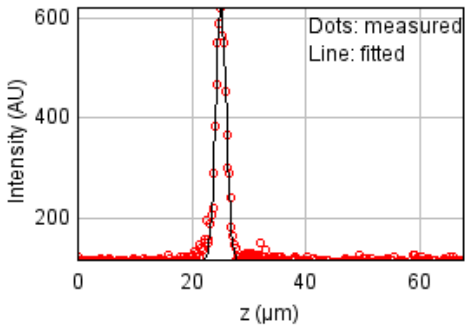




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 572.255 (brightness)
B = 125.463 (background)
a = 0.894 px
b = -0.055 px
c = 0.398 px
xc = 7.180 px
yc = 6.531 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34816.6932
Standard deviation: 10.64939
R^2: 0.98098
Parameters:
a = 115.56067
b = 624.50757
c = 25.19853
d = 0.90317

Bead 1239

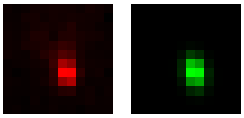
Date : Mon Oct 17 13:52:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

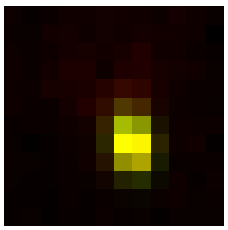
Coordinates : 104 nm (x), 83.5 um (y), 24.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	369 nm	384 nm	270 nm
max	558 nm	581 nm	270 nm
z	2.11 um	2.12 um	1.3 um
Asymmetry	0.661		
Theta	-80.5°		

XY profile & fitting parameters :

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

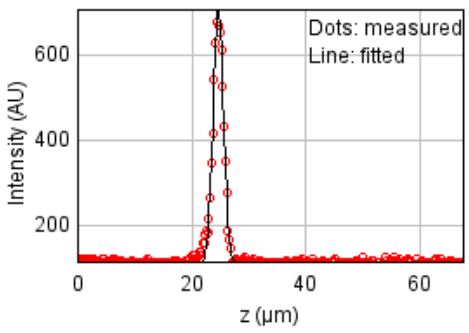




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 723.234 (brightness)
B = 129.261 (background)
a = 0.971 px
b = -0.090 px
c = 0.446 px
xc = 6.473 px
yc = 6.942 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23077.7457
Standard deviation: 8.67017
R^2: 0.99062
Parameters:
a = 114.61090
b = 709.90040
c = 24.73209
d = 0.89521

Bead 1240

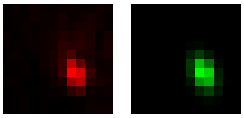
Date : Mon Oct 17 13:52:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

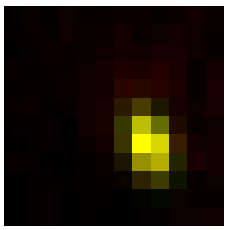
Coordinates : 58.8 um (x), 74.9 um (y), 24.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	389 nm	270 nm
max	606 nm	632 nm	270 nm
z	2.2 um	2.21 um	1.3 um
Asymmetry	0.616		
Theta	-70.5°		

XY profile & fitting parameters :

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

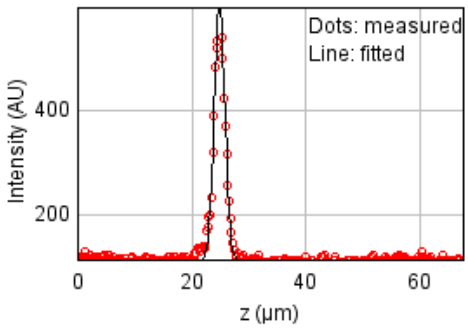




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 596.039 (brightness)
B = 126.721 (background)
a = 0.896 px
b = -0.188 px
c = 0.432 px
xc = 7.399 px
yc = 7.011 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28517.0879
Standard deviation: 9.63792
R^2: 0.98320
Parameters:
a = 113.34172
b = 596.00257
c = 24.94656
d = 0.93498

Bead 1241 (Rejected)

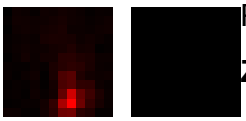
Date : Mon Oct 17 13:52:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 43.3 um (x), 67.2 um (y), 21.5 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.26 um	3.28 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

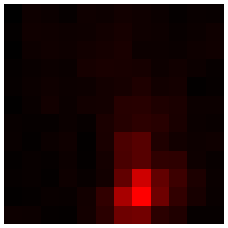
XY profile & fitting parameters :

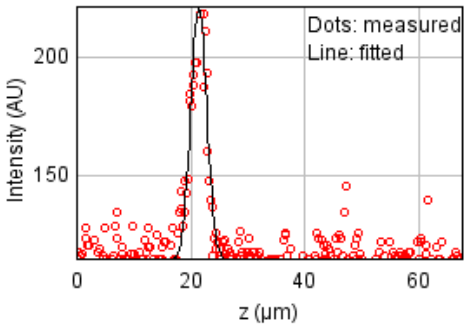
(red : the orignal data, green : the fit, yellow : the two merged)



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

Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16530.4712
Standard deviation: 7.33793
R^2: 0.87821
Parameters:
a = 114.50295
b = 221.78585
c = 21.48838
d = 1.38592

Bead 1242

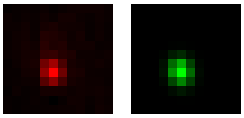
Date : Mon Oct 17 13:52:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

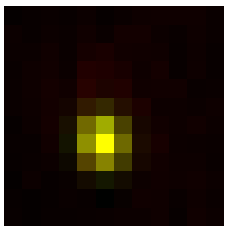
Coordinates : -41.4 um (x), 66.1 um (y), 24.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	444 nm	270 nm
max	507 nm	528 nm	270 nm
z	2.14 um	2.14 um	1.3 um
Asymmetry	0.842		
Theta	-78.9°		

XY profile & fitting parameters :

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

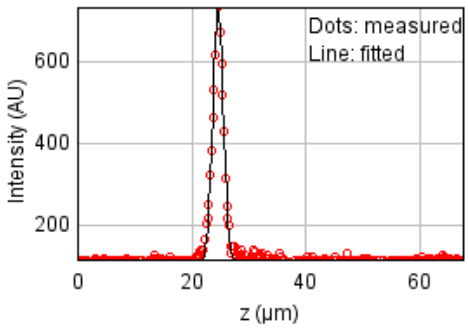




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 622.187 (brightness)
B = 127.687 (background)
a = 0.729 px
b = -0.041 px
c = 0.530 px
xc = 4.886 px
yc = 6.864 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30692.5395
Standard deviation: 9.99878
R^2: 0.98851
Parameters:
a = 114.98089
b = 730.80115
c = 24.68292
d = 0.90713

Bead 1243

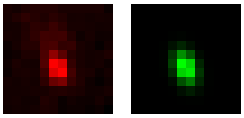
Date : Mon Oct 17 13:52:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

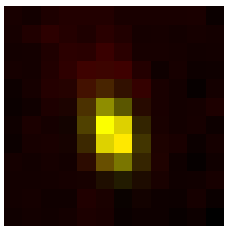
Coordinates : 61.9 um (x), 64.5 um (y), 20.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	630 nm	656 nm	270 nm
z	2.56 um	2.57 um	1.3 um
Asymmetry	0.639		
Theta	-71.4°		

XY profile & fitting parameters :

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

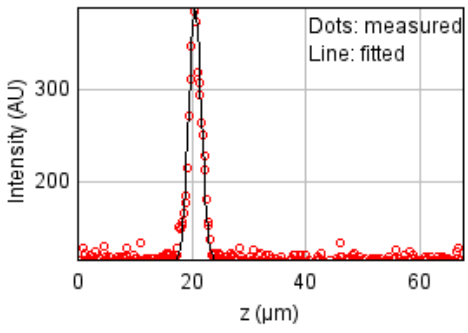




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.928

Parameters:
A = 375.486 (brightness)
B = 122.533 (background)
a = 0.779 px
b = -0.148 px
c = 0.388 px
xc = 5.453 px
yc = 6.424 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27092.6354
Standard deviation: 9.39413
R^2: 0.95910
Parameters:
a = 113.44953
b = 390.61316
c = 20.65020
d = 1.08854

Bead 1244

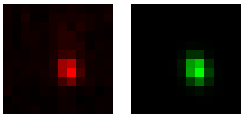
Date : Mon Oct 17 13:52:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

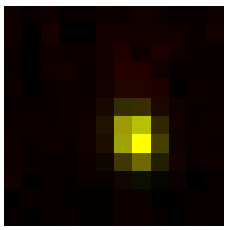
Coordinates : -123 um (x), 52.1 um (y), 24.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	389 nm	270 nm
max	494 nm	514 nm	270 nm
z	1.93 um	1.94 um	1.3 um
Asymmetry	0.756		
Theta	-73.4°		

XY profile & fitting parameters :

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

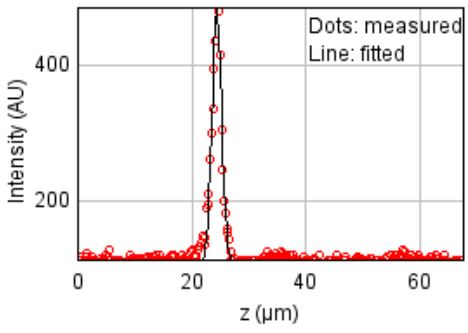




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 440.111 (brightness)
B = 118.181 (background)
a = 0.928 px
b = -0.113 px
c = 0.583 px
xc = 6.704 px
yc = 6.680 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27543.5561
Standard deviation: 9.47198
R^2: 0.96947
Parameters:
a = 113.86065
b = 485.70562
c = 24.47266
d = 0.82043

Bead 1245

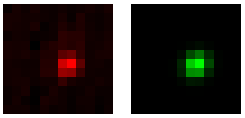
Date : Mon Oct 17 13:52:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

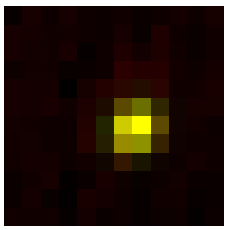
Coordinates : -78.8 um (x), 48.3 um (y), 24.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	462 nm	481 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.874		
Theta	51.4°		

XY profile & fitting parameters :

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

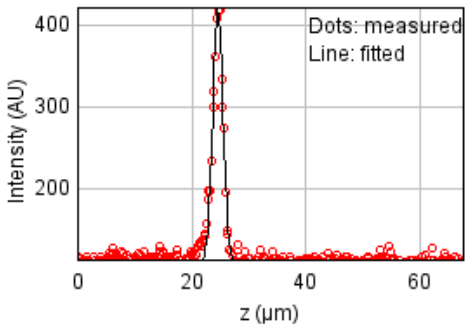




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.945

Parameters:
A = 319.886 (brightness)
B = 117.949 (background)
a = 0.746 px
b = 0.094 px
c = 0.703 px
xc = 6.637 px
yc = 6.145 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22507.8671
Standard deviation: 8.56245
R^2: 0.96585
Parameters:
a = 113.70947
b = 421.04999
c = 24.65098
d = 0.87684

Bead 1246

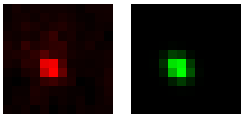
Date : Mon Oct 17 13:52:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

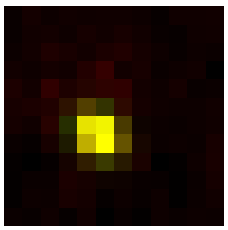
Coordinates : 108 um (x), 32.3 um (y), 4.41 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	470 nm	490 nm	270 nm
z	2.6 um	2.61 um	1.3 um
Asymmetry	0.817		
Theta	-44.3°		

XY profile & fitting parameters :

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

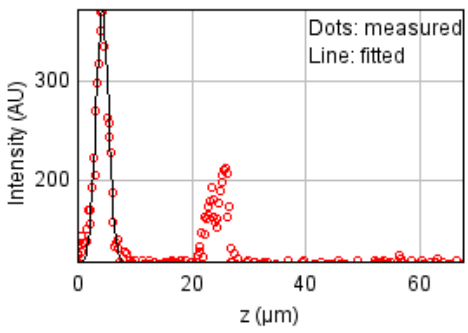




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.938

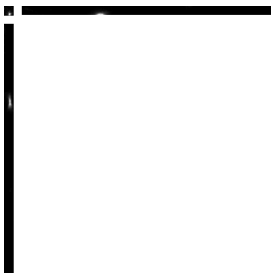
Parameters:
A = 329.314 (brightness)
B = 118.852 (background)
a = 0.754 px
b = -0.151 px
c = 0.761 px
xc = 4.642 px
yc = 6.457 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 116158.165
Standard deviation: 19.45162
R^2: 0.82414
Parameters:
a = 117.91702
b = 372.71544
c = 4.40522
d = 1.10455

Bead 1247 (Rejected)



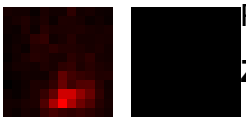
Date : Mon Oct 17 13:52:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 30.6 um (x), 27.6 um (y), 21.9 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	4.06 um	4.07 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

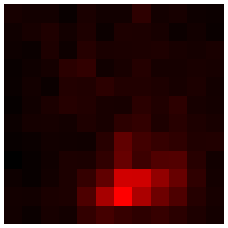
XY profile & fitting parameters :

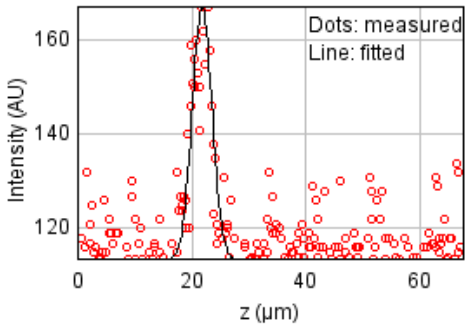
(red : the orignal data, green : the fit, yellow : the two merged)



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

Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17638.5199
Standard deviation: 7.57987
R^2: 0.67361
Parameters:
a = 113.32821
b = 167.01576
c = 21.90084
d = 1.72291

Bead 1248

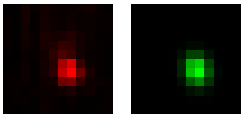
Date : Mon Oct 17 13:52:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

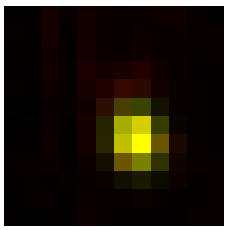
Coordinates : 12.7 um (x), 21.5 um (y), 24.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	551 nm	574 nm	270 nm
z	2.14 um	2.15 um	1.3 um
Asymmetry	0.792		
Theta	-76.5°		

XY profile & fitting parameters :

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

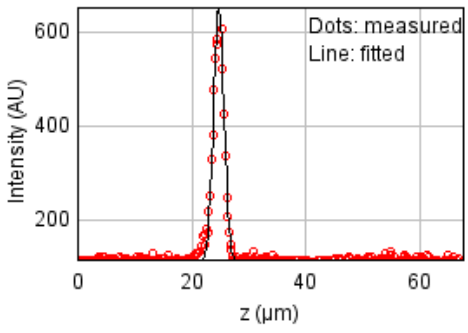




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 588.082 (brightness)
B = 123.883 (background)
a = 0.689 px
b = -0.059 px
c = 0.456 px
xc = 6.682 px
yc = 6.696 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31721.5154
Standard deviation: 10.16501
R^2: 0.98451
Parameters:
a = 114.14807
b = 651.93824
c = 24.80305
d = 0.90844

Bead 1249 (Rejected)

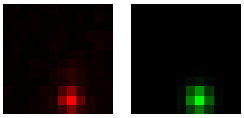
Date : Mon Oct 17 13:52:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

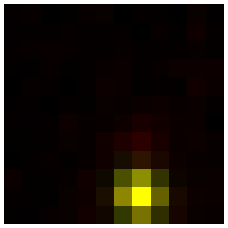
Coordinates : -94.0 um (x), 16.4 um (y), 22.2 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	444 nm	462 nm	270 nm
z	3.79 um	3.81 um	1.3 um
Asymmetry	0.914		
Theta	-77.6°		

XY profile & fitting parameters :

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

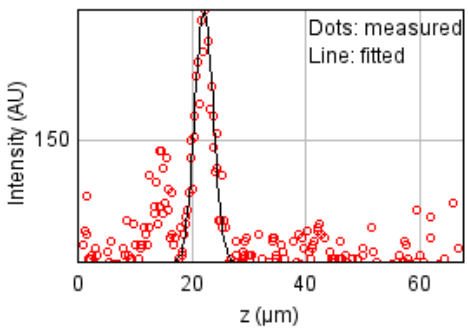




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 550.379 (brightness)
B = 122.087 (background)
a = 0.810 px
b = -0.028 px
c = 0.688 px
xc = 6.898 px
yc = 9.917 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 20593.1141
Standard deviation: 8.19015
R^2: 0.75537
Parameters:
a = 114.60152
b = 187.74042
c = 22.23011
d = 1.61129

Bead 1250 (Rejected)

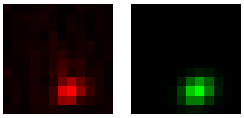
Date : Mon Oct 17 13:52:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

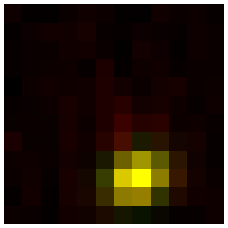
Coordinates : 101 um (x), -7.8 um (y), 21.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	465 nm	270 nm
max	561 nm	585 nm	270 nm
z	3.53 um	3.54 um	1.3 um
Asymmetry	0.795		
Theta	28.2°		

XY profile & fitting parameters :

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

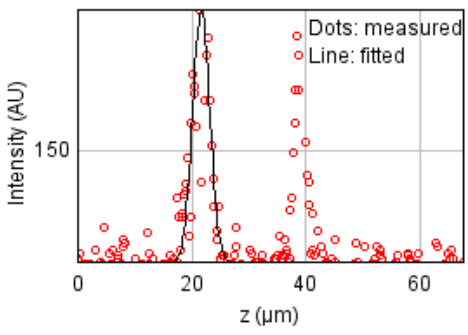




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.932

Parameters:
A = 343.640 (brightness)
B = 124.102 (background)
a = 0.481 px
b = 0.103 px
c = 0.618 px
xc = 6.756 px
yc = 8.972 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 73439.1198
Standard deviation: 15.46659
R^2: 0.47813
Parameters:
a = 115.81659
b = 193.59042
c = 21.74779
d = 1.49806

Bead 1251

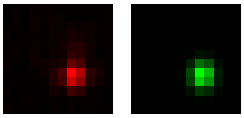
Date : Mon Oct 17 13:52:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

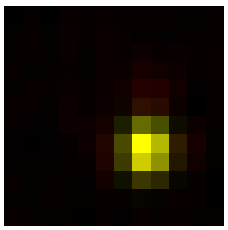
Coordinates : -32.1 um (x), -44.4 um (y), 24.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	431 nm	270 nm
max	496 nm	517 nm	270 nm
z	2.15 um	2.16 um	1.3 um
Asymmetry	0.833		
Theta	88.3°		

XY profile & fitting parameters :

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

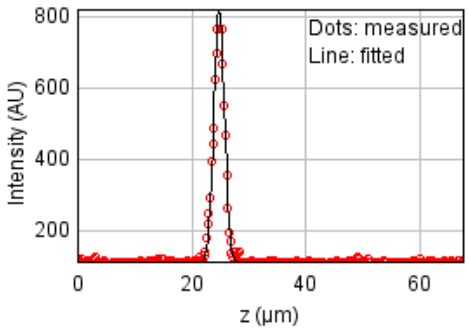




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 770.056 (brightness)
B = 127.822 (background)
a = 0.785 px
b = 0.007 px
c = 0.545 px
xc = 7.288 px
yc = 7.296 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32439.2176
Standard deviation: 10.27936
R^2: 0.99087
Parameters:
a = 113.32878
b = 821.58896
c = 24.88306
d = 0.91474

Bead 1252

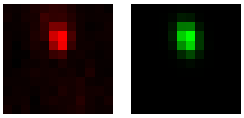
Date : Mon Oct 17 13:52:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

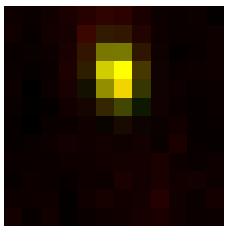
Coordinates : 147 um (x), -46.1 um (y), 21.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	551 nm	574 nm	270 nm
z	2.39 um	2.4 um	1.3 um
Asymmetry	0.701		
Theta	-77.4°		

XY profile & fitting parameters :

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

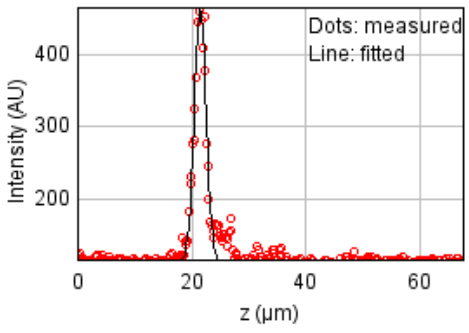




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 433.691 (brightness)
B = 123.369 (background)
a = 0.879 px
b = -0.098 px
c = 0.464 px
xc = 5.647 px
yc = 3.229 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46329.2219
Standard deviation: 12.28452
R^2: 0.95378
Parameters:
a = 114.21726
b = 465.78044
c = 21.56462
d = 1.01384

Bead 1253

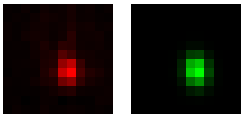
Date : Mon Oct 17 13:52:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

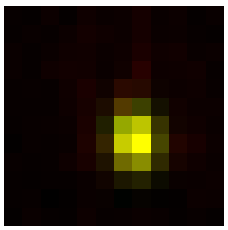
Coordinates : 91.2 um (x), -72.2 um (y), 24.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	561 nm	585 nm	270 nm
z	1.88 um	1.89 um	1.3 um
Asymmetry	0.747		
Theta	-84.7°		

XY profile & fitting parameters :

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

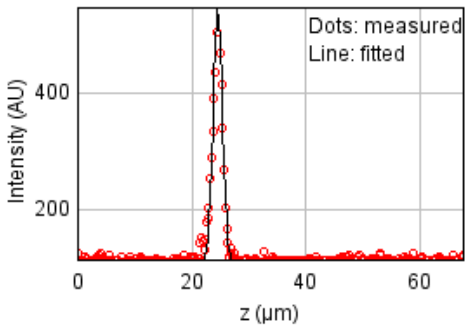




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 516.371 (brightness)
B = 120.171 (background)
a = 0.760 px
b = -0.031 px
c = 0.429 px
xc = 6.637 px
yc = 6.780 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30705.9082
Standard deviation: 10.00096
R^2: 0.97419
Parameters:
a = 113.33733
b = 546.48942
c = 24.63664
d = 0.80039

Bead 1254 (Rejected)

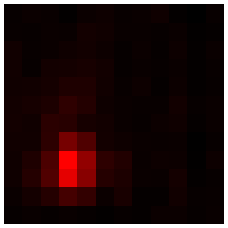
Date : Mon Oct 17 13:52:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 83.2 um (x), -76.6 um (y), 21.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	2.61 um	2.72 um	270 nm
max	3.41 um	3.55 um	270 nm
z	2.15 um	2.16 um	1.3 um
Asymmetry	0.765		
Theta	0.0°		

XY profile & fitting parameters :

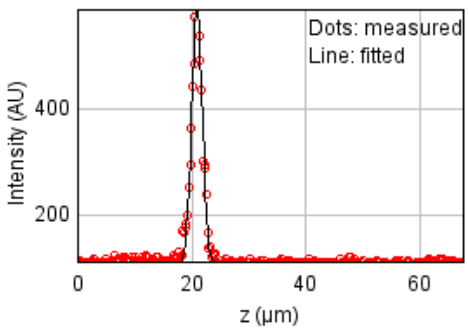
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.166

Parameters:
A = -78.780 (brightness)
B = 194.106 (background)
a = 0.005 px
b = -0.016 px
c = 0.004 px
xc = 9.055 px
yc = 1.714 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29539.3186
Standard deviation: 9.80914
R^2: 0.98165
Parameters:
a = 112.97931
b = 587.98376
c = 20.99244
d = 0.91284

Bead 1255 (Rejected)

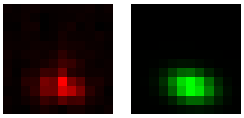
Date : Mon Oct 17 13:52:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

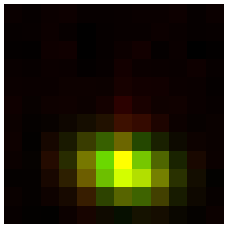
Coordinates : -99.7 um (x), -92.4 um (y), 21.2 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	530 nm	552 nm	270 nm
max	825 nm	859 nm	270 nm
z	3.99 um	4.01 um	1.3 um
Asymmetry	0.643		
Theta	-12.3°		

XY profile & fitting parameters :

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

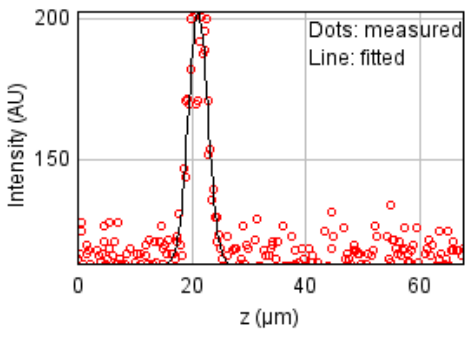




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.896

Parameters:
A = 388.672 (brightness)
B = 123.479 (background)
a = 0.210 px
b = -0.058 px
c = 0.465 px
xc = 6.045 px
yc = 8.500 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19196.7968
Standard deviation: 7.90761
R^2: 0.83868
Parameters:
a = 112.90785
b = 202.46221
c = 21.20224
d = 1.69487

Bead 1256

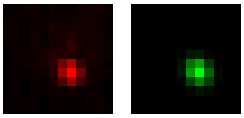
Date : Mon Oct 17 13:52:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

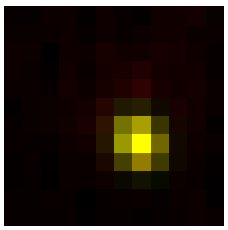
Coordinates : -72.0 um (x), 78.2 um (y), 25.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	495 nm	515 nm	270 nm
z	2.3 um	2.31 um	1.3 um
Asymmetry	0.847		
Theta	-61.8°		

XY profile & fitting parameters :

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

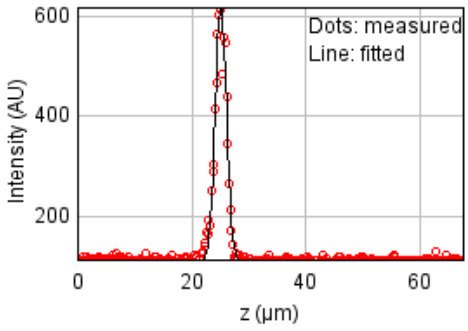




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 505.919 (brightness)
B = 124.533 (background)
a = 0.716 px
b = -0.090 px
c = 0.596 px
xc = 6.840 px
yc = 6.877 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35626.2981
Standard deviation: 10.77249
R^2: 0.98166
Parameters:
a = 113.38590
b = 618.80208
c = 25.18851
d = 0.97631

Bead 1257

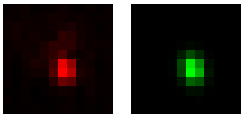
Date : Mon Oct 17 13:52:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

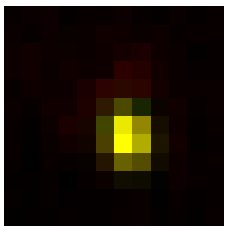
Coordinates : -43.5 um (x), 58.7 um (y), 25.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	511 nm	532 nm	270 nm
z	2.18 um	2.19 um	1.3 um
Asymmetry	0.755		
Theta	-78.0°		

XY profile & fitting parameters :

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

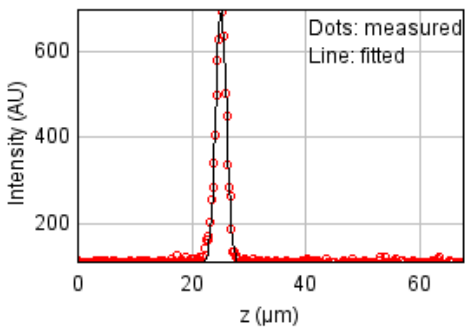




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 654.353 (brightness)
B = 127.166 (background)
a = 0.885 px
b = -0.079 px
c = 0.530 px
xc = 6.245 px
yc = 6.624 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24220.5584
Standard deviation: 8.88225
R^2: 0.99007
Parameters:
a = 113.40984
b = 696.62402
c = 25.21878
d = 0.92607

Bead 1258

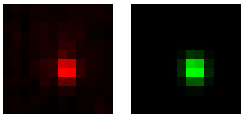
Date : Mon Oct 17 13:52:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

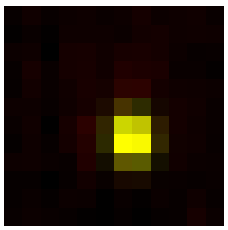
Coordinates : -71.4 um (x), 52.3 um (y), 24.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	397 nm	270 nm
max	465 nm	484 nm	270 nm
z	2.43 um	2.44 um	1.3 um
Asymmetry	0.82		
Theta	-83.6°		

XY profile & fitting parameters :

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

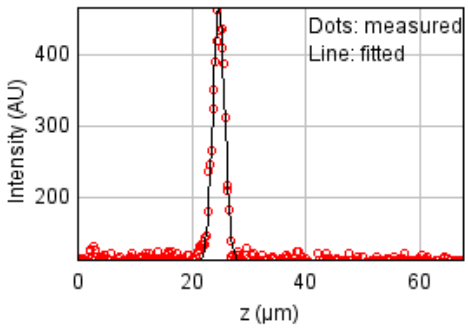




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

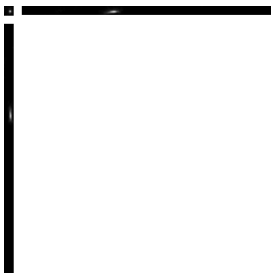
Parameters:
A = 465.428 (brightness)
B = 121.542 (background)
a = 0.919 px
b = -0.034 px
c = 0.625 px
xc = 6.475 px
yc = 6.668 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21047.2075
Standard deviation: 8.27996
R^2: 0.97862
Parameters:
a = 114.24708
b = 464.46655
c = 24.81435
d = 1.03022

Bead 1259



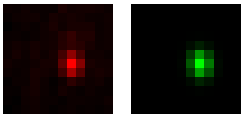
Date : Mon Oct 17 13:52:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

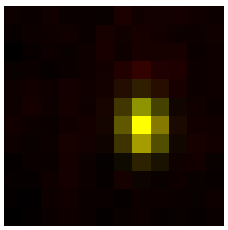
Coordinates : -122 um (x), 39.0 um (y), 24.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	509 nm	530 nm	270 nm
z	1.89 um	1.9 um	1.3 um
Asymmetry	0.756		
Theta	-86.0°		

XY profile & fitting parameters :

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

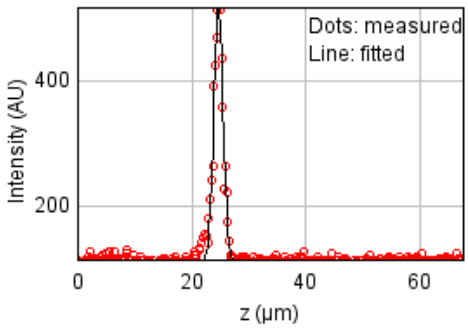




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 394.562 (brightness)
B = 119.053 (background)
a = 0.904 px
b = -0.027 px
c = 0.520 px
xc = 7.089 px
yc = 6.036 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28512.0678
Standard deviation: 9.63707
R^2: 0.97312
Parameters:
a = 113.02937
b = 521.01273
c = 24.74757
d = 0.80348

Bead 1260

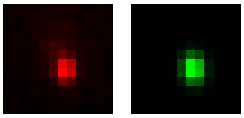
Date : Mon Oct 17 13:52:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

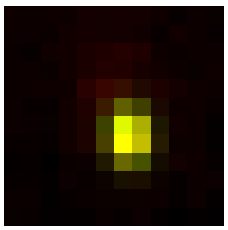
Coordinates : 119 um (x), 36.7 um (y), 24.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	416 nm	270 nm
max	538 nm	560 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.743		
Theta	-85.2°		

XY profile & fitting parameters :

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

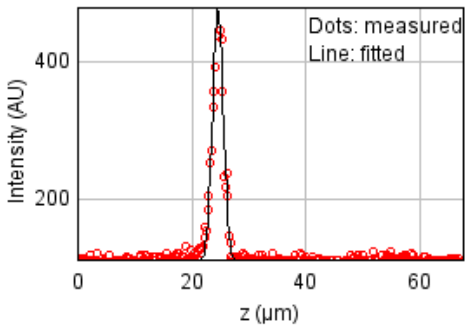




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.944

Parameters:
A = 470.773 (brightness)
B = 120.184 (background)
a = 0.837 px
b = -0.031 px
c = 0.466 px
xc = 6.309 px
yc = 6.548 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32861.3667
Standard deviation: 10.34603
R^2: 0.96649
Parameters:
a = 112.89148
b = 477.65275
c = 24.66177
d = 0.92936

Bead 1261

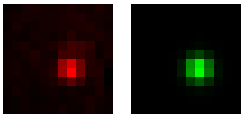
Date : Mon Oct 17 13:52:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

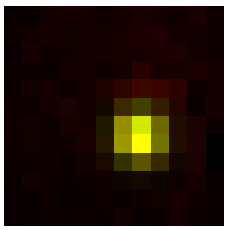
Coordinates : -107 um (x), 27.9 um (y), 24.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	453 nm	471 nm	270 nm
max	474 nm	493 nm	270 nm
z	2.26 um	2.27 um	1.3 um
Asymmetry	0.955		
Theta	-78.0°		

XY profile & fitting parameters :

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

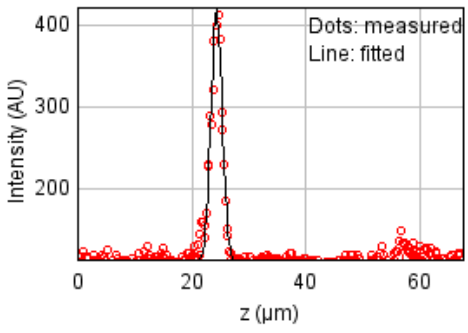




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.935

Parameters:
A = 299.765 (brightness)
B = 119.377 (background)
a = 0.653 px
b = -0.012 px
c = 0.600 px
xc = 6.889 px
yc = 6.573 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31438.4286
Standard deviation: 10.11955
R^2: 0.95619
Parameters:
a = 114.54391
b = 420.49171
c = 24.42792
d = 0.95800

Bead 1262 (Rejected)

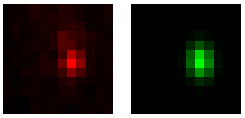
Date : Mon Oct 17 13:52:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

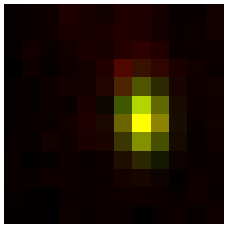
Coordinates : 144 um (x), 4.35 um (y), 24.8 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	602 nm	627 nm	270 nm
z	1.98 um	1.99 um	1.3 um
Asymmetry	0.68		
Theta	-86.8°		

XY profile & fitting parameters :

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

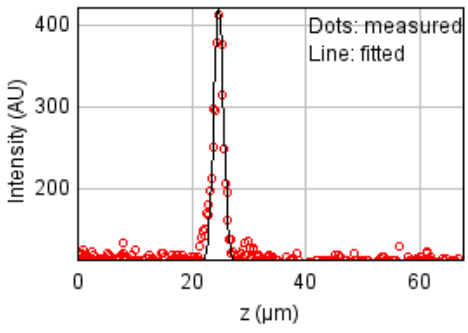




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.888

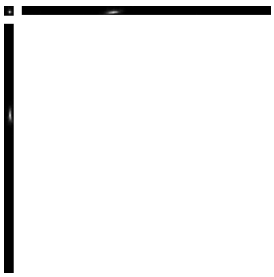
Parameters:
A = 277.196 (brightness)
B = 116.629 (background)
a = 0.799 px
b = -0.024 px
c = 0.372 px
xc = 7.078 px
yc = 5.746 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31373.3562
Standard deviation: 10.10907
R^2: 0.95217
Parameters:
a = 112.59617
b = 422.80777
c = 24.79012
d = 0.84266

Bead 1263



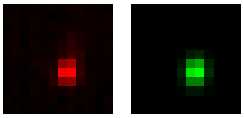
Date : Mon Oct 17 13:52:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

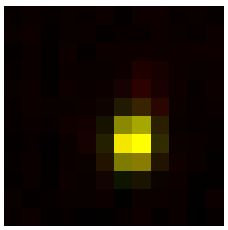
Coordinates : -84.8 um (x), -5.81 um (y), 24.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	377 nm	393 nm	270 nm
max	486 nm	506 nm	270 nm
z	2.36 um	2.37 um	1.3 um
Asymmetry	0.776		
Theta	82.5°		

XY profile & fitting parameters :

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

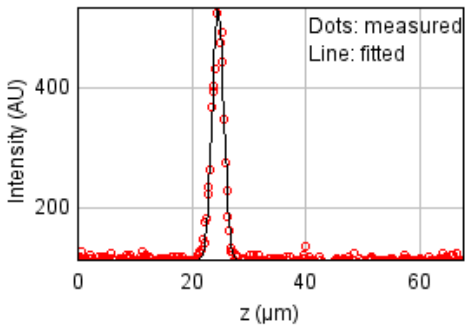




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 524.583 (brightness)
B = 120.254 (background)
a = 0.937 px
b = 0.048 px
c = 0.574 px
xc = 6.557 px
yc = 6.907 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26088.1303
Standard deviation: 9.21833
R^2: 0.98124
Parameters:
a = 112.45217
b = 534.67047
c = 24.67594
d = 1.00272

Bead 1264

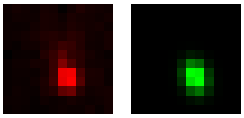
Date : Mon Oct 17 13:52:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

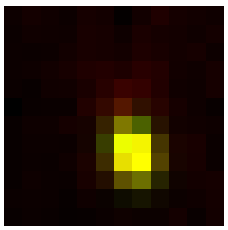
Coordinates : 99.1 um (x), -6.81 um (y), 24.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	568 nm	591 nm	270 nm
z	2.2 um	2.2 um	1.3 um
Asymmetry	0.739		
Theta	-74.9°		

XY profile & fitting parameters :

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

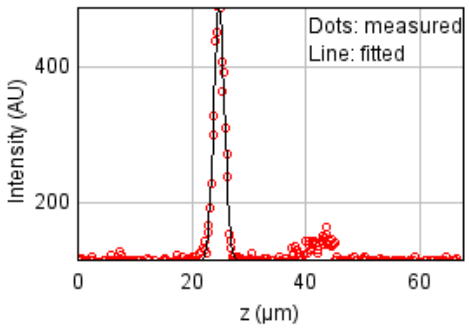




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.939

Parameters:
A = 503.279 (brightness)
B = 122.933 (background)
a = 0.739 px
b = -0.087 px
c = 0.440 px
xc = 6.526 px
yc = 7.456 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45194.1019
Standard deviation: 12.13310
R^2: 0.95660
Parameters:
a = 115.49925
b = 488.87515
c = 24.87748
d = 0.93232

Bead 1265

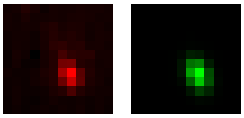
Date : Mon Oct 17 13:52:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

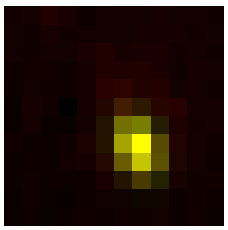
Coordinates : 119 um (x), -6.97 um (y), 24.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	565 nm	589 nm	270 nm
z	1.87 um	1.88 um	1.3 um
Asymmetry	0.682		
Theta	-68.7°		

XY profile & fitting parameters :

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

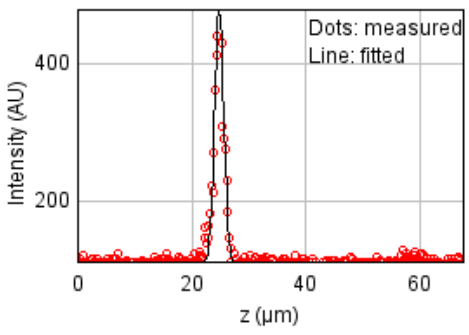




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 397.916 (brightness)
B = 120.372 (background)
a = 0.838 px
b = -0.163 px
c = 0.483 px
xc = 6.796 px
yc = 7.166 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31947.8020
Standard deviation: 10.20120
R^2: 0.96282
Parameters:
a = 112.47385
b = 479.81885
c = 24.88909
d = 0.79396

Bead 1266

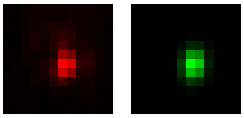
Date : Mon Oct 17 13:52:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

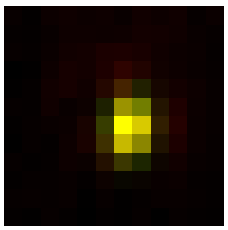
Coordinates : 82.8 um (x), -23.2 um (y), 25.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	555 nm	578 nm	270 nm
z	2.2 um	2.21 um	1.3 um
Asymmetry	0.72		
Theta	84.1°		

XY profile & fitting parameters :

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

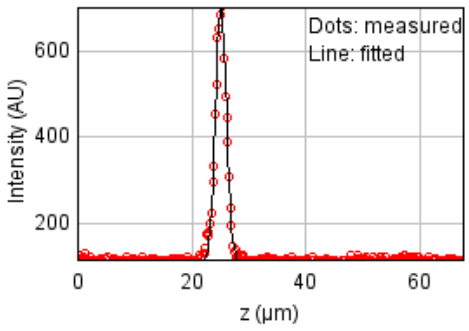




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

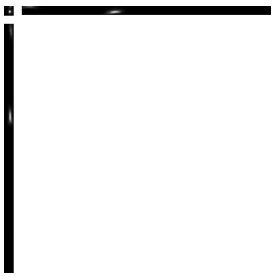
Parameters:
A = 655.823 (brightness)
B = 126.011 (background)
a = 0.838 px
b = 0.042 px
c = 0.440 px
xc = 6.354 px
yc = 6.099 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26181.8146
Standard deviation: 9.23487
R^2: 0.98963
Parameters:
a = 113.79050
b = 704.19128
c = 25.19465
d = 0.93558

Bead 1267



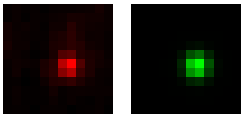
Date : Mon Oct 17 13:52:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

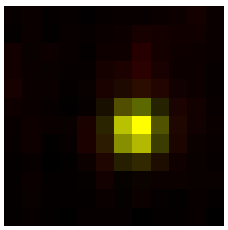
Coordinates : -152 um (x), -27.7 um (y), 25.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	438 nm	457 nm	270 nm
max	469 nm	488 nm	270 nm
z	2.33 um	2.34 um	1.3 um
Asymmetry	0.935		
Theta	87.1°		

XY profile & fitting parameters :

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

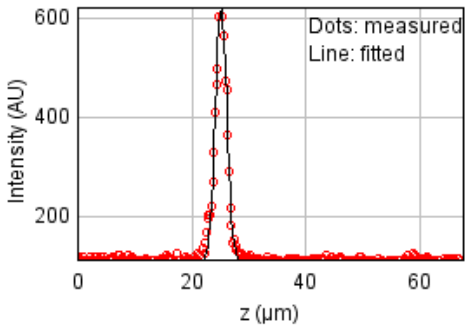




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

Parameters:
A = 510.504 (brightness)
B = 121.479 (background)
a = 0.698 px
b = 0.004 px
c = 0.611 px
xc = 6.697 px
yc = 6.239 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26069.4655
Standard deviation: 9.21503
R^2: 0.98700
Parameters:
a = 112.44639
b = 624.31802
c = 25.22251
d = 0.98857

Bead 1268

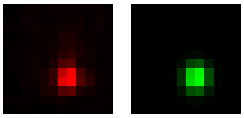
Date : Mon Oct 17 13:52:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

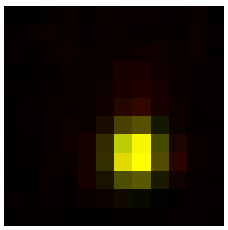
Coordinates : -14.8 um (x), -34.5 um (y), 25.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	458 nm	270 nm
max	498 nm	518 nm	270 nm
z	1.94 um	1.95 um	1.3 um
Asymmetry	0.883		
Theta	84.5°		

XY profile & fitting parameters :

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

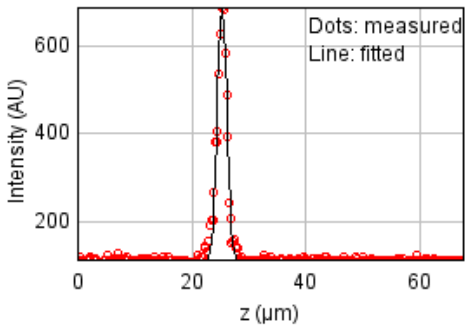




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 761.973 (brightness)
B = 125.640 (background)
a = 0.694 px
b = 0.015 px
c = 0.544 px
xc = 6.629 px
yc = 7.542 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47234.4212
Standard deviation: 12.40395
R^2: 0.97814
Parameters:
a = 113.67554
b = 690.04212
c = 25.40203
d = 0.82533

Bead 1269

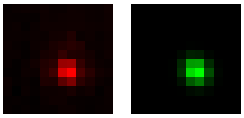
Date : Mon Oct 17 13:52:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

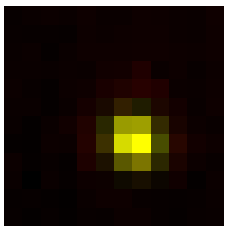
Coordinates : -38.8 um (x), -35.5 um (y), 25.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	431 nm	449 nm	270 nm
max	479 nm	499 nm	270 nm
z	1.98 um	1.99 um	1.3 um
Asymmetry	0.899		
Theta	-56.6°		

XY profile & fitting parameters :

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

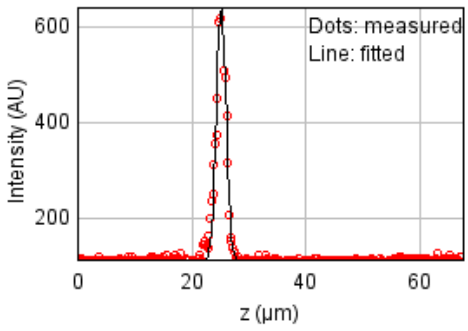




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 589.961 (brightness)
B = 123.883 (background)
a = 0.681 px
b = -0.063 px
c = 0.626 px
xc = 6.598 px
yc = 6.836 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44538.5335
Standard deviation: 12.04478
R^2: 0.97575
Parameters:
a = 113.77549
b = 639.68456
c = 25.24711
d = 0.84113

Bead 1270

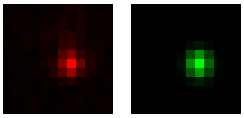
Date : Mon Oct 17 13:52:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

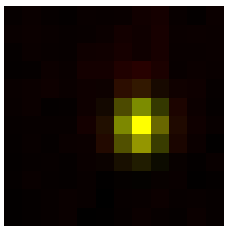
Coordinates : 108 um (x), -43.9 um (y), 24.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	486 nm	506 nm	270 nm
z	1.89 um	1.89 um	1.3 um
Asymmetry	0.86		
Theta	-89.9°		

XY profile & fitting parameters :

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

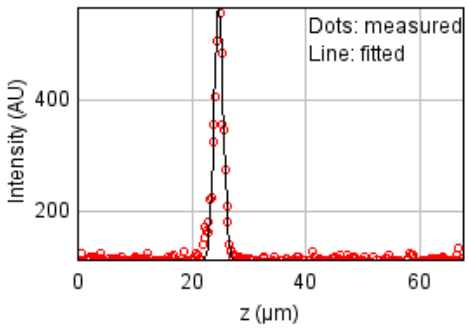




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 465.964 (brightness)
B = 118.527 (background)
a = 0.769 px
b = -0.000 px
c = 0.568 px
xc = 6.911 px
yc = 6.031 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30347.3307
Standard deviation: 9.94240
R^2: 0.97696
Parameters:
a = 112.20462
b = 568.37963
c = 24.79665
d = 0.80114

Bead 1271

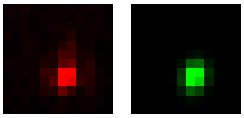
Date : Mon Oct 17 13:52:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

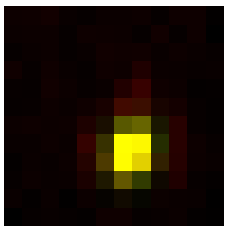
Coordinates : -70.3 um (x), -58.1 um (y), 25.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	412 nm	270 nm
max	511 nm	533 nm	270 nm
z	2.14 um	2.15 um	1.3 um
Asymmetry	0.773		
Theta	75.2°		

XY profile & fitting parameters :

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

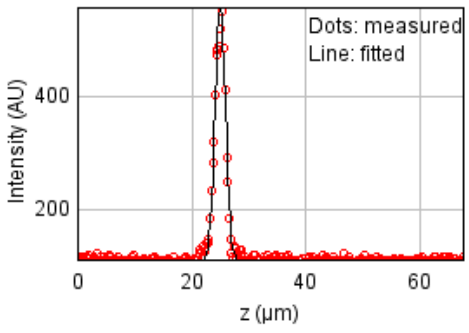




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 535.520 (brightness)
B = 122.834 (background)
a = 0.836 px
b = 0.086 px
c = 0.536 px
xc = 6.439 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: 30225.6480
Standard deviation: 9.92244
R^2: 0.97839
Parameters:
a = 112.87211
b = 555.36117
c = 25.07682
d = 0.91090

Bead 1272

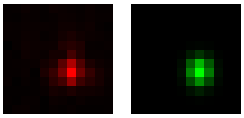
Date : Mon Oct 17 13:52:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

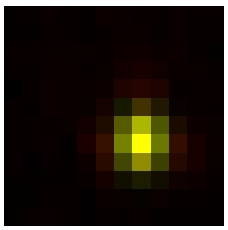
Coordinates : -26.4 um (x), -60.4 um (y), 25.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	531 nm	553 nm	270 nm
z	2.05 um	2.06 um	1.3 um
Asymmetry	0.816		
Theta	88.9°		

XY profile & fitting parameters :

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

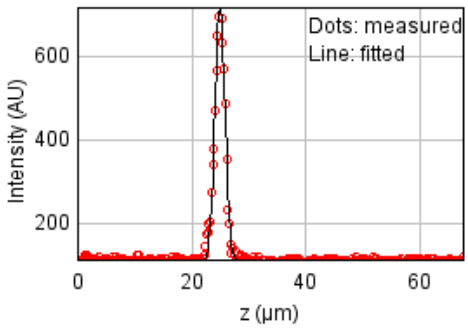




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

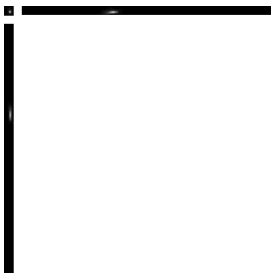
Parameters:
A = 575.444 (brightness)
B = 123.286 (background)
a = 0.714 px
b = 0.004 px
c = 0.476 px
xc = 6.974 px
yc = 6.860 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26653.4935
Standard deviation: 9.31768
R^2: 0.98916
Parameters:
a = 113.31003
b = 716.44308
c = 25.02973
d = 0.86940

Bead 1273



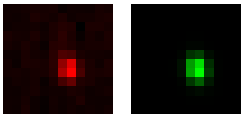
Date : Mon Oct 17 13:52:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

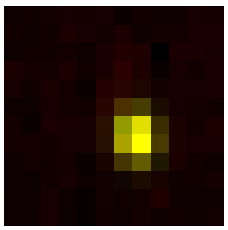
Coordinates : -133 um (x), 94.8 um (y), 24.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	370 nm	385 nm	270 nm
max	486 nm	506 nm	270 nm
z	2.23 um	2.24 um	1.3 um
Asymmetry	0.761		
Theta	-82.9°		

XY profile & fitting parameters :

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

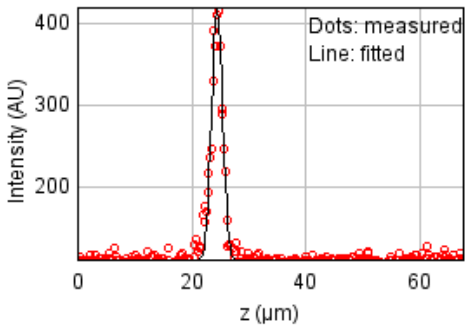




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 337.895 (brightness)
B = 118.377 (background)
a = 0.975 px
b = -0.050 px
c = 0.574 px
xc = 6.714 px
yc = 6.593 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27181.7115
Standard deviation: 9.40956
R^2: 0.96197
Parameters:
a = 111.81338
b = 419.67771
c = 24.51620
d = 0.94747

Bead 1274 (Rejected)

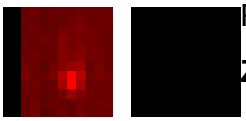
Date : Mon Oct 17 13:52:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -164 um (x), 76.3 um (y), 22.0 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.57 um	2.58 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

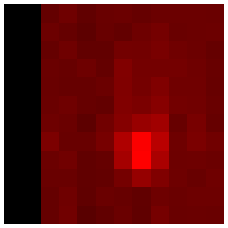
XY profile & fitting parameters :

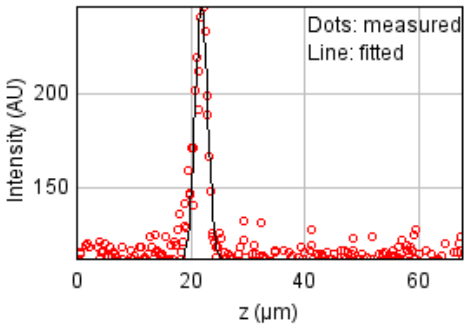
(red : the orignal data, green : the fit, yellow : the two merged)



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

Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20673.0211
Standard deviation: 8.20602
R^2: 0.87948
Parameters:
a = 111.44682
b = 246.40898
c = 21.95432
d = 1.09017

Bead 1275

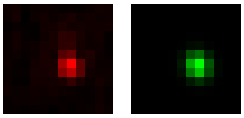
Date : Mon Oct 17 13:52:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

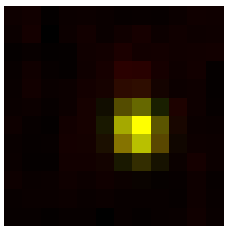
Coordinates : -141 um (x), 61.9 um (y), 25.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	482 nm	502 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.863		
Theta	-73.6°		

XY profile & fitting parameters :

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

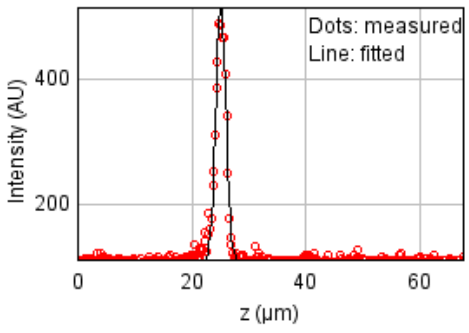




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

Parameters:
A = 392.844 (brightness)
B = 117.921 (background)
a = 0.759 px
b = -0.054 px
c = 0.592 px
xc = 6.789 px
yc = 6.244 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25938.0517
Standard deviation: 9.19178
R^2: 0.97711
Parameters:
a = 111.56518
b = 518.77176
c = 25.18810
d = 0.86837

Bead 1276 (Rejected)

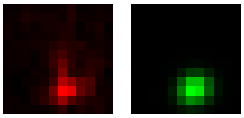
Date : Mon Oct 17 13:52:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

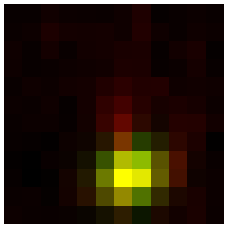
Coordinates : 66.8 um (x), 56.5 um (y), 22.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	522 nm	544 nm	270 nm
max	588 nm	612 nm	270 nm
z	4.85 um	4.87 um	1.3 um
Asymmetry	0.888		
Theta	32.1°		

XY profile & fitting parameters :

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

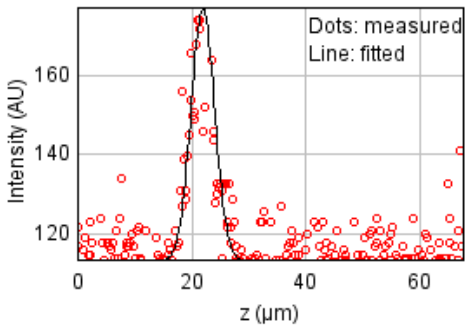




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.849

Parameters:
A = 273.930 (brightness)
B = 122.442 (background)
a = 0.418 px
b = 0.047 px
c = 0.463 px
xc = 6.410 px
yc = 8.790 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16868.4087
Standard deviation: 7.41255
R^2: 0.78119
Parameters:
a = 113.26828
b = 177.02160
c = 22.02774
d = 2.06138

Bead 1277

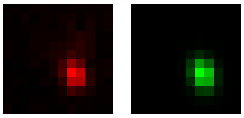
Date : Mon Oct 17 13:52:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

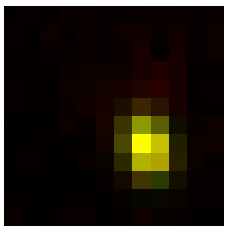
Coordinates : 10.9 um (x), 38.1 um (y), 25.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	423 nm	270 nm
max	567 nm	591 nm	270 nm
z	2.3 um	2.31 um	1.3 um
Asymmetry	0.716		
Theta	-74.9°		

XY profile & fitting parameters :

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

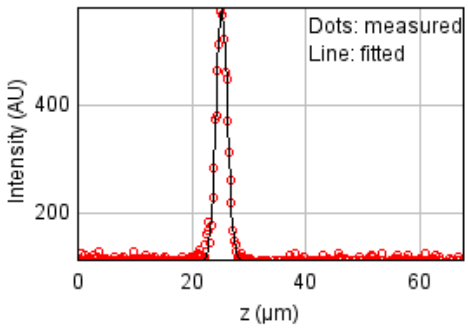




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 553.980 (brightness)
B = 124.307 (background)
a = 0.787 px
b = -0.099 px
c = 0.444 px
xc = 7.344 px
yc = 7.163 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24208.8827
Standard deviation: 8.88011
R^2: 0.98535
Parameters:
a = 114.06186
b = 581.24263
c = 25.34162
d = 0.97614

Bead 1278 (Rejected)

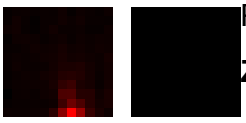
Date : Mon Oct 17 13:52:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 49.7 um (x), 36.8 um (y), 24.6 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	4.28 um	4.29 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

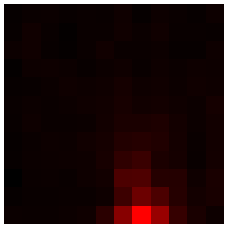
XY profile & fitting parameters :

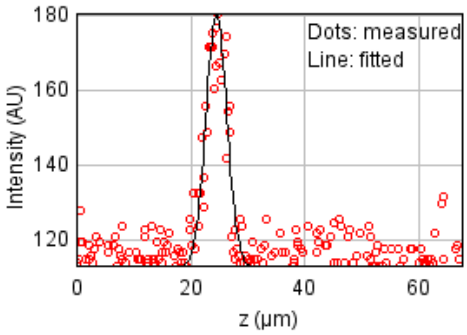
(red : the orignal data, green : the fit, yellow : the two merged)



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

Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15013.5730
Standard deviation: 6.99315
R^2: 0.80163
Parameters:
a = 113.01175
b = 180.71145
c = 24.57705
d = 1.81548

Bead 1279

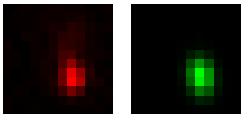
Date : Mon Oct 17 13:52:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

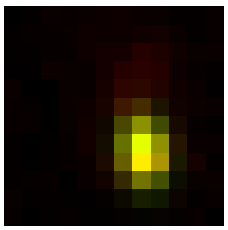
Coordinates : 28.2 um (x), 13.4 um (y), 25.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	438 nm	456 nm	270 nm
max	655 nm	682 nm	270 nm
z	2.14 um	2.15 um	1.3 um
Asymmetry	0.669		
Theta	-82.2°		

XY profile & fitting parameters :

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

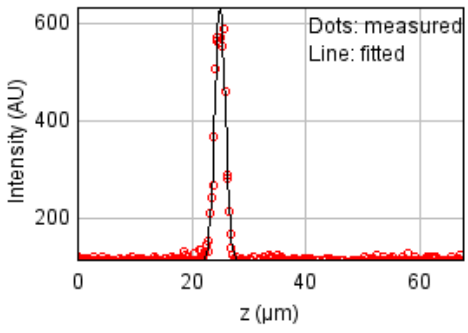




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.937

Parameters:
A = 517.295 (brightness)
B = 122.704 (background)
a = 0.692 px
b = -0.052 px
c = 0.320 px
xc = 7.120 px
yc = 7.401 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 42643.8203
Standard deviation: 11.78579
R^2: 0.97785
Parameters:
a = 113.66614
b = 632.84302
c = 25.04655
d = 0.91014

Bead 1280

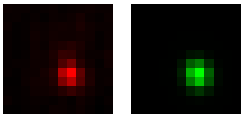
Date : Mon Oct 17 13:52:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

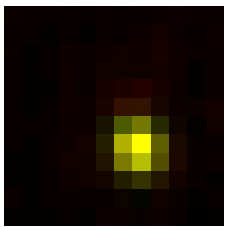
Coordinates : -12.8 um (x), -6.53 um (y), 25.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	511 nm	532 nm	270 nm
z	1.83 um	1.83 um	1.3 um
Asymmetry	0.861		
Theta	-75.0°		

XY profile & fitting parameters :

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

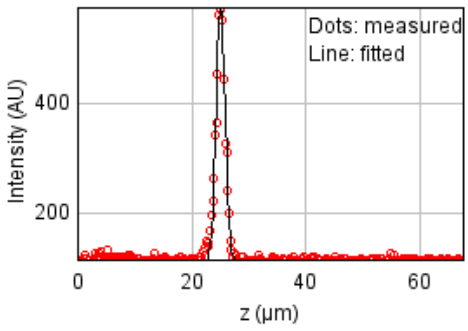




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 465.153 (brightness)
B = 120.491 (background)
a = 0.681 px
b = -0.045 px
c = 0.526 px
xc = 6.785 px
yc = 7.204 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24946.4753
Standard deviation: 9.01437
R^2: 0.98113
Parameters:
a = 113.75005
b = 578.90982
c = 25.14560
d = 0.77567

Bead 1281

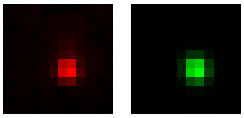
Date : Mon Oct 17 13:52:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

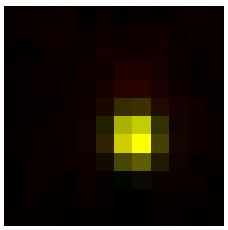
Coordinates : -155 um (x), -15.0 um (y), 25.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	469 nm	489 nm	270 nm
z	2.42 um	2.43 um	1.3 um
Asymmetry	0.874		
Theta	-78.8°		

XY profile & fitting parameters :

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

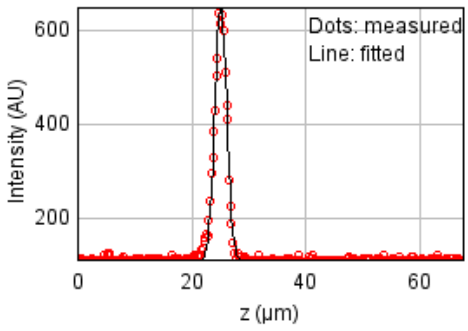




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 573.869 (brightness)
B = 121.498 (background)
a = 0.790 px
b = -0.036 px
c = 0.617 px
xc = 6.623 px
yc = 6.659 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27591.2724
Standard deviation: 9.48018
R^2: 0.98803
Parameters:
a = 110.73033
b = 649.39774
c = 25.17111
d = 1.02943

Bead 1282

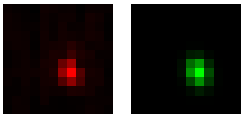
Date : Mon Oct 17 13:52:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

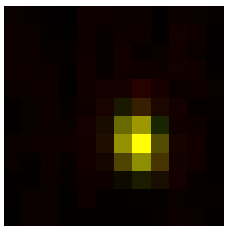
Coordinates : -136 um (x), -38.8 um (y), 24.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	507 nm	528 nm	270 nm
z	2.17 um	2.18 um	1.3 um
Asymmetry	0.758		
Theta	-74.8°		

XY profile & fitting parameters :

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

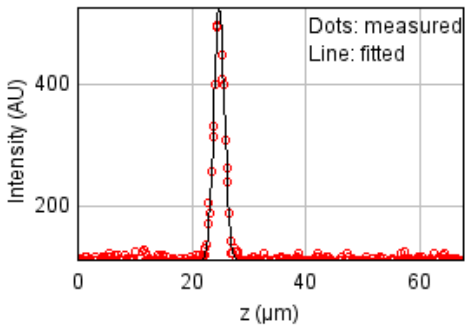




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 455.086 (brightness)
B = 118.611 (background)
a = 0.882 px
b = -0.098 px
c = 0.549 px
xc = 6.811 px
yc = 6.936 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22131.2958
Standard deviation: 8.49052
R^2: 0.98207
Parameters:
a = 111.77929
b = 525.82578
c = 24.88853
d = 0.92187

Bead 1283

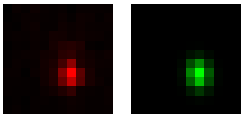
Date : Mon Oct 17 13:52:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

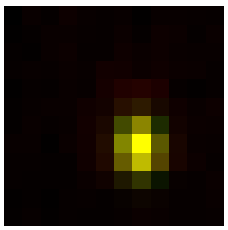
Coordinates : -16.7 um (x), -44.6 um (y), 25.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	412 nm	270 nm
max	528 nm	550 nm	270 nm
z	1.94 um	1.95 um	1.3 um
Asymmetry	0.748		
Theta	-85.6°		

XY profile & fitting parameters :

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

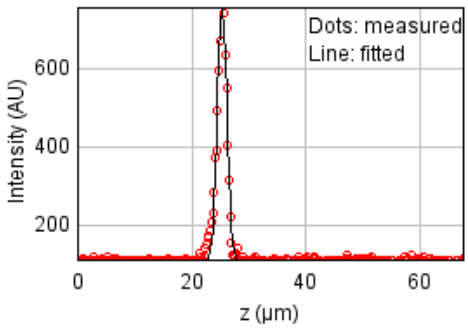




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

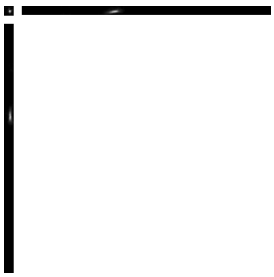
Parameters:
A = 656.328 (brightness)
B = 123.500 (background)
a = 0.857 px
b = -0.029 px
c = 0.483 px
xc = 6.884 px
yc = 7.170 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40711.5428
Standard deviation: 11.51568
R^2: 0.98477
Parameters:
a = 113.99775
b = 757.44503
c = 25.40678
d = 0.82492

Bead 1284



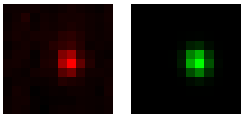
Date : Mon Oct 17 13:52:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

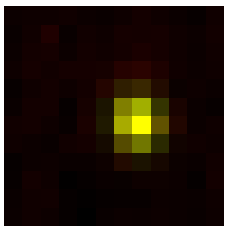
Coordinates : 142 um (x), -66.9 um (y), 25.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	489 nm	509 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.852		
Theta	-79.3°		

XY profile & fitting parameters :

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

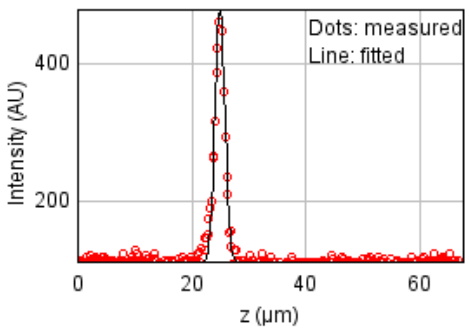




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 394.344 (brightness)
B = 119.069 (background)
a = 0.765 px
b = -0.038 px
c = 0.569 px
xc = 6.751 px
yc = 5.814 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22091.9514
Standard deviation: 8.48297
R^2: 0.97580
Parameters:
a = 111.37756
b = 478.32631
c = 25.01823
d = 0.85979

Bead 1285

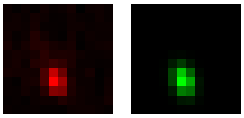
Date : Mon Oct 17 13:52:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

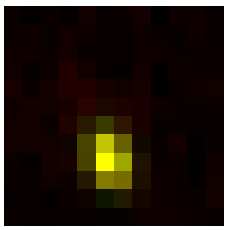
Coordinates : 130 um (x), -84.6 um (y), 21.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	379 nm	394 nm	270 nm
max	549 nm	572 nm	270 nm
z	1.97 um	1.98 um	1.3 um
Asymmetry	0.69		
Theta	-72.2°		

XY profile & fitting parameters :

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

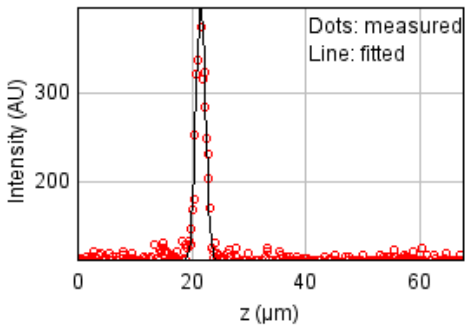




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 357.517 (brightness)
B = 118.806 (background)
a = 0.890 px
b = -0.143 px
c = 0.491 px
xc = 5.232 px
yc = 7.830 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23983.4587
Standard deviation: 8.83867
R^2: 0.95657
Parameters:
a = 111.29035
b = 397.58172
c = 21.64616
d = 0.83649

Bead 1286

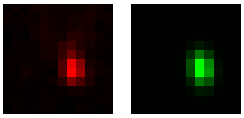
Date : Mon Oct 17 13:52:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

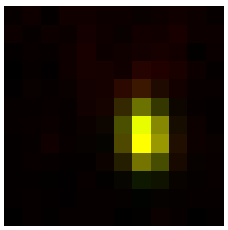
Coordinates : 32.4 um (x), 87.3 um (y), 25.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	585 nm	610 nm	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.66		
Theta	-83.8°		

XY profile & fitting parameters :

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

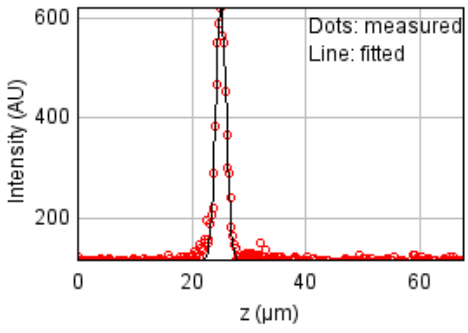




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 572.255 (brightness)
B = 125.463 (background)
a = 0.894 px
b = -0.055 px
c = 0.398 px
xc = 7.180 px
yc = 6.531 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34816.6932
Standard deviation: 10.64939
R^2: 0.98098
Parameters:
a = 115.56067
b = 624.50757
c = 25.19853
d = 0.90317

Bead 1287

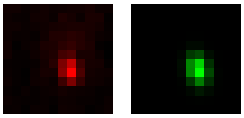
Date : Mon Oct 17 13:52:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

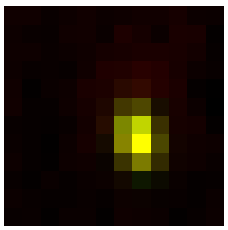
Coordinates : 119 um (x), 65.1 um (y), 25.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	368 nm	384 nm	270 nm
max	553 nm	576 nm	270 nm
z	1.92 um	1.93 um	1.3 um
Asymmetry	0.666		
Theta	-79.1°		

XY profile & fitting parameters :

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

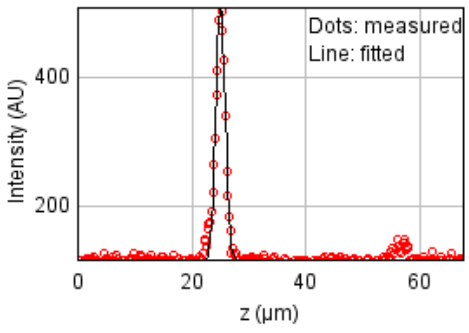




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.933

Parameters:
A = 425.189 (brightness)
B = 119.970 (background)
a = 0.969 px
b = -0.102 px
c = 0.459 px
xc = 6.804 px
yc = 6.656 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29128.8859
Standard deviation: 9.74076
R^2: 0.97101
Parameters:
a = 114.66655
b = 508.45512
c = 25.11987
d = 0.81567

Bead 1288

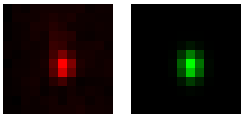
Date : Mon Oct 17 13:52:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

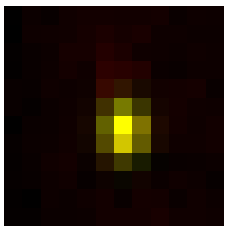
Coordinates : 107 um (x), 63.4 um (y), 25.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	520 nm	542 nm	270 nm
z	2.08 um	2.09 um	1.3 um
Asymmetry	0.745		
Theta	-87.7°		

XY profile & fitting parameters :

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

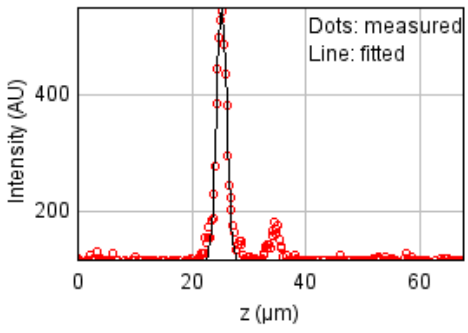




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 468.786 (brightness)
B = 124.851 (background)
a = 0.892 px
b = -0.016 px
c = 0.496 px
xc = 6.050 px
yc = 6.244 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51672.9954
Standard deviation: 12.97366
R^2: 0.96091
Parameters:
a = 116.95834
b = 549.47274
c = 25.31656
d = 0.88370

Bead 1289 (Rejected)

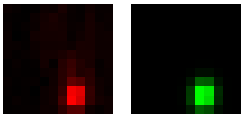
Date : Mon Oct 17 13:52:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 101 um (x), 53.0 um (y), 22.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	516 nm	537 nm	270 nm
z	3.27 um	3.29 um	1.3 um
Asymmetry	0.791		
Theta	85.4°		

XY profile & fitting parameters :

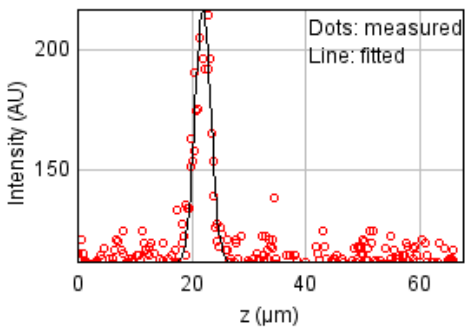
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted 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 = 478.255 (brightness)
B = 124.276 (background)
a = 0.803 px
b = 0.024 px
c = 0.506 px
xc = 7.421 px
yc = 9.474 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16263.0098
Standard deviation: 7.27832
R^2: 0.87617
Parameters:
a = 111.85570
b = 217.10626
c = 22.04942
d = 1.39046

Bead 1290 (Rejected)

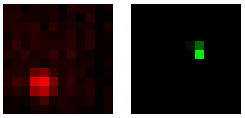
Date : Mon Oct 17 13:52:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

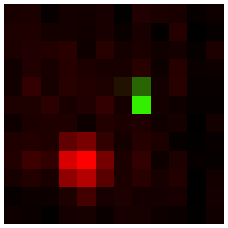
Coordinates : -120 um (x), 53.9 um (y), 7.66 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	98.6 nm	103 nm	270 nm
max	167 nm	174 nm	270 nm
z	2.12 um	2.13 um	1.3 um
Asymmetry	0.589		
Theta	-53.8°		

XY profile & fitting parameters :

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

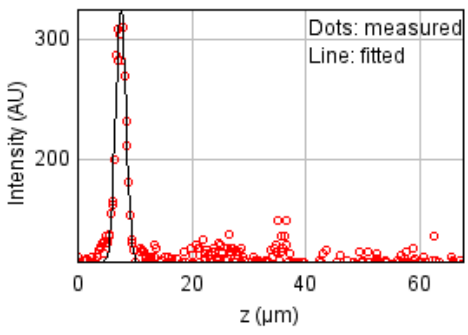




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.003

Parameters:
A = 121.597 (brightness)
B = 122.766 (background)
a = 10.660 px
b = -4.305 px
c = 7.941 px
xc = 6.743 px
yc = 4.413 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29428.9999
Standard deviation: 9.79081
R^2: 0.91120
Parameters:
a = 115.28541
b = 324.14153
c = 7.66250
d = 0.90185

Bead 1291

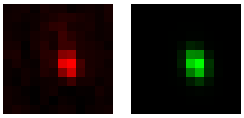
Date : Mon Oct 17 13:52:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

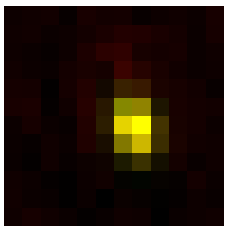
Coordinates : -103 um (x), 53.3 um (y), 25.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	378 nm	394 nm	270 nm
max	535 nm	557 nm	270 nm
z	2.33 um	2.34 um	1.3 um
Asymmetry	0.706		
Theta	-75.7°		

XY profile & fitting parameters :

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

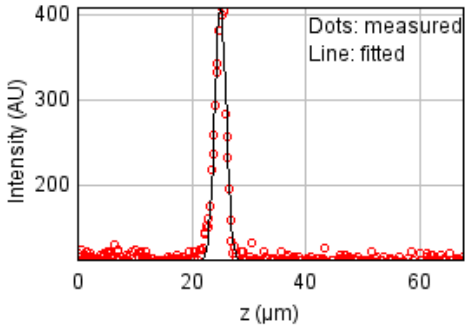




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.936

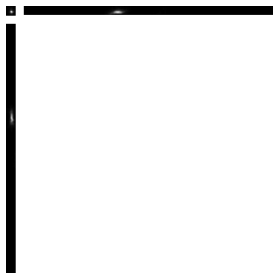
Parameters:
A = 349.234 (brightness)
B = 119.470 (background)
a = 0.911 px
b = -0.113 px
c = 0.497 px
xc = 6.615 px
yc = 6.079 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28319.2416
Standard deviation: 9.60443
R^2: 0.95878
Parameters:
a = 112.90277
b = 408.23860
c = 25.10680
d = 0.98840

Bead 1292



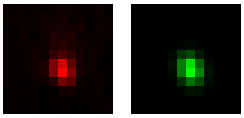
Date : Mon Oct 17 13:52:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

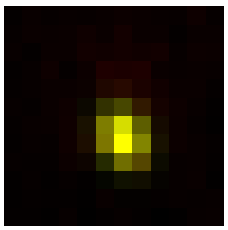
Coordinates : -102 um (x), 16.0 um (y), 25.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	543 nm	566 nm	270 nm
z	2.18 um	2.19 um	1.3 um
Asymmetry	0.78		
Theta	-68.8°		

XY profile & fitting parameters :

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

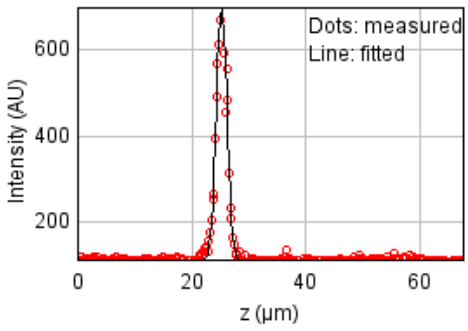




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 638.766 (brightness)
B = 123.725 (background)
a = 0.710 px
b = -0.099 px
c = 0.494 px
xc = 5.993 px
yc = 6.647 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 48870.3877
Standard deviation: 12.61693
R^2: 0.98034
Parameters:
a = 112.73680
b = 699.10457
c = 25.31903
d = 0.92458

Bead 1293

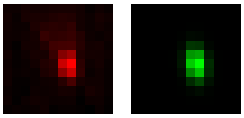
Date : Mon Oct 17 13:52:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

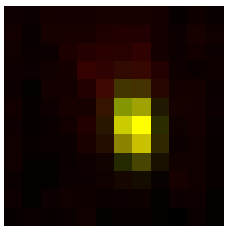
Coordinates : 158 um (x), 9.34 um (y), 25.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	365 nm	380 nm	270 nm
max	610 nm	635 nm	270 nm
z	2.05 um	2.06 um	1.3 um
Asymmetry	0.599		
Theta	-83.2°		

XY profile & fitting parameters :

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

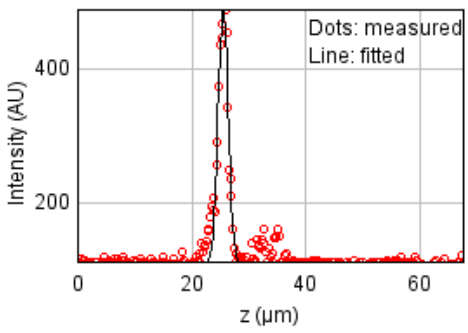




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.916

Parameters:
A = 392.769 (brightness)
B = 118.112 (background)
a = 0.998 px
b = -0.076 px
c = 0.370 px
xc = 6.617 px
yc = 6.038 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 55674.4847
Standard deviation: 13.46663
R^2: 0.94407
Parameters:
a = 113.25572
b = 487.59208
c = 25.58865
d = 0.87225

Bead 1294 (Rejected)

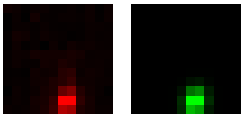
Date : Mon Oct 17 13:52:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

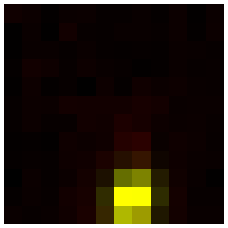
Coordinates : -98.0 um (x), -583 nm (y), 22.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	403 nm	270 nm
max	490 nm	510 nm	270 nm
z	3.26 um	3.27 um	1.3 um
Asymmetry	0.789		
Theta	74.7°		

XY profile & fitting parameters :

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

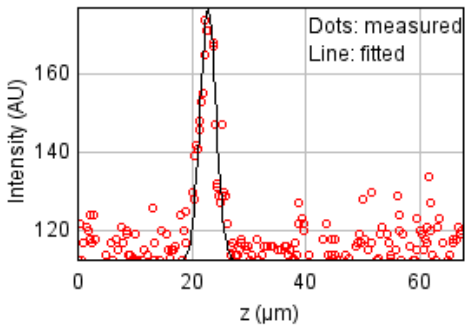




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 528.187 (brightness)
B = 123.108 (background)
a = 0.875 px
b = 0.086 px
c = 0.583 px
xc = 6.486 px
yc = 10.149 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 13658.8320
Standard deviation: 6.67018
R^2: 0.75906
Parameters:
a = 112.28988
b = 176.81360
c = 22.94356
d = 1.38297

Bead 1295

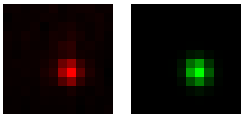
Date : Mon Oct 17 13:52:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

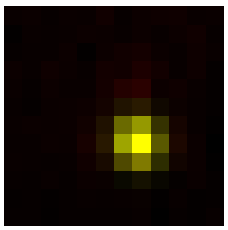
Coordinates : -39.9 um (x), -28.0 um (y), 25.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	438 nm	270 nm
max	466 nm	486 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.902		
Theta	-75.0°		

XY profile & fitting parameters :

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

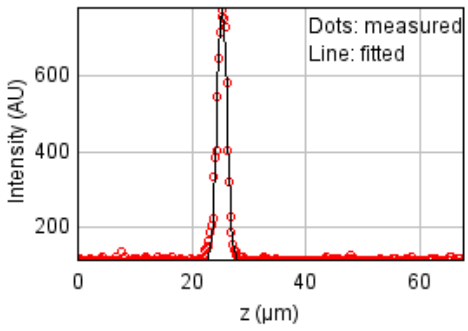




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 659.611 (brightness)
B = 125.250 (background)
a = 0.749 px
b = -0.035 px
c = 0.626 px
xc = 6.789 px
yc = 6.898 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38908.6220
Standard deviation: 11.25781
R^2: 0.98692
Parameters:
a = 113.64694
b = 783.44382
c = 25.39860
d = 0.84973

Bead 1296

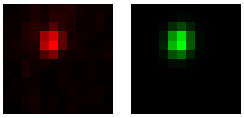
Date : Mon Oct 17 13:52:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

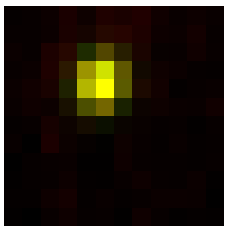
Coordinates : -87.8 um (x), -35.0 um (y), 10.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	512 nm	534 nm	270 nm
z	2.42 um	2.43 um	1.3 um
Asymmetry	0.857		
Theta	76.6°		

XY profile & fitting parameters :

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

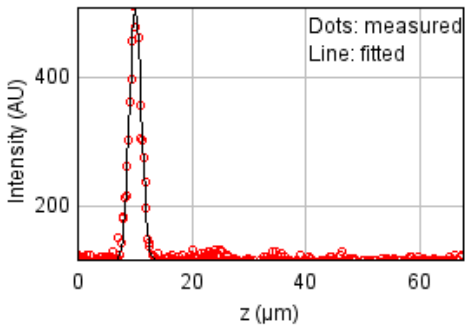




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

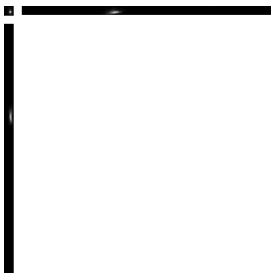
Parameters:
A = 393.261 (brightness)
B = 119.450 (background)
a = 0.687 px
b = 0.042 px
c = 0.521 px
xc = 4.767 px
yc = 3.638 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33535.1042
Standard deviation: 10.45155
R^2: 0.97359
Parameters:
a = 114.33289
b = 511.90276
c = 10.20486
d = 1.02597

Bead 1297



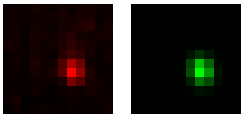
Date : Mon Oct 17 13:52:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

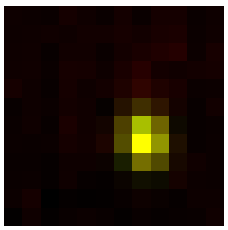
Coordinates : -123 um (x), 85.1 um (y), 25.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	493 nm	513 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.794		
Theta	-79.9°		

XY profile & fitting parameters :

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

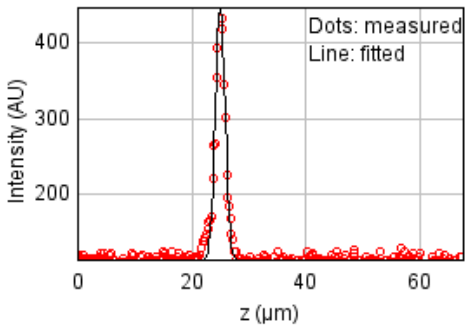




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.941

Parameters:
A = 353.732 (brightness)
B = 119.825 (background)
a = 0.867 px
b = -0.056 px
c = 0.562 px
xc = 7.178 px
yc = 6.776 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22050.6837
Standard deviation: 8.47504
R^2: 0.97055
Parameters:
a = 113.39398
b = 446.40381
c = 25.07098
d = 0.85120

Bead 1298

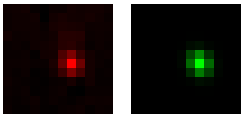
Date : Mon Oct 17 13:52:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

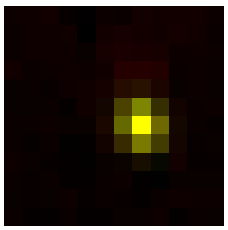
Coordinates : -66.7 um (x), 84.8 um (y), 25.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	379 nm	395 nm	270 nm
max	451 nm	470 nm	270 nm
z	1.84 um	1.85 um	1.3 um
Asymmetry	0.84		
Theta	-67.2°		

XY profile & fitting parameters :

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

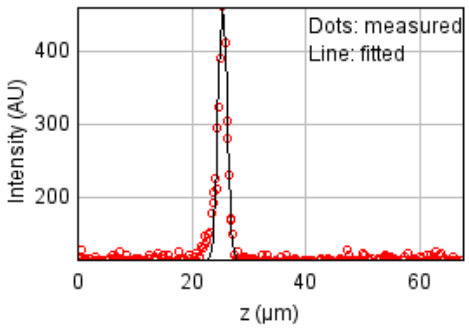




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 359.477 (brightness)
B = 122.257 (background)
a = 0.893 px
b = -0.098 px
c = 0.701 px
xc = 6.998 px
yc = 5.964 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32277.4078
Standard deviation: 10.25369
R^2: 0.95750
Parameters:
a = 113.49449
b = 460.46126
c = 25.48798
d = 0.78181

Bead 1299

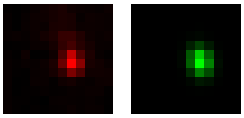
Date : Mon Oct 17 13:52:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

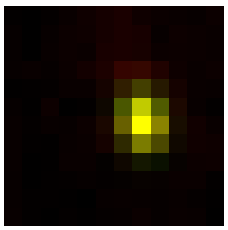
Coordinates : 136 um (x), 71.7 um (y), 25.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	538 nm	560 nm	270 nm
z	1.89 um	1.89 um	1.3 um
Asymmetry	0.745		
Theta	-80.3°		

XY profile & fitting parameters :

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

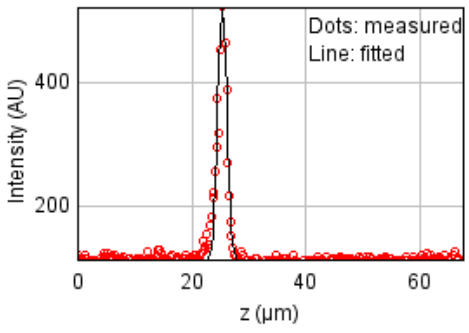




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.940

Parameters:
A = 444.003 (brightness)
B = 118.980 (background)
a = 0.825 px
b = -0.062 px
c = 0.475 px
xc = 7.074 px
yc = 5.751 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46199.9784
Standard deviation: 12.26738
R^2: 0.95739
Parameters:
a = 113.05087
b = 522.92481
c = 25.43712
d = 0.80050

Bead 1300

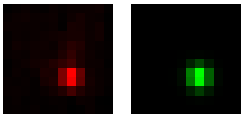
Date : Mon Oct 17 13:52:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

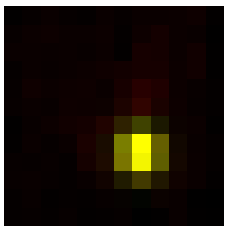
Coordinates : -66.9 um (x), 66.9 um (y), 25.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	437 nm	456 nm	270 nm
z	1.94 um	1.95 um	1.3 um
Asymmetry	0.908		
Theta	-84.0°		

XY profile & fitting parameters :

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

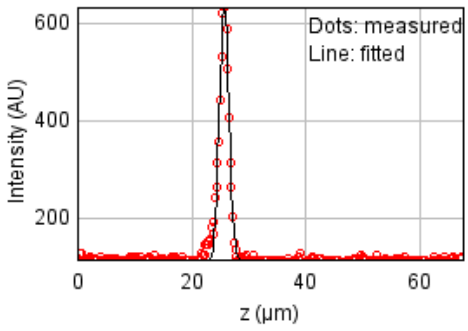




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

Parameters:
A = 595.367 (brightness)
B = 124.253 (background)
a = 0.849 px
b = -0.016 px
c = 0.703 px
xc = 6.925 px
yc = 7.470 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30733.2930
Standard deviation: 10.00542
R^2: 0.98235
Parameters:
a = 114.57782
b = 632.98477
c = 25.76948
d = 0.82569