Bead 1

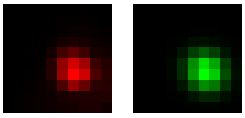
Date : Thu Jul 14 17:33:26 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

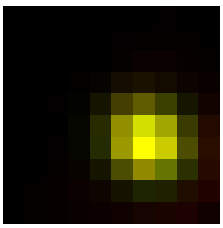
Coordinates : 55.5 um (x), 13.5 um (y), 1.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	302 nm	308 nm	190 nm
max	330 nm	337 nm	190 nm
z	856 nm	858 nm	642 nm
Asymmetry	0.914		
Theta	-41.6°		

XY profile & fitting parameters :

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

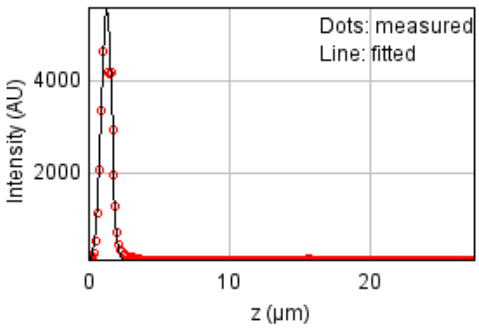




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 5995.131 (brightness)
B = 214.440 (background)
a = 0.372 px
b = -0.034 px
c = 0.380 px
xc = 6.168 px
yc = 5.698 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 3638510.96
Standard deviation: 123.90467
R^2: 0.97762
Parameters:
a = 119.78819
b = 5598.98121
c = 1.29751
d = 0.36340

Bead 2

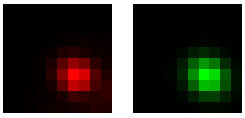
Date : Thu Jul 14 17:33:27 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

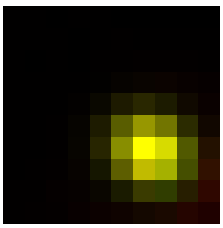
Coordinates : 56.4 um (x), -18.9 um (y), 1.27 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	287 nm	293 nm	190 nm
max	331 nm	338 nm	190 nm
z	816 nm	818 nm	642 nm
Asymmetry	0.868		
Theta	-32.4°		

XY profile & fitting parameters :

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

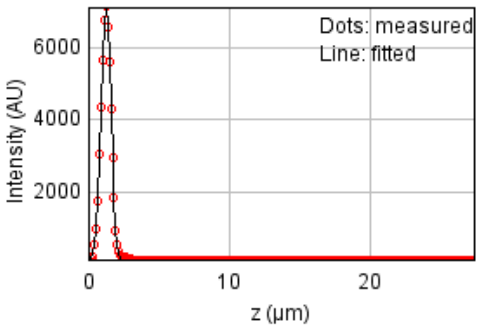




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 7079.113 (brightness)
B = 211.960 (background)
a = 0.373 px
b = -0.050 px
c = 0.420 px
xc = 6.311 px
yc = 6.163 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 131315.370
Standard deviation: 23.53876
R^2: 0.99947
Parameters:
a = 113.83440
b = 7091.17732
c = 1.27417
d = 0.34653

Bead 3

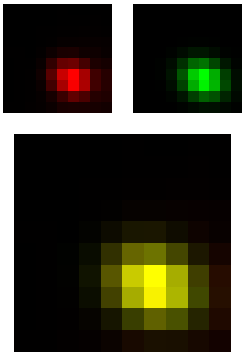
Date : Thu Jul 14 17:33:27 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

Coordinates : 8.81 um (x), 10.9 um (y), 1.51 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	288 nm	294 nm	190 nm
max	357 nm	364 nm	190 nm
z	893 nm	895 nm	642 nm
Asymmetry	0.808		
Theta	-21.5°		

XY profile & fitting parameters :

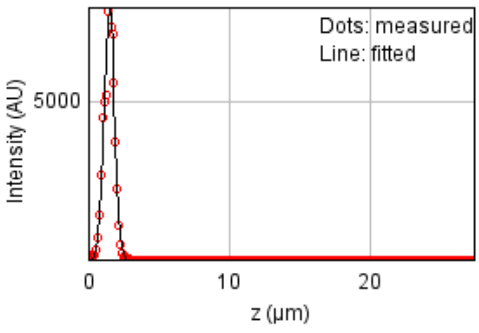
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 8374.147 (brightness)
B = 193.939 (background)
a = 0.314 px
b = -0.053 px
c = 0.428 px
xc = 5.944 px
yc = 6.426 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 3315537.80
Standard deviation: 118.27769
R^2: 0.99010
Parameters:
a = 110.69729
b = 7866.48887
c = 1.51436
d = 0.37942

Bead 4

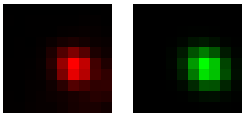
Date : Thu Jul 14 17:33:27 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

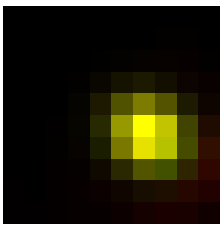
Coordinates : 53.7 um (x), -18.4 um (y), 1.39 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	281 nm	287 nm	190 nm
max	326 nm	333 nm	190 nm
z	817 nm	819 nm	642 nm
Asymmetry	0.861		
Theta	-35.7°		

XY profile & fitting parameters :

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

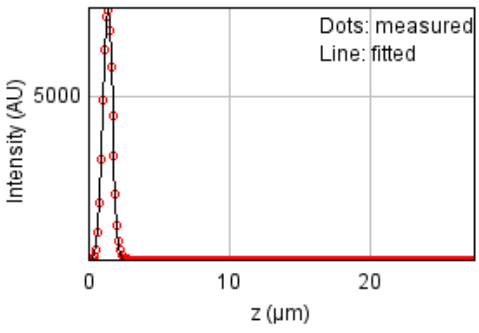




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 7705.845 (brightness)
B = 251.065 (background)
a = 0.392 px
b = -0.058 px
c = 0.430 px
xc = 6.215 px
yc = 5.381 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 413443.601
Standard deviation: 41.76707
R^2: 0.99855
Parameters:
a = 113.44563
b = 7619.57972
c = 1.38580
d = 0.34684

Bead 5

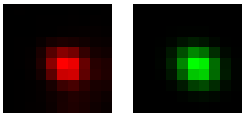
Date : Thu Jul 14 17:33:27 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

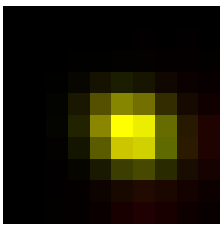
Coordinates : -10.6 um (x), -6.99 um (y), 1.55 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	278 nm	284 nm	190 nm
max	336 nm	343 nm	190 nm
z	884 nm	886 nm	642 nm
Asymmetry	0.828		
Theta	-26.6°		

XY profile & fitting parameters :

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

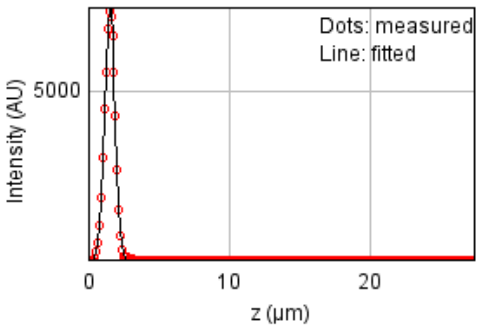




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 7703.387 (brightness)
B = 243.518 (background)
a = 0.361 px
b = -0.061 px
c = 0.451 px
xc = 5.445 px
yc = 5.274 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 267708.731
Standard deviation: 33.60912
R^2: 0.99909
Parameters:
a = 117.42008
b = 7463.00397
c = 1.55420
d = 0.37538

Bead 6

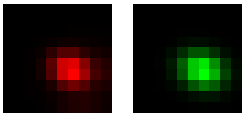
Date : Thu Jul 14 17:33:27 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

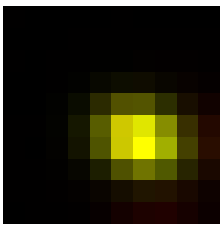
Coordinates : -32.7 um (x), -14.9 um (y), 1.55 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	282 nm	288 nm	190 nm
max	357 nm	364 nm	190 nm
z	858 nm	860 nm	642 nm
Asymmetry	0.791		
Theta	-19.0°		

XY profile & fitting parameters :

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

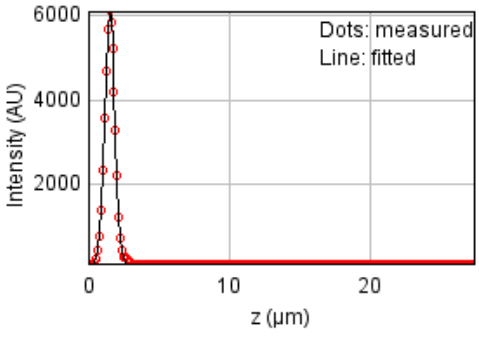




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 7186.057 (brightness)
B = 205.814 (background)
a = 0.312 px
b = -0.054 px
c = 0.450 px
xc = 5.826 px
yc = 5.600 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 191678.188
Standard deviation: 28.43886
R^2: 0.99900
Parameters:
a = 113.61596
b = 6125.35956
c = 1.54793
d = 0.36447

Bead 7

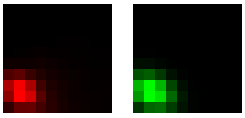
Date : Thu Jul 14 17:33:27 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

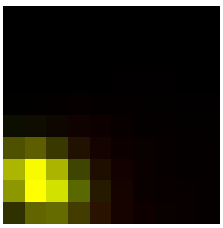
Coordinates : -22.9 um (x), 22.3 um (y), 5.74 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	266 nm	272 nm	190 nm
max	367 nm	374 nm	190 nm
z	748 nm	749 nm	642 nm
Asymmetry	0.726		
Theta	-25.6°		

XY profile & fitting parameters :

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

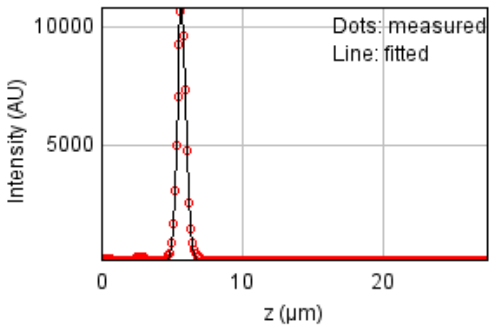




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 11203.383 (brightness)
B = 280.970 (background)
a = 0.324 px
b = -0.097 px
c = 0.480 px
xc = 1.170 px
yc = 7.558 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 959381.195
Standard deviation: 63.62407
R^2: 0.99824
Parameters:
a = 130.08238
b = 10945.5311
c = 5.74134
d = 0.31754

Bead 8

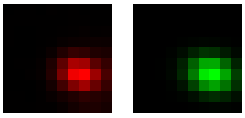
Date : Thu Jul 14 17:33:27 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

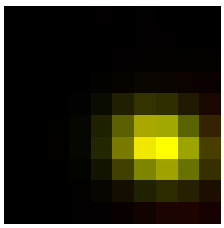
Coordinates : -51.0 um (x), 11.5 um (y), 1.66 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	289 nm	295 nm	190 nm
max	380 nm	388 nm	190 nm
z	812 nm	814 nm	642 nm
Asymmetry	0.76		
Theta	-14.0°		

XY profile & fitting parameters :

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

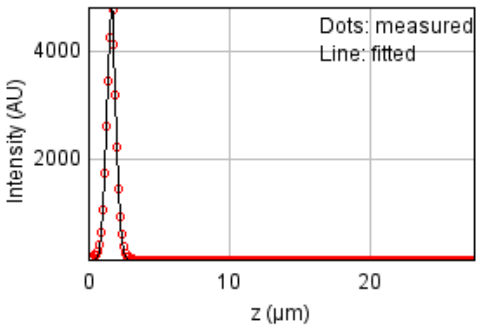




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 4923.924 (brightness)
B = 153.313 (background)
a = 0.270 px
b = -0.044 px
c = 0.437 px
xc = 6.677 px
yc = 5.944 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 192260.310
Standard deviation: 28.48201
R^2: 0.99831
Parameters:
a = 114.58935
b = 4857.68596
c = 1.66272
d = 0.34489

Bead 9

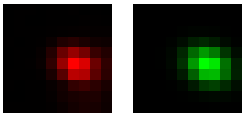
Date : Thu Jul 14 17:33:27 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

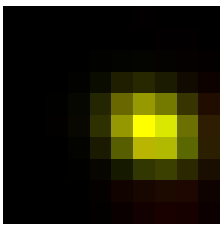
Coordinates : -33.9 um (x), 4.97 um (y), 1.66 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	285 nm	291 nm	190 nm
max	364 nm	371 nm	190 nm
z	864 nm	866 nm	642 nm
Asymmetry	0.784		
Theta	-23.9°		

XY profile & fitting parameters :

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

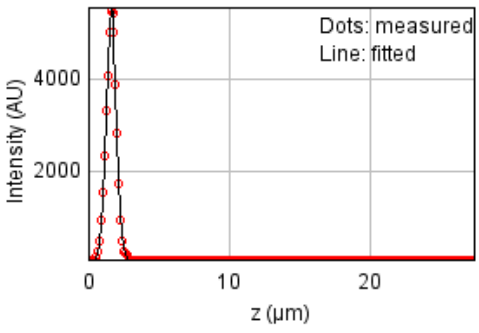




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 5351.815 (brightness)
B = 169.864 (background)
a = 0.311 px
b = -0.066 px
c = 0.430 px
xc = 6.369 px
yc = 5.154 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 263873.181
Standard deviation: 33.36748
R^2: 0.99832
Parameters:
a = 112.38051
b = 5531.07001
c = 1.65530
d = 0.36686

Bead 10

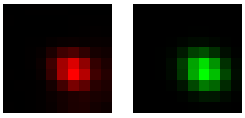
Date : Thu Jul 14 17:33:27 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

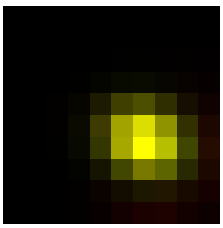
Coordinates : -9.62 um (x), -1.01 um (y), 1.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	280 nm	286 nm	190 nm
max	336 nm	344 nm	190 nm
z	788 nm	790 nm	642 nm
Asymmetry	0.833		
Theta	-25.4°		

XY profile & fitting parameters :

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

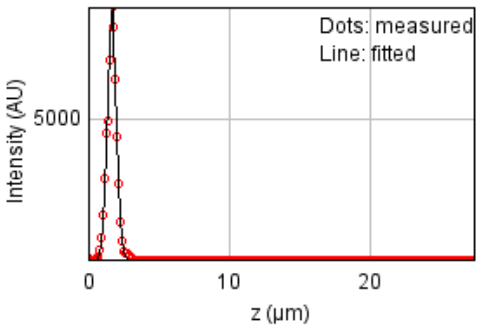




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 8948.944 (brightness)
B = 217.207 (background)
a = 0.356 px
b = -0.056 px
c = 0.448 px
xc = 6.034 px
yc = 5.666 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2385448.37
Standard deviation: 100.32539
R^2: 0.99371
Parameters:
a = 118.91613
b = 8891.68698
c = 1.69844
d = 0.33469

Bead 11

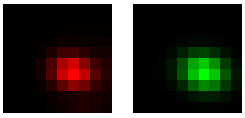
Date : Thu Jul 14 17:33:28 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

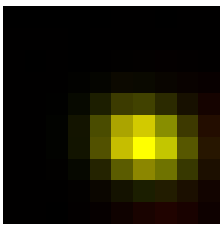
Coordinates : -43.2 um (x), -1.71 um (y), 1.68 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	288 nm	294 nm	190 nm
max	374 nm	382 nm	190 nm
z	811 nm	813 nm	642 nm
Asymmetry	0.769		
Theta	-15.1°		

XY profile & fitting parameters :

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

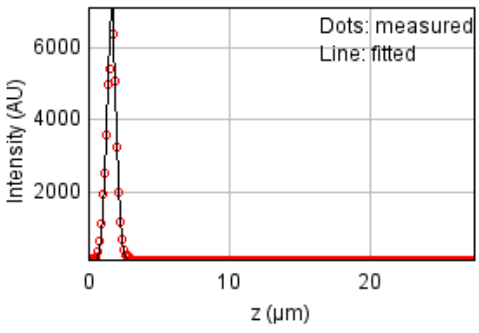




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 7475.538 (brightness)
B = 186.997 (background)
a = 0.279 px
b = -0.046 px
c = 0.438 px
xc = 5.999 px
yc = 5.773 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2167646.04
Standard deviation: 95.63569
R^2: 0.99142
Parameters:
a = 118.48621
b = 7177.16627
c = 1.67572
d = 0.34437

Bead 12

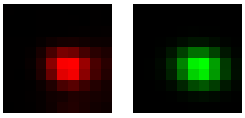
Date : Thu Jul 14 17:33:28 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

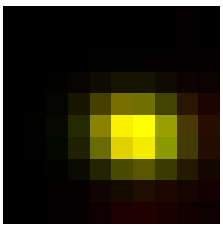
Coordinates : -43.5 um (x), -24.2 um (y), 1.62 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	285 nm	291 nm	190 nm
max	373 nm	381 nm	190 nm
z	946 nm	948 nm	642 nm
Asymmetry	0.762		
Theta	-8.1°		

XY profile & fitting parameters :

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

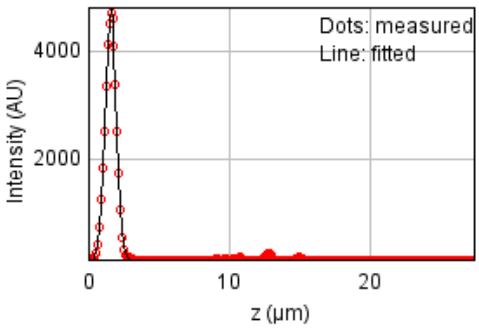




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 5234.443 (brightness)
B = 189.422 (background)
a = 0.271 px
b = -0.027 px
c = 0.457 px
xc = 5.656 px
yc = 5.386 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 242593.527
Standard deviation: 31.99377
R^2: 0.99810
Parameters:
a = 124.58274
b = 4803.00305
c = 1.61936
d = 0.40179

Bead 13

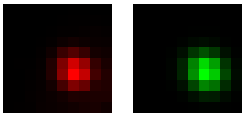
Date : Thu Jul 14 17:33:28 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

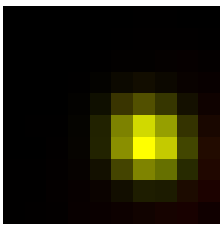
Coordinates : 45.3 um (x), 19.1 um (y), 1.82 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	288 nm	294 nm	190 nm
max	315 nm	322 nm	190 nm
z	771 nm	772 nm	642 nm
Asymmetry	0.914		
Theta	-42.8°		

XY profile & fitting parameters :

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

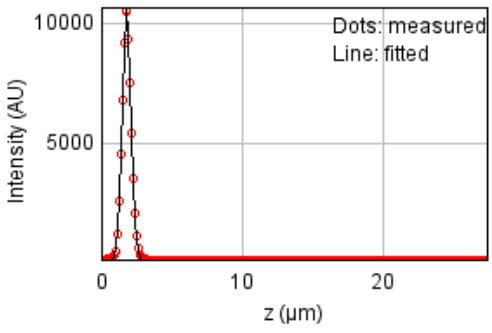




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 10426.916 (brightness)
B = 269.493 (background)
a = 0.410 px
b = -0.037 px
c = 0.416 px
xc = 6.188 px
yc = 5.717 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 597278.060
Standard deviation: 50.20120
R^2: 0.99889
Parameters:
a = 116.79100
b = 10729.4713
c = 1.81962
d = 0.32720

Bead 14

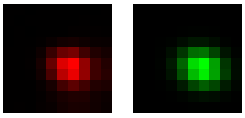
Date : Thu Jul 14 17:33:28 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

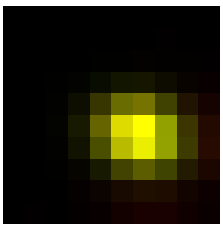
Coordinates : -26.9 um (x), -13.6 um (y), 1.76 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	289 nm	295 nm	190 nm
max	353 nm	360 nm	190 nm
z	834 nm	836 nm	642 nm
Asymmetry	0.818		
Theta	-17.3°		

XY profile & fitting parameters :

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

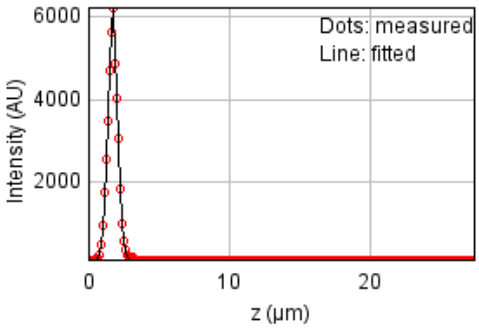




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 6743.307 (brightness)
B = 197.365 (background)
a = 0.313 px
b = -0.042 px
c = 0.435 px
xc = 5.802 px
yc = 5.397 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 481777.420
Standard deviation: 45.08676
R^2: 0.99752
Parameters:
a = 114.48391
b = 6239.26428
c = 1.76103
d = 0.35414

Bead 15

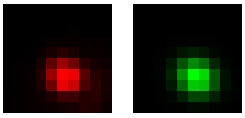
Date : Thu Jul 14 17:33:28 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

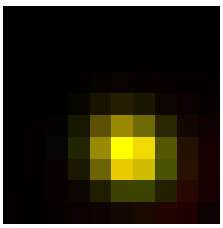
Coordinates : 50.7 um (x), -2.0 um (y), 1.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	283 nm	289 nm	190 nm
max	323 nm	330 nm	190 nm
z	838 nm	840 nm	642 nm
Asymmetry	0.875		
Theta	-30.0°		

XY profile & fitting parameters :

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

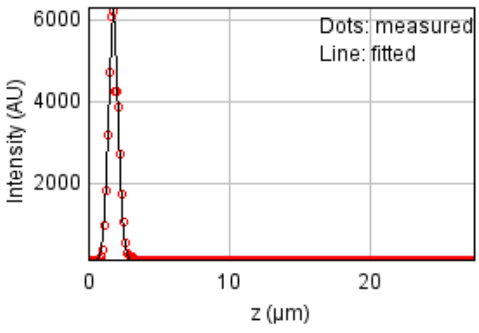




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 6828.564 (brightness)
B = 214.121 (background)
a = 0.384 px
b = -0.047 px
c = 0.439 px
xc = 5.323 px
yc = 6.259 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 4255837.25
Standard deviation: 134.00418
R^2: 0.97963
Parameters:
a = 112.82290
b = 6393.28574
c = 1.80094
d = 0.35580

Bead 16

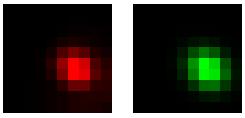
Date : Thu Jul 14 17:33:28 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

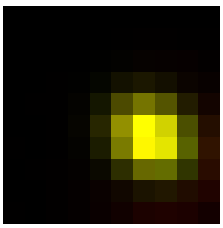
Coordinates : 28.3 um (x), -18.5 um (y), 2.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	284 nm	290 nm	190 nm
max	333 nm	340 nm	190 nm
z	833 nm	835 nm	642 nm
Asymmetry	0.853		
Theta	-38.6°		

XY profile & fitting parameters :

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

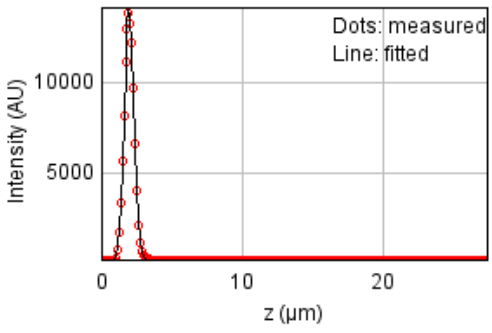




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 15298.598 (brightness)
B = 337.664 (background)
a = 0.386 px
b = -0.062 px
c = 0.414 px
xc = 6.321 px
yc = 5.505 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 937735.253
Standard deviation: 62.90222
R^2: 0.99909
Parameters:
a = 112.12140
b = 14221.3379
c = 1.99644
d = 0.35363

Bead 17

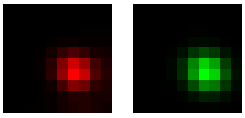
Date : Thu Jul 14 17:33:28 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

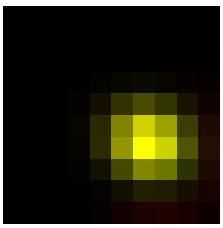
Coordinates : -4.85 um (x), -19.0 um (y), 1.93 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	291 nm	297 nm	190 nm
max	328 nm	335 nm	190 nm
z	790 nm	791 nm	642 nm
Asymmetry	0.888		
Theta	-24.6°		

XY profile & fitting parameters :

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

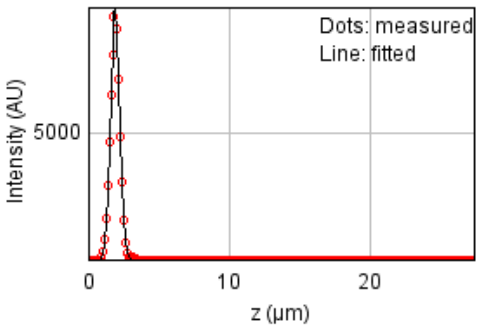




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 10020.871 (brightness)
B = 217.837 (background)
a = 0.363 px
b = -0.035 px
c = 0.424 px
xc = 6.211 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: 638876.588
Standard deviation: 51.91996
R^2: 0.99862
Parameters:
a = 114.03299
b = 9839.05562
c = 1.92763
d = 0.33530

Bead 18

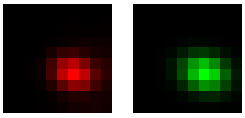
Date : Thu Jul 14 17:33:29 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

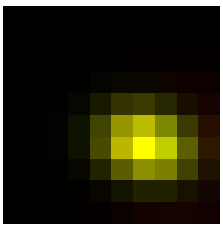
Coordinates : -50.8 um (x), 17.5 um (y), 1.99 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	286 nm	292 nm	190 nm
max	377 nm	385 nm	190 nm
z	833 nm	834 nm	642 nm
Asymmetry	0.758		
Theta	-15.7°		

XY profile & fitting parameters :

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

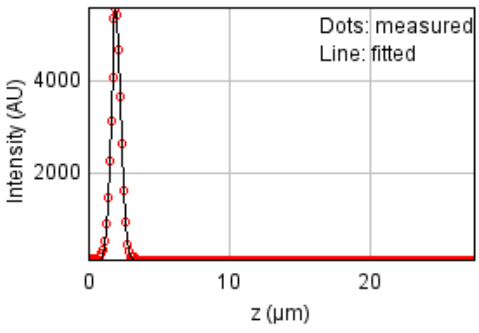




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 5352.364 (brightness)
B = 162.700 (background)
a = 0.277 px
b = -0.051 px
c = 0.443 px
xc = 6.078 px
yc = 5.856 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 229410.735
Standard deviation: 31.11234
R^2: 0.99852
Parameters:
a = 113.69525
b = 5596.04059
c = 1.99413
d = 0.35360

Bead 19

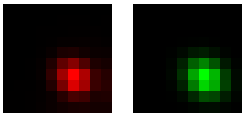
Date : Thu Jul 14 17:33:29 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

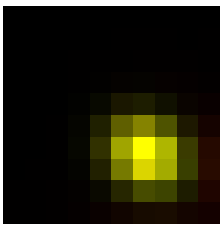
Coordinates : 24.6 um (x), 15.7 um (y), 2.17 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	282 nm	288 nm	190 nm
max	329 nm	336 nm	190 nm
z	797 nm	799 nm	642 nm
Asymmetry	0.857		
Theta	-36.6°		

XY profile & fitting parameters :

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

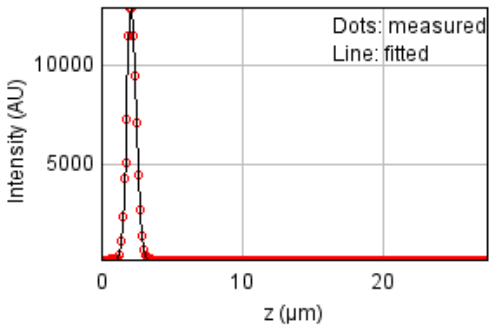




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 12920.724 (brightness)
B = 244.840 (background)
a = 0.390 px
b = -0.060 px
c = 0.426 px
xc = 6.108 px
yc = 6.300 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 3108734.25
Standard deviation: 114.52957
R^2: 0.99621
Parameters:
a = 118.50494
b = 12968.5640
c = 2.17410
d = 0.33843

Bead 20

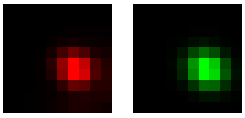
Date : Thu Jul 14 17:33:29 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

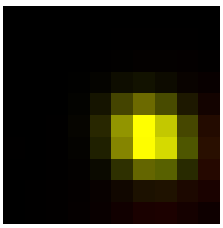
Coordinates : 21.8 um (x), -1.45 um (y), 2.11 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	279 nm	285 nm	190 nm
max	320 nm	327 nm	190 nm
z	839 nm	841 nm	642 nm
Asymmetry	0.872		
Theta	-30.8°		

XY profile & fitting parameters :

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

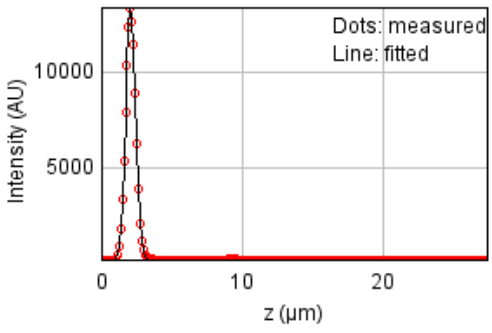




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 14690.631 (brightness)
B = 309.144 (background)
a = 0.394 px
b = -0.051 px
c = 0.449 px
xc = 6.253 px
yc = 5.514 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 537896.733
Standard deviation: 47.64039
R^2: 0.99942
Parameters:
a = 126.54113
b = 13463.4275
c = 2.10923
d = 0.35644

Bead 21 (Rejected)

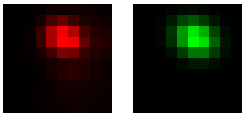
Date : Thu Jul 14 17:33:29 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

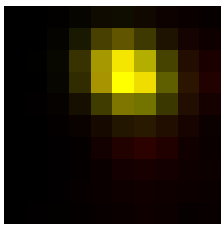
Coordinates : -9.6 um (x), -1.0 um (y), 1.56 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	280 nm	286 nm	190 nm
max	344 nm	351 nm	190 nm
z	1.02 um	1.03 um	642 nm
Asymmetry	0.815		
Theta	-26.7°		

XY profile & fitting parameters :

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

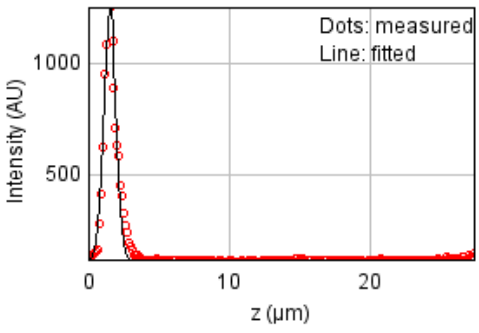




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 7520.849 (brightness)
B = 349.524 (background)
a = 0.347 px
b = -0.064 px
c = 0.442 px
xc = 5.221 px
yc = 2.653 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 213289.892
Standard deviation: 29.99929
R^2: 0.97479
Parameters:
a = 115.16479
b = 1261.89801
c = 1.55958
d = 0.43470

Bead 22

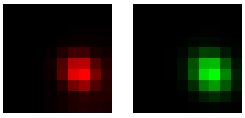
Date : Thu Jul 14 17:33:29 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

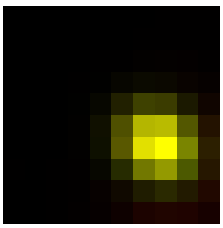
Coordinates : 22.3 um (x), -6.71 um (y), 2.12 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	285 nm	291 nm	190 nm
max	327 nm	334 nm	190 nm
z	754 nm	756 nm	642 nm
Asymmetry	0.871		
Theta	-41.0°		

XY profile & fitting parameters :

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

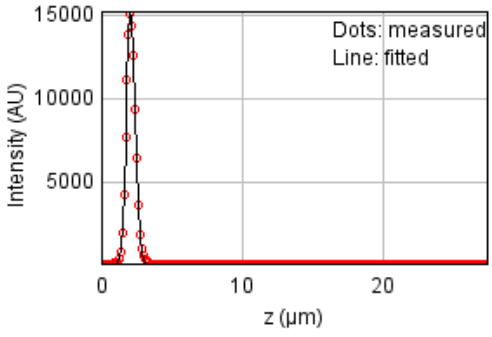




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 15298.717 (brightness)
B = 275.486 (background)
a = 0.397 px
b = -0.055 px
c = 0.412 px
xc = 6.648 px
yc = 5.835 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1196318.73
Standard deviation: 71.04758
R^2: 0.99889
Parameters:
a = 119.21750
b = 15246.4033
c = 2.12220
d = 0.32035

Bead 23

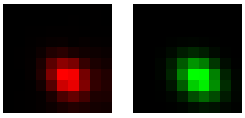
Date : Thu Jul 14 17:33:29 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

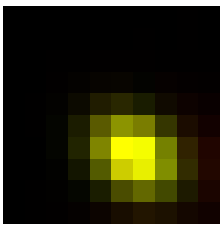
Coordinates : -16.9 um (x), -24.2 um (y), 2.06 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	290 nm	296 nm	190 nm
max	369 nm	376 nm	190 nm
z	821 nm	822 nm	642 nm
Asymmetry	0.787		
Theta	-36.0°		

XY profile & fitting parameters :

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

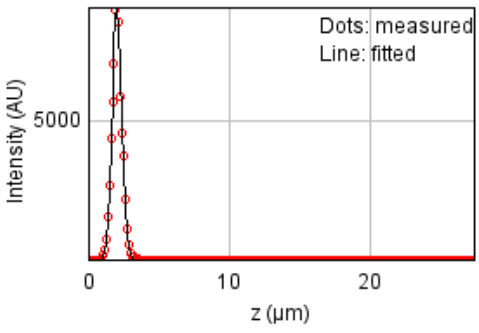




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 10393.897 (brightness)
B = 216.792 (background)
a = 0.333 px
b = -0.080 px
c = 0.385 px
xc = 5.564 px
yc = 6.332 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2616934.12
Standard deviation: 105.08052
R^2: 0.99356
Parameters:
a = 118.13762
b = 9028.78648
c = 2.05688
d = 0.34851

Bead 24

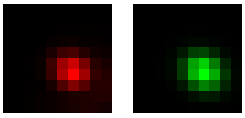
Date : Thu Jul 14 17:33:29 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

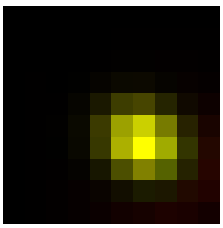
Coordinates : 30.8 um (x), -25.0 um (y), 2.29 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	278 nm	284 nm	190 nm
max	327 nm	334 nm	190 nm
z	698 nm	699 nm	642 nm
Asymmetry	0.85		
Theta	-32.2°		

XY profile & fitting parameters :

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

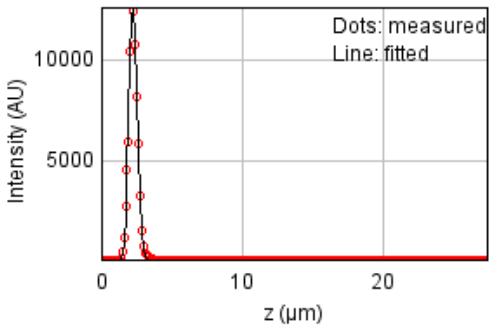




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 12044.449 (brightness)
B = 308.559 (background)
a = 0.388 px
b = -0.061 px
c = 0.446 px
xc = 5.940 px
yc = 5.726 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 3244057.71
Standard deviation: 116.99576
R^2: 0.99525
Parameters:
a = 122.02710
b = 12610.3584
c = 2.28727
d = 0.29632

Bead 25

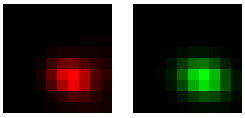
Date : Thu Jul 14 17:33:29 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

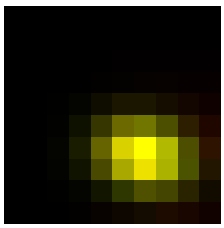
Coordinates : -52.1 um (x), 4.72 um (y), 2.41 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	285 nm	291 nm	190 nm
max	382 nm	390 nm	190 nm
z	841 nm	843 nm	642 nm
Asymmetry	0.744		
Theta	-12.9°		

XY profile & fitting parameters :

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

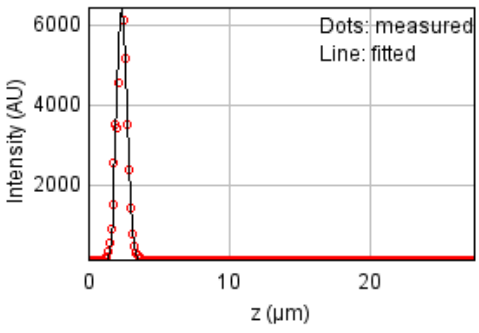




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 7021.939 (brightness)
B = 169.046 (background)
a = 0.266 px
b = -0.045 px
c = 0.451 px
xc = 5.945 px
yc = 6.351 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2882378.36
Standard deviation: 110.28116
R^2: 0.98645
Parameters:
a = 114.45392
b = 6463.34218
c = 2.41011
d = 0.35718

Bead 26

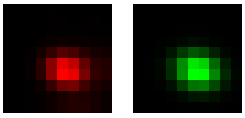
Date : Thu Jul 14 17:33:29 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

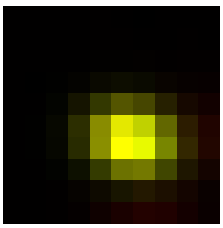
Coordinates : -39.6 um (x), -13.2 um (y), 2.35 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	284 nm	290 nm	190 nm
max	357 nm	365 nm	190 nm
z	812 nm	814 nm	642 nm
Asymmetry	0.794		
Theta	-14.3°		

XY profile & fitting parameters :

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

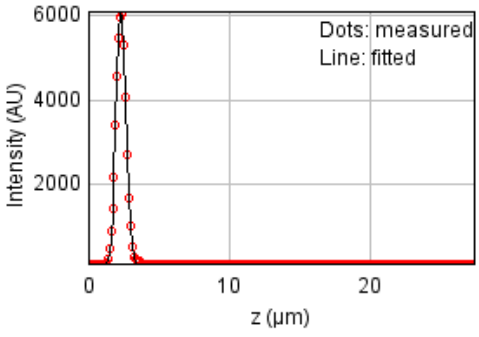




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 6212.196 (brightness)
B = 200.839 (background)
a = 0.303 px
b = -0.041 px
c = 0.453 px
xc = 5.417 px
yc = 5.648 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 158720.918
Standard deviation: 25.87873
R^2: 0.99913
Parameters:
a = 112.96792
b = 6115.51635
c = 2.35094
d = 0.34481

Bead 27

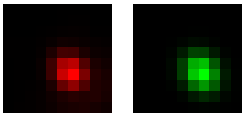
Date : Thu Jul 14 17:33:29 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

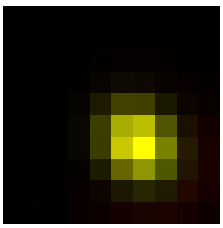
Coordinates : 32.7 um (x), 9.65 um (y), 2.49 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	269 nm	275 nm	190 nm
max	321 nm	327 nm	190 nm
z	703 nm	704 nm	642 nm
Asymmetry	0.84		
Theta	-55.5°		

XY profile & fitting parameters :

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

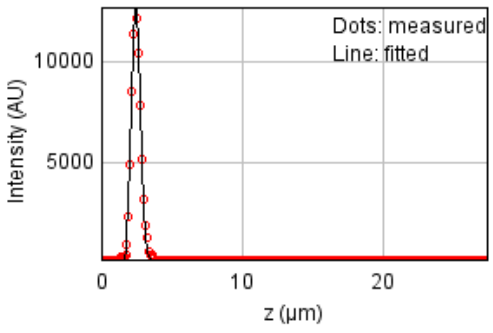




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 12775.978 (brightness)
B = 323.105 (background)
a = 0.465 px
b = -0.070 px
c = 0.411 px
xc = 5.740 px
yc = 5.809 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2684529.13
Standard deviation: 106.42898
R^2: 0.99625
Parameters:
a = 121.92863
b = 12869.4023
c = 2.49127
d = 0.29838

Bead 28

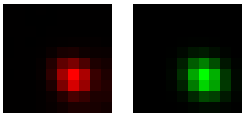
Date : Thu Jul 14 17:33:30 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

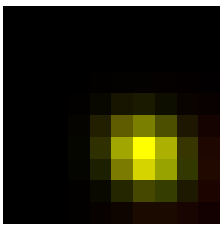
Coordinates : 6.5 um (x), -16.7 um (y), 2.47 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	278 nm	284 nm	190 nm
max	320 nm	327 nm	190 nm
z	773 nm	775 nm	642 nm
Asymmetry	0.869		
Theta	-34.7°		

XY profile & fitting parameters :

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

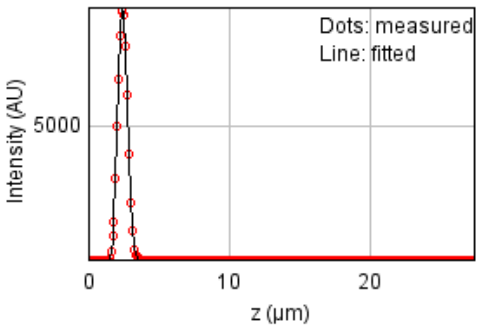




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 9127.289 (brightness)
B = 194.715 (background)
a = 0.402 px
b = -0.055 px
c = 0.444 px
xc = 6.077 px
yc = 6.298 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 300284.993
Standard deviation: 35.59530
R^2: 0.99926
Parameters:
a = 116.13512
b = 9310.53947
c = 2.46979
d = 0.32845

Bead 29

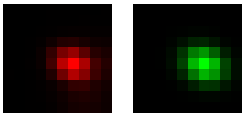
Date : Thu Jul 14 17:33:30 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

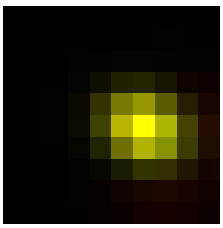
Coordinates : -26.3 um (x), 12.7 um (y), 2.72 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	279 nm	285 nm	190 nm
max	347 nm	355 nm	190 nm
z	767 nm	769 nm	642 nm
Asymmetry	0.804		
Theta	-25.6°		

XY profile & fitting parameters :

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

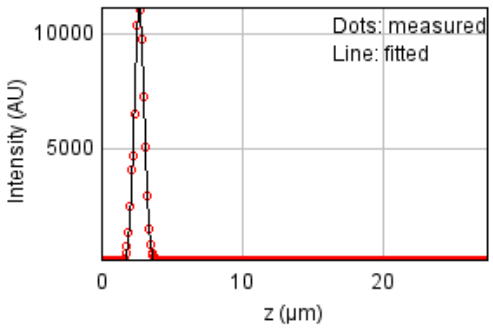




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 10987.779 (brightness)
B = 272.904 (background)
a = 0.341 px
b = -0.066 px
c = 0.447 px
xc = 6.022 px
yc = 5.105 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 3972537.33
Standard deviation: 129.46722
R^2: 0.99337
Parameters:
a = 120.16530
b = 11293.8020
c = 2.71963
d = 0.32577

Bead 30

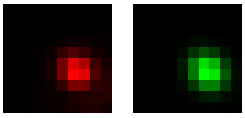
Date : Thu Jul 14 17:33:30 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

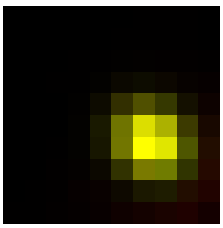
Coordinates : 39.2 um (x), -3.1 um (y), 2.69 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	272 nm	278 nm	190 nm
max	313 nm	320 nm	190 nm
z	754 nm	756 nm	642 nm
Asymmetry	0.87		
Theta	-45.1°		

XY profile & fitting parameters :

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

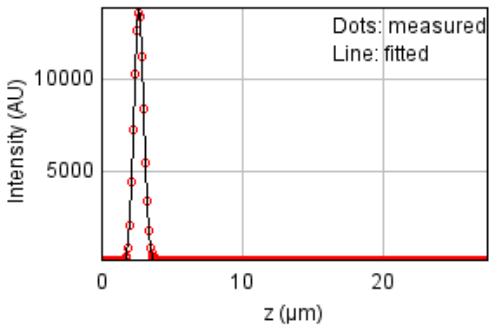




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 14428.655 (brightness)
B = 307.470 (background)
a = 0.442 px
b = -0.061 px
c = 0.441 px
xc = 6.339 px
yc = 5.707 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 679801.114
Standard deviation: 53.55706
R^2: 0.99925
Parameters:
a = 114.09395
b = 14005.0637
c = 2.69346
d = 0.32026

Bead 31

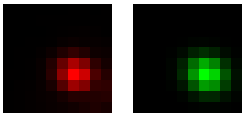
Date : Thu Jul 14 17:33:30 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

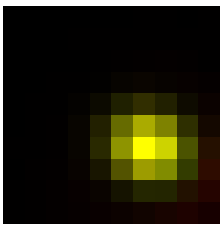
Coordinates : 55.5 um (x), -9.97 um (y), 2.62 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	282 nm	288 nm	190 nm
max	325 nm	332 nm	190 nm
z	744 nm	745 nm	642 nm
Asymmetry	0.868		
Theta	-23.1°		

XY profile & fitting parameters :

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

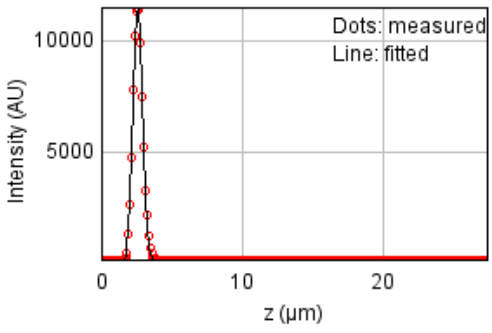




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 11086.673 (brightness)
B = 271.001 (background)
a = 0.371 px
b = -0.042 px
c = 0.451 px
xc = 6.237 px
yc = 5.971 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1295164.76
Standard deviation: 73.92449
R^2: 0.99791
Parameters:
a = 115.16120
b = 11678.2135
c = 2.61624
d = 0.31588

Bead 32

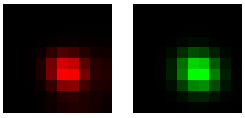
Date : Thu Jul 14 17:33:30 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

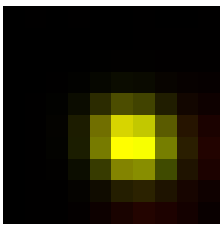
Coordinates : -12.9 um (x), -25.4 um (y), 2.67 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	293 nm	299 nm	190 nm
max	330 nm	337 nm	190 nm
z	814 nm	816 nm	642 nm
Asymmetry	0.887		
Theta	-25.3°		

XY profile & fitting parameters :

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

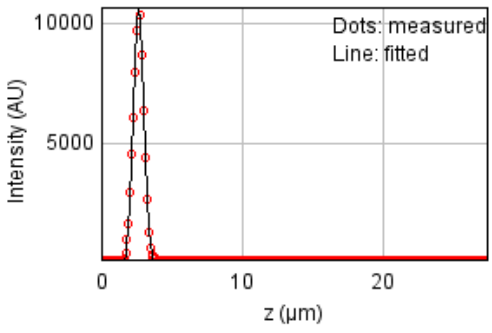




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 11645.050 (brightness)
B = 282.642 (background)
a = 0.359 px
b = -0.036 px
c = 0.418 px
xc = 5.484 px
yc = 5.753 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1054507.68
Standard deviation: 66.70382
R^2: 0.99812
Parameters:
a = 119.97786
b = 10637.8635
c = 2.67292
d = 0.34582

Bead 33

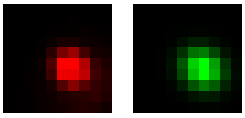
Date : Thu Jul 14 17:33:30 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

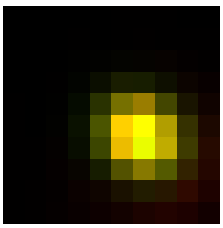
Coordinates : 43.6 um (x), -286 nm (y), 2.77 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	304 nm	311 nm	190 nm
max	349 nm	357 nm	190 nm
z	729 nm	731 nm	642 nm
Asymmetry	0.872		
Theta	-39.1°		

XY profile & fitting parameters :

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

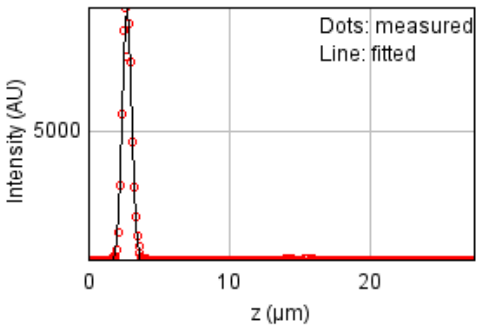




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 9755.269 (brightness)
B = 243.206 (background)
a = 0.345 px
b = -0.047 px
c = 0.364 px
xc = 5.864 px
yc = 5.468 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 7024813.53
Standard deviation: 172.16435
R^2: 0.98342
Parameters:
a = 123.77522
b = 9700.29280
c = 2.76715
d = 0.30961

Bead 34

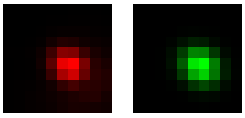
Date : Thu Jul 14 17:33:30 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

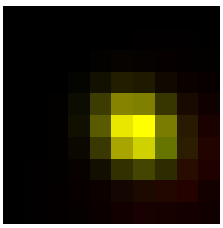
Coordinates : 33.0 um (x), -17.2 um (y), 2.76 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	272 nm	278 nm	190 nm
max	321 nm	328 nm	190 nm
z	741 nm	742 nm	642 nm
Asymmetry	0.848		
Theta	-37.7°		

XY profile & fitting parameters :

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

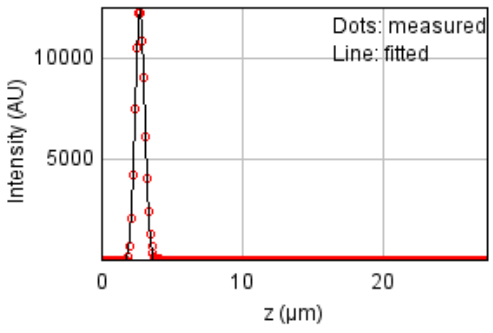




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 12620.356 (brightness)
B = 383.956 (background)
a = 0.415 px
b = -0.068 px
c = 0.451 px
xc = 5.664 px
yc = 5.225 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2154714.93
Standard deviation: 95.35001
R^2: 0.99694
Parameters:
a = 115.53313
b = 12445.7265
c = 2.76398
d = 0.31461

Bead 35

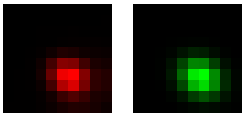
Date : Thu Jul 14 17:33:30 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

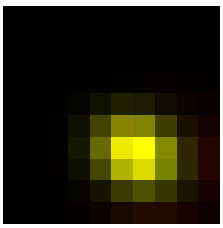
Coordinates : -14.3 um (x), 7.04 um (y), 2.98 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	287 nm	293 nm	190 nm
max	341 nm	349 nm	190 nm
z	787 nm	789 nm	642 nm
Asymmetry	0.839		
Theta	-30.5°		

XY profile & fitting parameters :

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

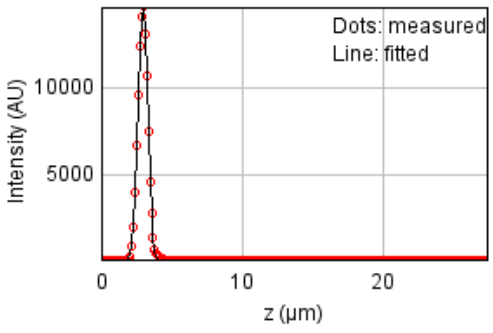




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 15409.777 (brightness)
B = 270.548 (background)
a = 0.355 px
b = -0.059 px
c = 0.420 px
xc = 5.678 px
yc = 6.270 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 439327.084
Standard deviation: 43.05463
R^2: 0.99958
Parameters:
a = 119.97827
b = 14689.8067
c = 2.97818
d = 0.33433

Bead 36

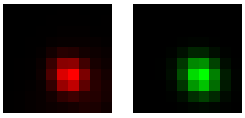
Date : Thu Jul 14 17:33:30 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

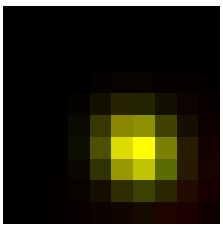
Coordinates : 43.0 um (x), 17.0 um (y), 3.11 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	281 nm	287 nm	190 nm
max	315 nm	322 nm	190 nm
z	688 nm	690 nm	642 nm
Asymmetry	0.892		
Theta	-44.8°		

XY profile & fitting parameters :

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

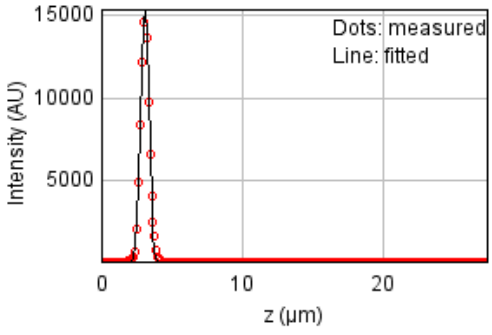




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 15770.405 (brightness)
B = 332.528 (background)
a = 0.423 px
b = -0.048 px
c = 0.424 px
xc = 5.701 px
yc = 6.144 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2945933.96
Standard deviation: 111.49036
R^2: 0.99706
Parameters:
a = 128.83116
b = 15367.6093
c = 3.10621
d = 0.29235

Bead 37

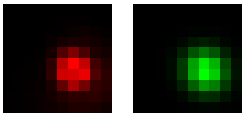
Date : Thu Jul 14 17:33:31 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

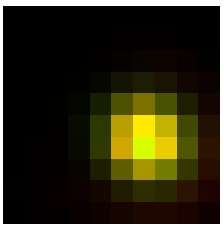
Coordinates : 54.7 um (x), 14.3 um (y), 3.02 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	330 nm	337 nm	190 nm
max	353 nm	361 nm	190 nm
z	778 nm	780 nm	642 nm
Asymmetry	0.933		
Theta	-47.8°		

XY profile & fitting parameters :

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

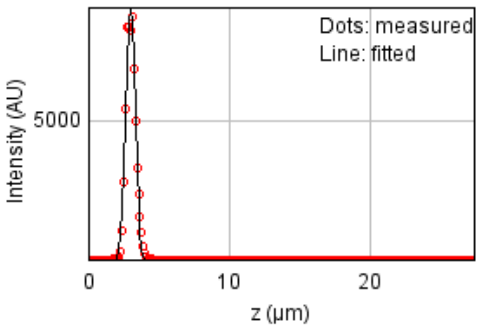




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 8633.518 (brightness)
B = 215.956 (background)
a = 0.324 px
b = -0.022 px
c = 0.319 px
xc = 6.132 px
yc = 5.650 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 4838678.64
Standard deviation: 142.88585
R^2: 0.98738
Parameters:
a = 116.17272
b = 8963.24438
c = 3.01888
d = 0.33047

Bead 38

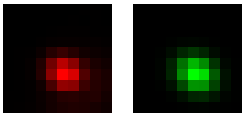
Date : Thu Jul 14 17:33:31 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

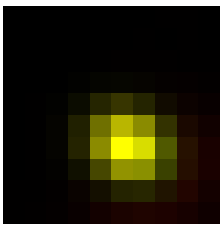
Coordinates : 22.3 um (x), -19.8 um (y), 3.12 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	278 nm	284 nm	190 nm
max	329 nm	336 nm	190 nm
z	801 nm	803 nm	642 nm
Asymmetry	0.844		
Theta	-31.0°		

XY profile & fitting parameters :

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

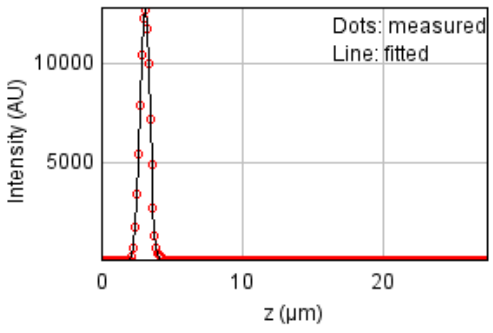




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 12588.849 (brightness)
B = 334.775 (background)
a = 0.381 px
b = -0.061 px
c = 0.446 px
xc = 5.292 px
yc = 5.921 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 327369.839
Standard deviation: 37.16594
R^2: 0.99959
Parameters:
a = 113.66206
b = 12800.9033
c = 3.11638
d = 0.34011

Bead 39

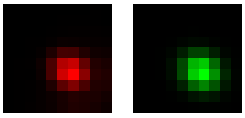
Date : Thu Jul 14 17:33:31 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

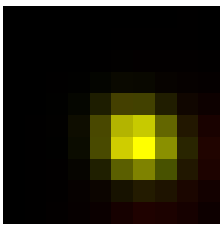
Coordinates : 11.7 um (x), -4.03 um (y), 3.27 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	278 nm	284 nm	190 nm
max	320 nm	326 nm	190 nm
z	693 nm	695 nm	642 nm
Asymmetry	0.869		
Theta	-31.6°		

XY profile & fitting parameters :

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

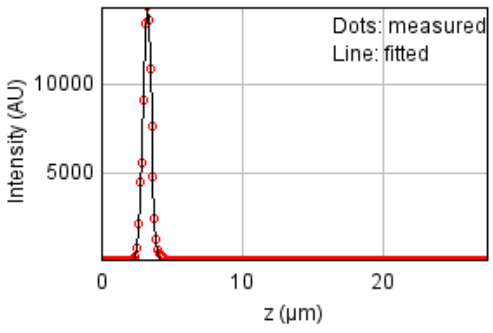




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 14588.908 (brightness)
B = 338.807 (background)
a = 0.398 px
b = -0.053 px
c = 0.451 px
xc = 5.742 px
yc = 5.732 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 3189824.79
Standard deviation: 116.01369
R^2: 0.99638
Parameters:
a = 131.06809
b = 14369.5203
c = 3.27222
d = 0.29431

Bead 40

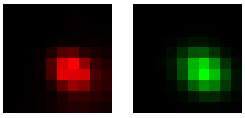
Date : Thu Jul 14 17:33:31 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

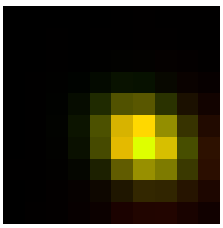
Coordinates : 14.3 um (x), 24.0 um (y), 3.33 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	302 nm	308 nm	190 nm
max	375 nm	383 nm	190 nm
z	852 nm	854 nm	642 nm
Asymmetry	0.804		
Theta	-31.3°		

XY profile & fitting parameters :

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

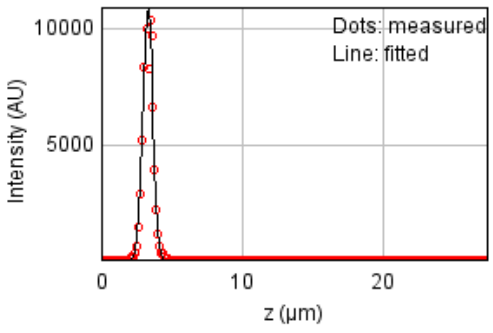




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 10174.212 (brightness)
B = 218.619 (background)
a = 0.304 px
b = -0.064 px
c = 0.371 px
xc = 5.964 px
yc = 5.722 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15328509.9
Standard deviation: 254.31724
R^2: 0.97588
Parameters:
a = 110.35076
b = 10953.8756
c = 3.32892
d = 0.36197

Bead 41

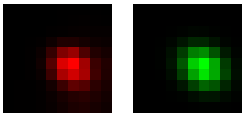
Date : Thu Jul 14 17:33:31 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

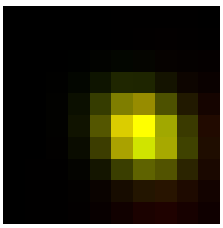
Coordinates : -12.8 um (x), 19.9 um (y), 3.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	304 nm	310 nm	190 nm
max	367 nm	375 nm	190 nm
z	871 nm	873 nm	642 nm
Asymmetry	0.828		
Theta	-36.2°		

XY profile & fitting parameters :

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

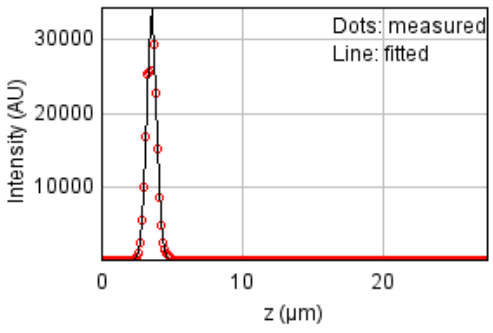




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 36520.219 (brightness)
B = 616.105 (background)
a = 0.322 px
b = -0.060 px
c = 0.360 px
xc = 5.906 px
yc = 5.325 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 87060128.0
Standard deviation: 606.08771
R^2: 0.98637
Parameters:
a = 124.61078
b = 34331.9884
c = 3.60179
d = 0.36986

Bead 42

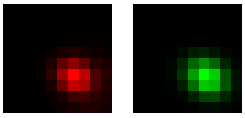
Date : Thu Jul 14 17:33:31 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

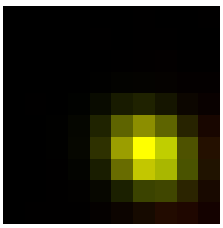
Coordinates : -23.2 um (x), 9.02 um (y), 3.41 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	284 nm	291 nm	190 nm
max	347 nm	354 nm	190 nm
z	812 nm	814 nm	642 nm
Asymmetry	0.82		
Theta	-30.8°		

XY profile & fitting parameters :

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

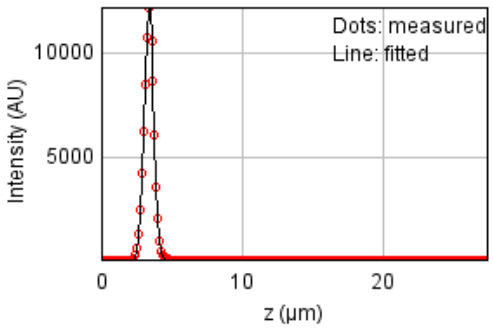




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 11910.663 (brightness)
B = 200.700 (background)
a = 0.350 px
b = -0.066 px
c = 0.421 px
xc = 6.233 px
yc = 6.238 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 428545.051
Standard deviation: 42.52302
R^2: 0.99942
Parameters:
a = 116.27360
b = 12261.4106
c = 3.41461
d = 0.34495

Bead 43

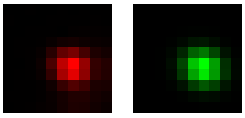
Date : Thu Jul 14 17:33:31 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

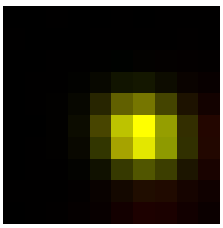
Coordinates : -9.76 um (x), -10.0 um (y), 3.44 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	286 nm	292 nm	190 nm
max	322 nm	329 nm	190 nm
z	790 nm	792 nm	642 nm
Asymmetry	0.889		
Theta	-24.9°		

XY profile & fitting parameters :

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

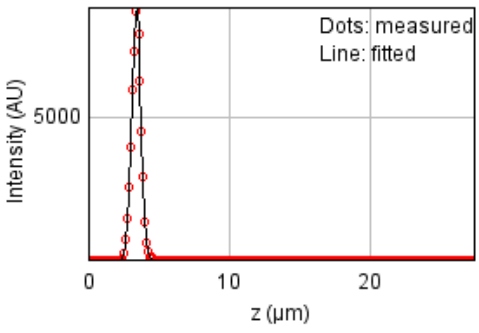




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 8992.208 (brightness)
B = 243.729 (background)
a = 0.378 px
b = -0.037 px
c = 0.439 px
xc = 5.900 px
yc = 5.374 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 288630.087
Standard deviation: 34.89769
R^2: 0.99922
Parameters:
a = 118.66908
b = 8791.50295
c = 3.43570
d = 0.33560

Bead 44

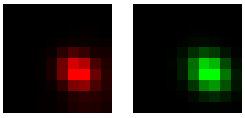
Date : Thu Jul 14 17:33:31 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

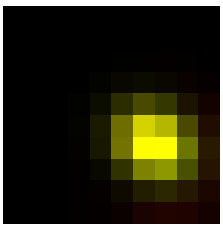
Coordinates : 7.36 um (x), 18.1 um (y), 3.56 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	277 nm	283 nm	190 nm
max	334 nm	342 nm	190 nm
z	708 nm	709 nm	642 nm
Asymmetry	0.829		
Theta	-38.5°		

XY profile & fitting parameters :

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

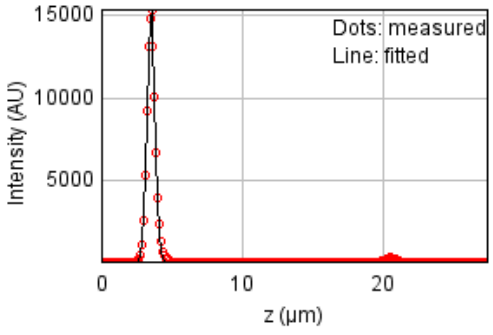




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 16507.274 (brightness)
B = 286.083 (background)
a = 0.392 px
b = -0.074 px
c = 0.426 px
xc = 6.474 px
yc = 5.800 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2769354.66
Standard deviation: 108.09737
R^2: 0.99731
Parameters:
a = 141.83022
b = 15405.3448
c = 3.55760
d = 0.30055

Bead 45

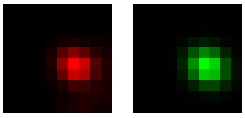
Date : Thu Jul 14 17:33:32 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

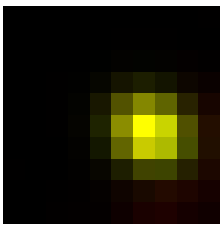
Coordinates : 5.83 um (x), -25.1 um (y), 3.51 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	281 nm	287 nm	190 nm
max	323 nm	330 nm	190 nm
z	818 nm	820 nm	642 nm
Asymmetry	0.872		
Theta	-33.5°		

XY profile & fitting parameters :

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

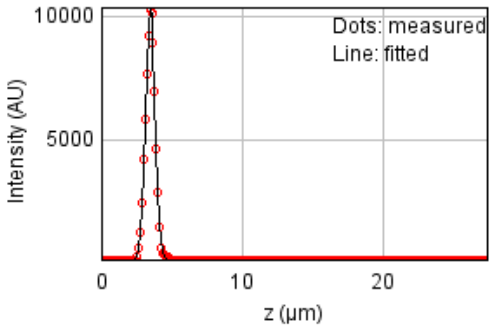




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 10235.632 (brightness)
B = 256.102 (background)
a = 0.393 px
b = -0.052 px
c = 0.437 px
xc = 6.294 px
yc = 5.269 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 555816.425
Standard deviation: 48.42744
R^2: 0.99896
Parameters:
a = 113.72875
b = 10361.8009
c = 3.50737
d = 0.34743

Bead 46

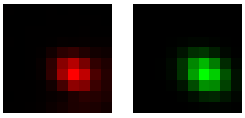
Date : Thu Jul 14 17:33:32 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

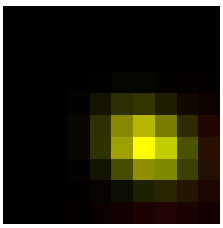
Coordinates : -2.42 um (x), 4.54 um (y), 3.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	272 nm	278 nm	190 nm
max	353 nm	360 nm	190 nm
z	839 nm	840 nm	642 nm
Asymmetry	0.772		
Theta	-29.0°		

XY profile & fitting parameters :

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

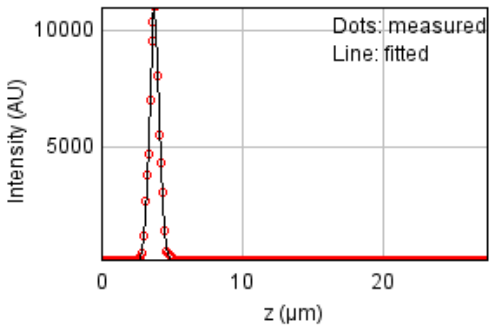




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 10688.702 (brightness)
B = 233.321 (background)
a = 0.348 px
b = -0.086 px
c = 0.456 px
xc = 6.161 px
yc = 5.899 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 3217160.19
Standard deviation: 116.50972
R^2: 0.99481
Parameters:
a = 119.11601
b = 11021.3758
c = 3.79813
d = 0.35614

Bead 47

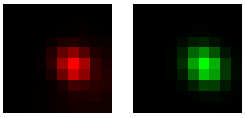
Date : Thu Jul 14 17:33:32 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

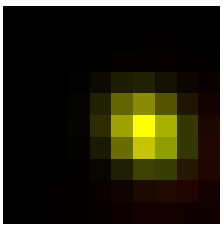
Coordinates : 21.6 um (x), 3.34 um (y), 3.76 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	275 nm	281 nm	190 nm
max	325 nm	332 nm	190 nm
z	746 nm	747 nm	642 nm
Asymmetry	0.844		
Theta	-42.2°		

XY profile & fitting parameters :

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

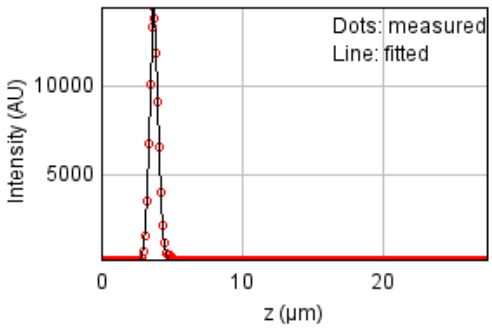




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 14117.000 (brightness)
B = 341.485 (background)
a = 0.416 px
b = -0.071 px
c = 0.430 px
xc = 6.095 px
yc = 5.220 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2332403.25
Standard deviation: 99.20365
R^2: 0.99762
Parameters:
a = 116.76476
b = 14639.6870
c = 3.76049
d = 0.31663

Bead 48

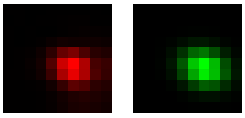
Date : Thu Jul 14 17:33:32 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

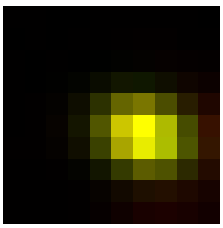
Coordinates : -21.1 um (x), -8.75 um (y), 3.81 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	290 nm	296 nm	190 nm
max	371 nm	378 nm	190 nm
z	913 nm	915 nm	642 nm
Asymmetry	0.782		
Theta	-17.9°		

XY profile & fitting parameters :

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

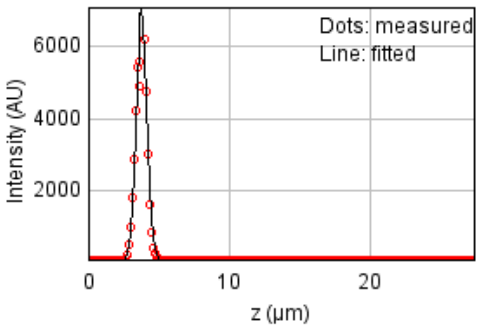




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 7719.782 (brightness)
B = 231.032 (background)
a = 0.288 px
b = -0.051 px
c = 0.428 px
xc = 6.014 px
yc = 5.405 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 5510110.03
Standard deviation: 152.47757
R^2: 0.98014
Parameters:
a = 109.04692
b = 7059.63639
c = 3.80812
d = 0.38761

Bead 49

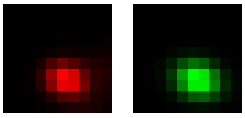
Date : Thu Jul 14 17:33:32 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

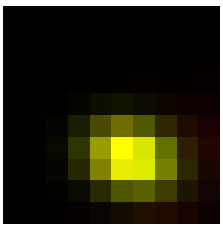
Coordinates : -41.9 um (x), 14.9 um (y), 3.93 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	279 nm	285 nm	190 nm
max	363 nm	371 nm	190 nm
z	877 nm	879 nm	642 nm
Asymmetry	0.767		
Theta	-17.2°		

XY profile & fitting parameters :

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

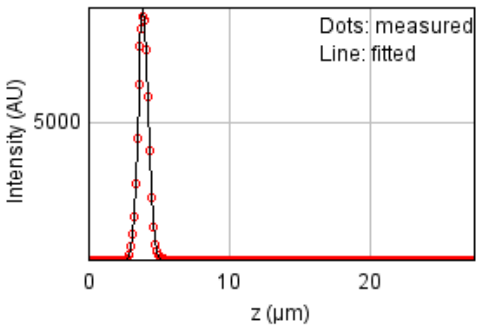




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 9319.731 (brightness)
B = 212.441 (background)
a = 0.300 px
b = -0.056 px
c = 0.463 px
xc = 5.400 px
yc = 6.461 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 699485.292
Standard deviation: 54.32692
R^2: 0.99841
Parameters:
a = 112.13978
b = 9115.42392
c = 3.93068
d = 0.37262

Bead 50

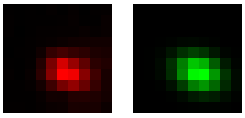
Date : Thu Jul 14 17:33:33 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

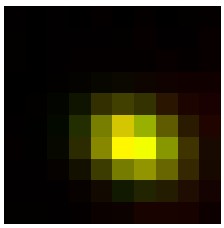
Coordinates : -54.9 um (x), 25.1 um (y), 3.51 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	279 nm	285 nm	190 nm
max	383 nm	392 nm	190 nm
z	869 nm	871 nm	642 nm
Asymmetry	0.727		
Theta	-20.0°		

XY profile & fitting parameters :

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

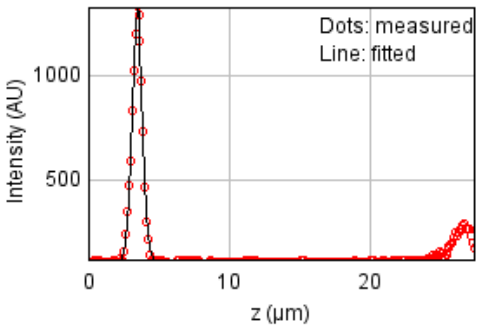




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 1251.625 (brightness)
B = 125.909 (background)
a = 0.280 px
b = -0.073 px
c = 0.454 px
xc = 5.521 px
yc = 5.828 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 327173.199
Standard deviation: 37.15478
R^2: 0.95980
Parameters:
a = 122.37866
b = 1328.21117
c = 3.50628
d = 0.36908

Bead 51

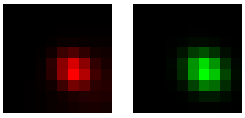
Date : Thu Jul 14 17:33:33 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

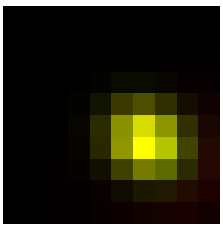
Coordinates : 28.4 um (x), 12.8 um (y), 4.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	277 nm	283 nm	190 nm
max	324 nm	331 nm	190 nm
z	681 nm	682 nm	642 nm
Asymmetry	0.856		
Theta	-35.0°		

XY profile & fitting parameters :

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

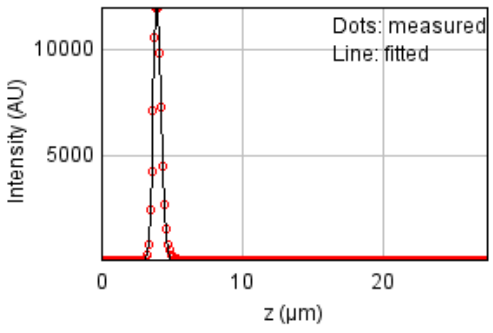




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 11763.821 (brightness)
B = 282.676 (background)
a = 0.398 px
b = -0.061 px
c = 0.443 px
xc = 6.121 px
yc = 5.689 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1211735.18
Standard deviation: 71.50389
R^2: 0.99806
Parameters:
a = 121.57642
b = 12219.9087
c = 4.00362
d = 0.28912

Bead 52

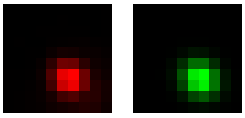
Date : Thu Jul 14 17:33:33 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

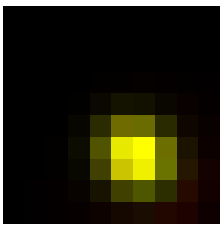
Coordinates : 47.9 um (x), -4.8 um (y), 3.96 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	268 nm	274 nm	190 nm
max	299 nm	305 nm	190 nm
z	663 nm	665 nm	642 nm
Asymmetry	0.897		
Theta	-43.2°		

XY profile & fitting parameters :

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

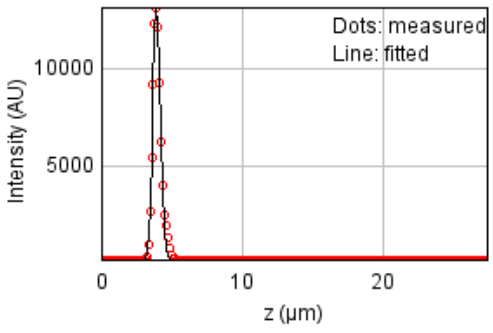




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 14732.534 (brightness)
B = 273.036 (background)
a = 0.465 px
b = -0.050 px
c = 0.471 px
xc = 5.643 px
yc = 6.391 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 4552472.66
Standard deviation: 138.59562
R^2: 0.99359
Parameters:
a = 123.34632
b = 13160.7061
c = 3.96048
d = 0.28174

Bead 53

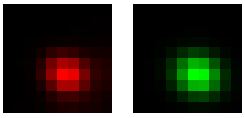
Date : Thu Jul 14 17:33:33 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

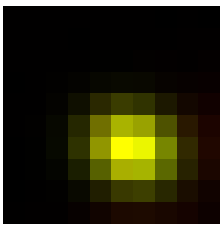
Coordinates : -35.0 um (x), -15.9 um (y), 4.02 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	314 nm	320 nm	190 nm
max	368 nm	376 nm	190 nm
z	819 nm	821 nm	642 nm
Asymmetry	0.853		
Theta	-18.5°		

XY profile & fitting parameters :

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

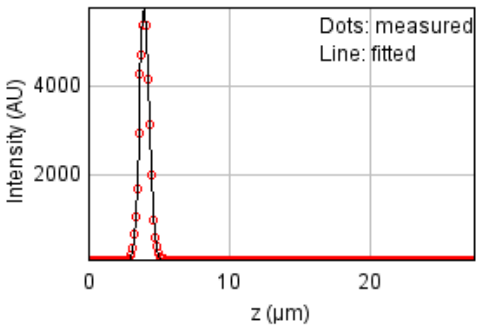




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 5839.316 (brightness)
B = 191.914 (background)
a = 0.286 px
b = -0.031 px
c = 0.369 px
xc = 5.436 px
yc = 6.024 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 502240.666
Standard deviation: 46.03432
R^2: 0.99694
Parameters:
a = 111.98862
b = 5784.24648
c = 4.01517
d = 0.34793

Bead 54

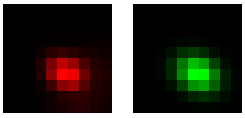
Date : Thu Jul 14 17:33:33 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

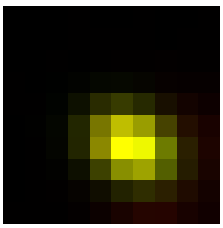
Coordinates : -24.5 um (x), 2.79 um (y), 4.33 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	278 nm	284 nm	190 nm
max	358 nm	366 nm	190 nm
z	824 nm	825 nm	642 nm
Asymmetry	0.777		
Theta	-28.6°		

XY profile & fitting parameters :

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

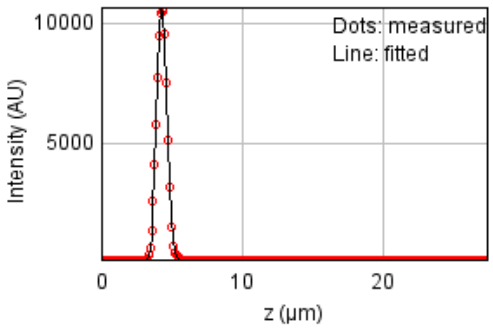




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 10617.877 (brightness)
B = 268.341 (background)
a = 0.334 px
b = -0.080 px
c = 0.438 px
xc = 5.430 px
yc = 5.917 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 822295.908
Standard deviation: 58.90334
R^2: 0.99857
Parameters:
a = 117.97915
b = 10729.2886
c = 4.33168
d = 0.34978

Bead 55

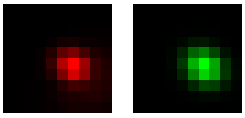
Date : Thu Jul 14 17:33:33 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

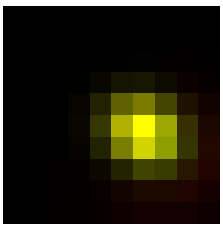
Coordinates : 21.1 um (x), -15.8 um (y), 4.28 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	269 nm	275 nm	190 nm
max	323 nm	330 nm	190 nm
z	753 nm	755 nm	642 nm
Asymmetry	0.833		
Theta	-32.5°		

XY profile & fitting parameters :

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

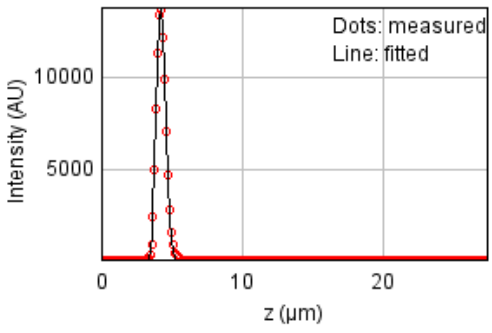




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 13454.195 (brightness)
B = 343.566 (background)
a = 0.403 px
b = -0.071 px
c = 0.469 px
xc = 6.015 px
yc = 5.297 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2067771.41
Standard deviation: 93.40650
R^2: 0.99764
Parameters:
a = 116.16024
b = 13770.9611
c = 4.27542
d = 0.31979

Bead 56

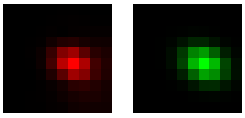
Date : Thu Jul 14 17:33:33 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

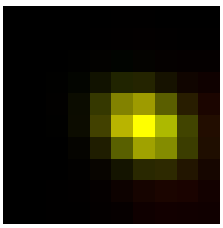
Coordinates : -29.9 um (x), 16.8 um (y), 4.39 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	268 nm	273 nm	190 nm
max	356 nm	363 nm	190 nm
z	799 nm	800 nm	642 nm
Asymmetry	0.753		
Theta	-25.5°		

XY profile & fitting parameters :

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

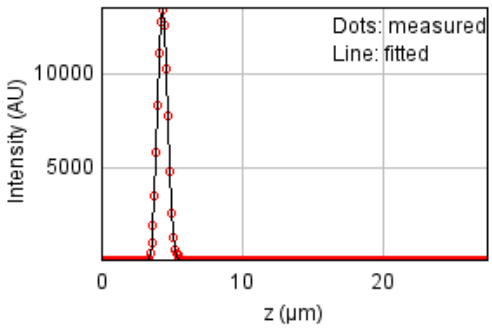




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 12899.693 (brightness)
B = 306.709 (background)
a = 0.337 px
b = -0.087 px
c = 0.479 px
xc = 6.026 px
yc = 5.029 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 336518.632
Standard deviation: 37.68169
R^2: 0.99962
Parameters:
a = 114.45113
b = 13565.0103
c = 4.38856
d = 0.33915

Bead 57

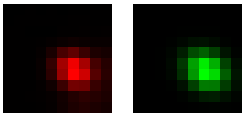
Date : Thu Jul 14 17:33:34 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

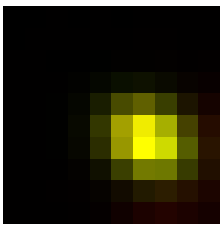
Coordinates : -17.5 um (x), 7.93 um (y), 4.49 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	286 nm	293 nm	190 nm
max	353 nm	361 nm	190 nm
z	810 nm	812 nm	642 nm
Asymmetry	0.811		
Theta	-32.2°		

XY profile & fitting parameters :

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

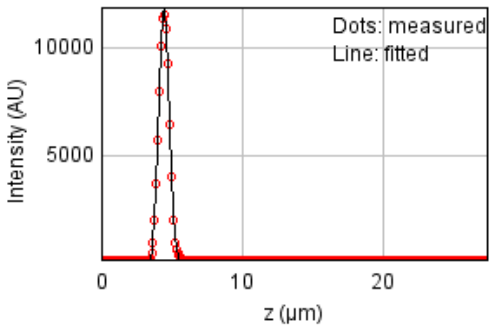




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 11930.840 (brightness)
B = 254.370 (background)
a = 0.343 px
b = -0.070 px
c = 0.410 px
xc = 6.191 px
yc = 5.632 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 977492.927
Standard deviation: 64.22182
R^2: 0.99860
Parameters:
a = 117.15344
b = 11919.1345
c = 4.48567
d = 0.34397

Bead 58

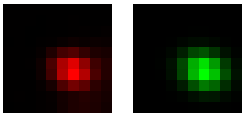
Date : Thu Jul 14 17:33:34 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

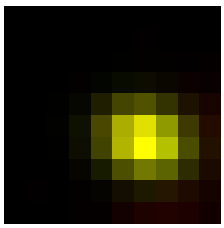
Coordinates : -38.9 um (x), -14.6 um (y), 4.32 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	287 nm	293 nm	190 nm
max	352 nm	360 nm	190 nm
z	784 nm	786 nm	642 nm
Asymmetry	0.814		
Theta	-18.1°		

XY profile & fitting parameters :

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

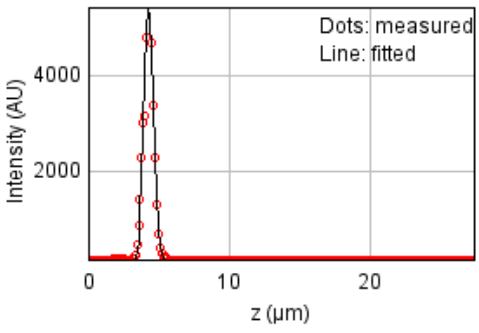




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 5645.415 (brightness)
B = 185.024 (background)
a = 0.316 px
b = -0.045 px
c = 0.439 px
xc = 6.002 px
yc = 5.650 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1418514.52
Standard deviation: 77.36468
R^2: 0.98986
Parameters:
a = 115.88148
b = 5447.61431
c = 4.32133
d = 0.33311

Bead 59

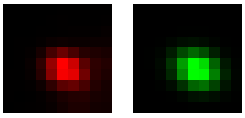
Date : Thu Jul 14 17:33:34 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

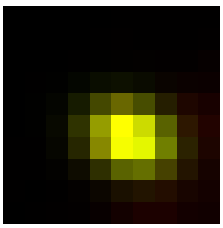
Coordinates : -37.4 um (x), 12.3 um (y), 4.72 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	276 nm	282 nm	190 nm
max	355 nm	363 nm	190 nm
z	850 nm	852 nm	642 nm
Asymmetry	0.778		
Theta	-21.9°		

XY profile & fitting parameters :

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

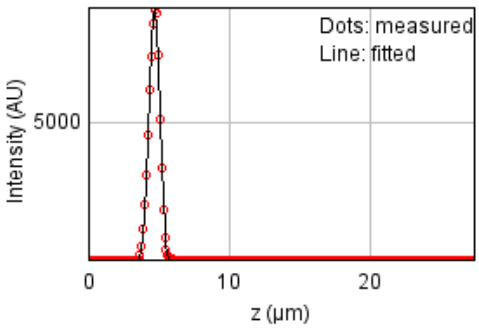




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 9661.385 (brightness)
B = 281.334 (background)
a = 0.322 px
b = -0.067 px
c = 0.462 px
xc = 5.367 px
yc = 5.541 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1365235.19
Standard deviation: 75.89787
R^2: 0.99678
Parameters:
a = 110.61567
b = 9079.27144
c = 4.72386
d = 0.36112

Bead 60

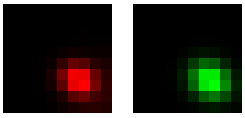
Date : Thu Jul 14 17:33:34 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

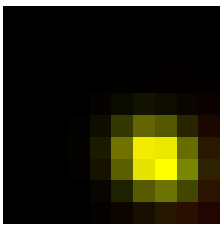
Coordinates : 1.11 um (x), -9.92 um (y), 4.93 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	278 nm	284 nm	190 nm
max	334 nm	341 nm	190 nm
z	654 nm	655 nm	642 nm
Asymmetry	0.831		
Theta	-31.6°		

XY profile & fitting parameters :

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

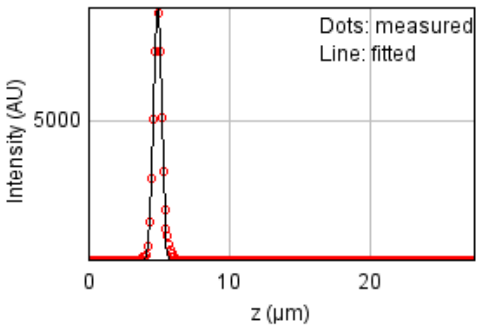




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 9809.559 (brightness)
B = 169.985 (background)
a = 0.375 px
b = -0.067 px
c = 0.442 px
xc = 6.577 px
yc = 6.542 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1608541.48
Standard deviation: 82.38383
R^2: 0.99520
Parameters:
a = 124.54499
b = 9149.91725
c = 4.93494
d = 0.27761

Bead 61

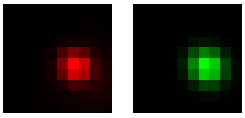
Date : Thu Jul 14 17:33:34 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

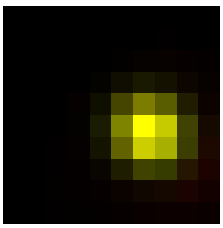
Coordinates : 43.0 um (x), 13.8 um (y), 4.99 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	274 nm	280 nm	190 nm
max	298 nm	304 nm	190 nm
z	659 nm	660 nm	642 nm
Asymmetry	0.922		
Theta	-39.7°		

XY profile & fitting parameters :

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

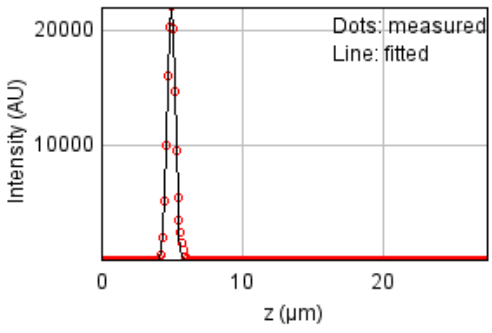




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 22573.605 (brightness)
B = 398.885 (background)
a = 0.452 px
b = -0.037 px
c = 0.465 px
xc = 6.269 px
yc = 5.289 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 7720433.24
Standard deviation: 180.48731
R^2: 0.99606
Parameters:
a = 131.63883
b = 21906.5836
c = 4.98581
d = 0.27965

Bead 62

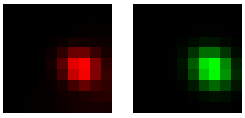
Date : Thu Jul 14 17:33:34 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

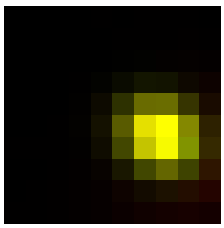
Coordinates : 23.5 um (x), 1.81 um (y), 5.06 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	281 nm	287 nm	190 nm
max	327 nm	334 nm	190 nm
z	744 nm	746 nm	642 nm
Asymmetry	0.858		
Theta	-31.9°		

XY profile & fitting parameters :

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

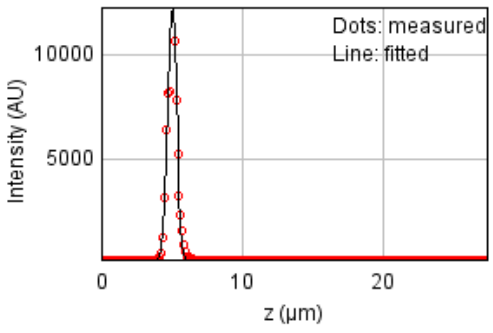




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 14840.635 (brightness)
B = 285.066 (background)
a = 0.383 px
b = -0.056 px
c = 0.439 px
xc = 6.738 px
yc = 5.439 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 10681154.9
Standard deviation: 212.29264
R^2: 0.98486
Parameters:
a = 126.38411
b = 12372.6231
c = 5.05635
d = 0.31610

Bead 63

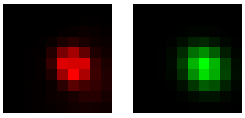
Date : Thu Jul 14 17:33:34 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

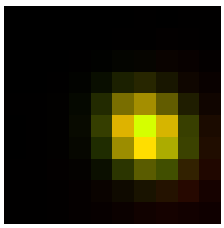
Coordinates : 33.1 um (x), -14.1 um (y), 5.01 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	303 nm	309 nm	190 nm
max	347 nm	354 nm	190 nm
z	776 nm	778 nm	642 nm
Asymmetry	0.874		
Theta	-41.4°		

XY profile & fitting parameters :

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

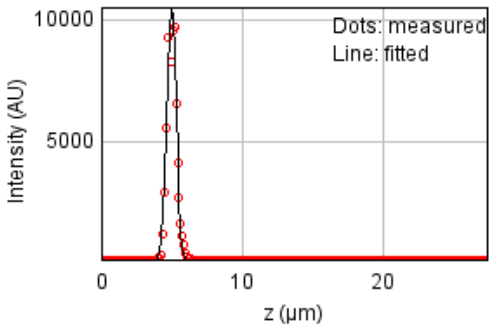




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 10515.067 (brightness)
B = 223.037 (background)
a = 0.353 px
b = -0.048 px
c = 0.365 px
xc = 6.050 px
yc = 5.309 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 12444254.2
Standard deviation: 229.14494
R^2: 0.97688
Parameters:
a = 112.07139
b = 10552.0748
c = 5.01298
d = 0.32975

Bead 64

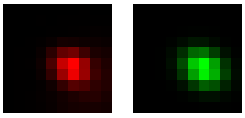
Date : Thu Jul 14 17:33:35 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

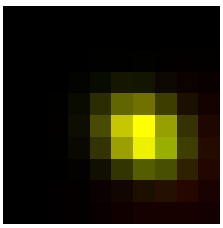
Coordinates : 3.94 um (x), 4.59 um (y), 5.17 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	276 nm	282 nm	190 nm
max	345 nm	352 nm	190 nm
z	737 nm	738 nm	642 nm
Asymmetry	0.801		
Theta	-31.1°		

XY profile & fitting parameters :

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

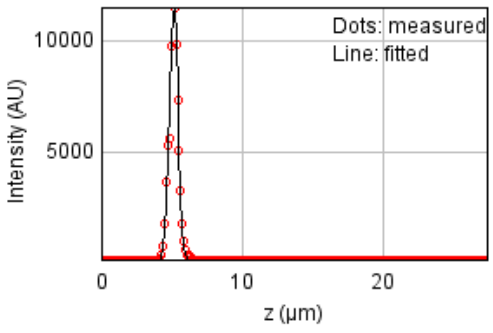




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 11800.237 (brightness)
B = 305.286 (background)
a = 0.361 px
b = -0.078 px
c = 0.442 px
xc = 5.941 px
yc = 5.414 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 6349444.18
Standard deviation: 163.67927
R^2: 0.98974
Parameters:
a = 121.21100
b = 11678.2698
c = 5.16938
d = 0.31276

Bead 65

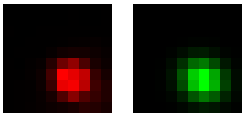
Date : Thu Jul 14 17:33:35 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

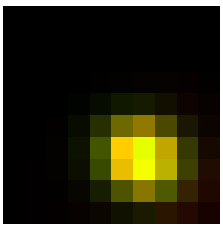
Coordinates : 40.2 um (x), -1.8 um (y), 5.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	308 nm	314 nm	190 nm
max	347 nm	355 nm	190 nm
z	678 nm	680 nm	642 nm
Asymmetry	0.886		
Theta	-27.7°		

XY profile & fitting parameters :

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

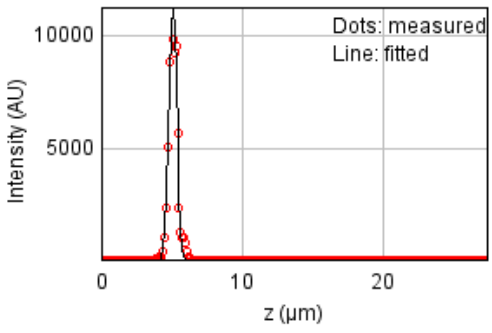




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 11528.901 (brightness)
B = 175.875 (background)
a = 0.328 px
b = -0.035 px
c = 0.375 px
xc = 5.890 px
yc = 6.482 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 10613550.1
Standard deviation: 211.61973
R^2: 0.97996
Parameters:
a = 121.28709
b = 11189.3459
c = 5.10477
d = 0.28795

Bead 66

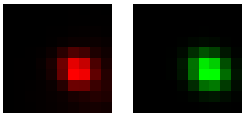
Date : Thu Jul 14 17:33:35 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

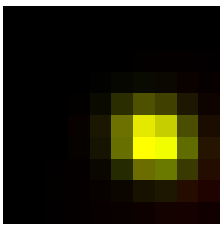
Coordinates : 32.0 um (x), 1.66 um (y), 5.22 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	270 nm	275 nm	190 nm
max	311 nm	317 nm	190 nm
z	680 nm	682 nm	642 nm
Asymmetry	0.868		
Theta	-33.0°		

XY profile & fitting parameters :

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

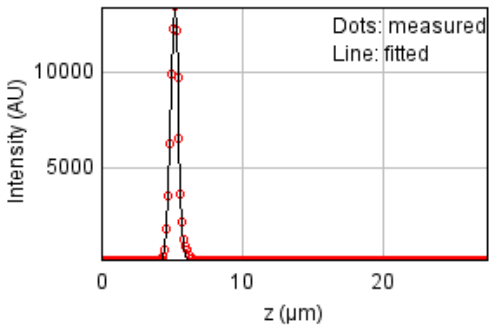




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 14867.675 (brightness)
B = 283.023 (background)
a = 0.424 px
b = -0.058 px
c = 0.476 px
xc = 6.442 px
yc = 5.652 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1247783.25
Standard deviation: 72.55969
R^2: 0.99834
Parameters:
a = 120.03102
b = 13404.7061
c = 5.22278
d = 0.28898

Bead 67

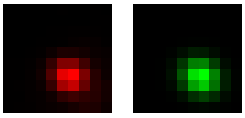
Date : Thu Jul 14 17:33:35 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

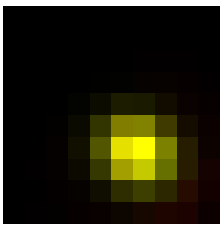
Coordinates : 38.7 um (x), -8.26 um (y), 5.29 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	276 nm	282 nm	190 nm
max	314 nm	320 nm	190 nm
z	623 nm	624 nm	642 nm
Asymmetry	0.88		
Theta	-31.5°		

XY profile & fitting parameters :

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

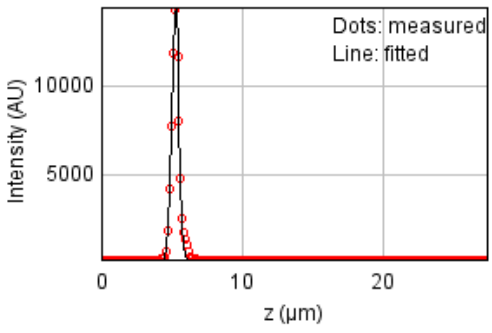




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 15162.732 (brightness)
B = 289.851 (background)
a = 0.409 px
b = -0.049 px
c = 0.460 px
xc = 5.688 px
yc = 6.205 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 3442192.38
Standard deviation: 120.51564
R^2: 0.99587
Parameters:
a = 132.14362
b = 14711.4671
c = 5.28595
d = 0.26452

Bead 68

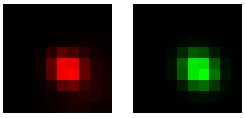
Date : Thu Jul 14 17:33:35 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

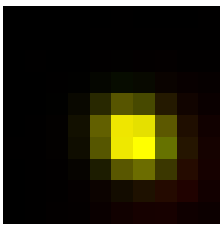
Coordinates : 18.3 um (x), -14.8 um (y), 5.35 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	263 nm	269 nm	190 nm
max	303 nm	310 nm	190 nm
z	586 nm	587 nm	642 nm
Asymmetry	0.868		
Theta	-35.4°		

XY profile & fitting parameters :

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

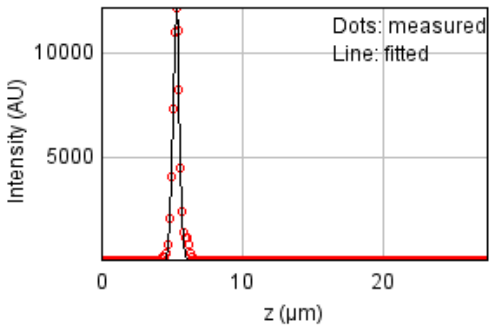




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 13936.466 (brightness)
B = 320.359 (background)
a = 0.451 px
b = -0.063 px
c = 0.495 px
xc = 5.549 px
yc = 5.578 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 3261762.17
Standard deviation: 117.31458
R^2: 0.99392
Parameters:
a = 131.32744
b = 12163.8951
c = 5.34790
d = 0.24880

Bead 69

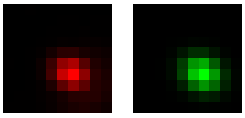
Date : Thu Jul 14 17:33:35 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

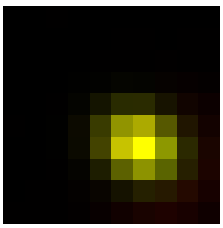
Coordinates : 1.84 um (x), -19.2 um (y), 5.41 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	267 nm	273 nm	190 nm
max	323 nm	330 nm	190 nm
z	670 nm	672 nm	642 nm
Asymmetry	0.828		
Theta	-29.1°		

XY profile & fitting parameters :

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

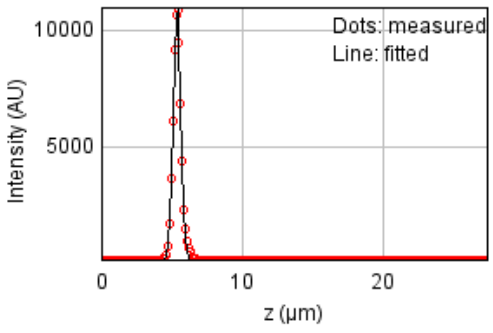




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 10540.261 (brightness)
B = 261.023 (background)
a = 0.397 px
b = -0.070 px
c = 0.483 px
xc = 5.828 px
yc = 5.899 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1049025.80
Standard deviation: 66.53021
R^2: 0.99791
Parameters:
a = 123.74453
b = 11049.2731
c = 5.41088
d = 0.28465

Bead 70

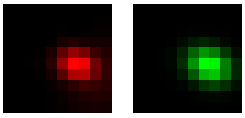
Date : Thu Jul 14 17:33:35 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

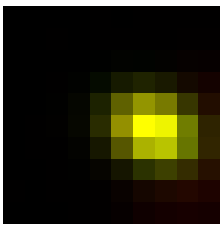
Coordinates : -39.3 um (x), 2.07 um (y), 5.54 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	277 nm	283 nm	190 nm
max	366 nm	373 nm	190 nm
z	838 nm	840 nm	642 nm
Asymmetry	0.759		
Theta	-22.8°		

XY profile & fitting parameters :

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

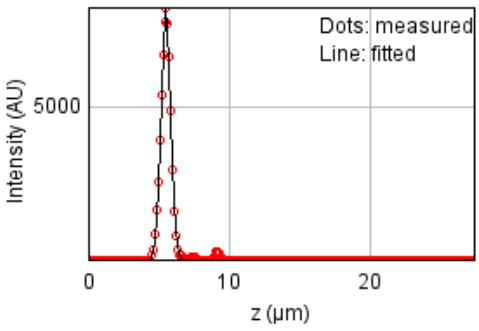




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 8232.108 (brightness)
B = 213.333 (background)
a = 0.310 px
b = -0.074 px
c = 0.454 px
xc = 6.465 px
yc = 5.173 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1105350.15
Standard deviation: 68.29293
R^2: 0.99672
Parameters:
a = 129.07121
b = 8174.67117
c = 5.54168
d = 0.35596

Bead 71

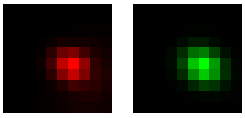
Date : Thu Jul 14 17:33:36 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

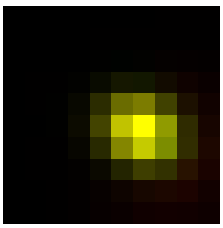
Coordinates : 4.51 um (x), 2.18 um (y), 5.63 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	269 nm	274 nm	190 nm
max	326 nm	333 nm	190 nm
z	699 nm	701 nm	642 nm
Asymmetry	0.824		
Theta	-28.6°		

XY profile & fitting parameters :

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

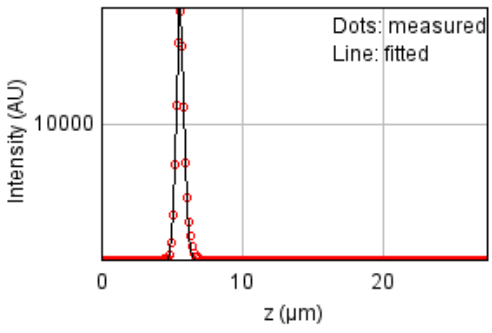




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 18008.411 (brightness)
B = 408.157 (background)
a = 0.389 px
b = -0.070 px
c = 0.478 px
xc = 5.894 px
yc = 5.243 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 5224378.66
Standard deviation: 148.47152
R^2: 0.99661
Parameters:
a = 128.95836
b = 18882.6504
c = 5.63034
d = 0.29690

Bead 72

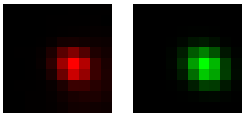
Date : Thu Jul 14 17:33:36 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

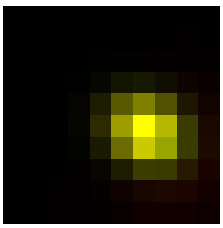
Coordinates : 4.77 um (x), -6.64 um (y), 5.58 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	270 nm	276 nm	190 nm
max	319 nm	326 nm	190 nm
z	740 nm	741 nm	642 nm
Asymmetry	0.847		
Theta	-32.5°		

XY profile & fitting parameters :

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

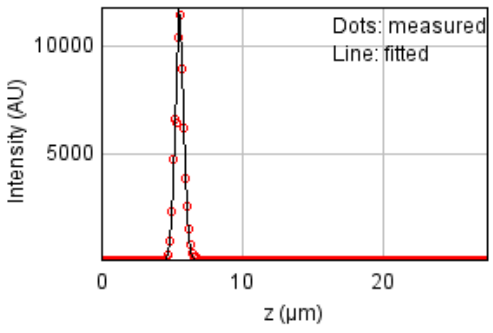




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 13265.869 (brightness)
B = 298.111 (background)
a = 0.408 px
b = -0.065 px
c = 0.469 px
xc = 6.137 px
yc = 5.260 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 10188288.6
Standard deviation: 207.33683
R^2: 0.98399
Parameters:
a = 126.51665
b = 11785.3293
c = 5.58294
d = 0.31415

Bead 73

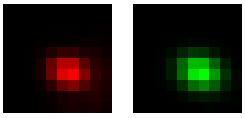
Date : Thu Jul 14 17:33:36 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

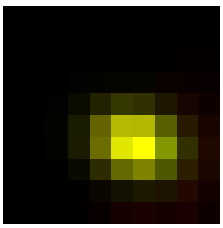
Coordinates : -33.2 um (x), -18.2 um (y), 5.58 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	268 nm	274 nm	190 nm
max	353 nm	360 nm	190 nm
z	881 nm	882 nm	642 nm
Asymmetry	0.76		
Theta	-17.6°		

XY profile & fitting parameters :

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

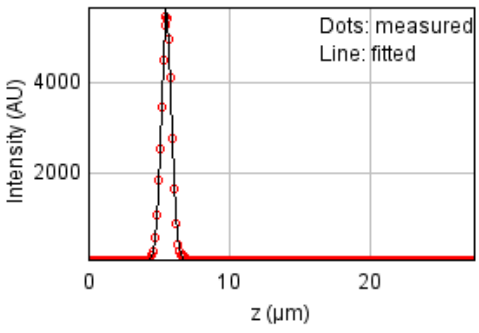




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 6090.616 (brightness)
B = 200.110 (background)
a = 0.320 px
b = -0.063 px
c = 0.499 px
xc = 5.629 px
yc = 5.792 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 377028.318
Standard deviation: 39.88530
R^2: 0.99773
Parameters:
a = 111.03242
b = 5630.03977
c = 5.58245
d = 0.37394

Bead 74

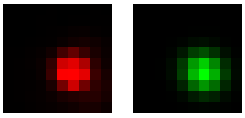
Date : Thu Jul 14 17:33:36 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

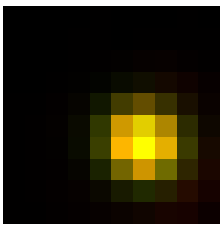
Coordinates : 50.6 um (x), -18.9 um (y), 5.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	308 nm	314 nm	190 nm
max	329 nm	336 nm	190 nm
z	720 nm	721 nm	642 nm
Asymmetry	0.934		
Theta	-33.9°		

XY profile & fitting parameters :

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

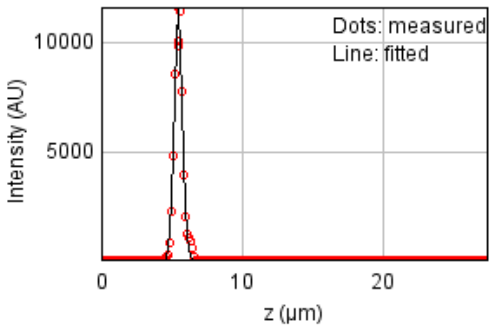




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 11531.727 (brightness)
B = 197.258 (background)
a = 0.360 px
b = -0.023 px
c = 0.379 px
xc = 5.959 px
yc = 5.787 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 13755108.9
Standard deviation: 240.91167
R^2: 0.97769
Parameters:
a = 115.32473
b = 11703.5176
c = 5.49959
d = 0.30571

Bead 75

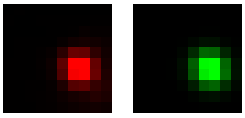
Date : Thu Jul 14 17:33:36 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

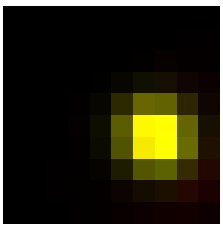
Coordinates : 30.6 um (x), -22.6 um (y), 5.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	271 nm	277 nm	190 nm
max	289 nm	295 nm	190 nm
z	644 nm	645 nm	642 nm
Asymmetry	0.937		
Theta	-46.3°		

XY profile & fitting parameters :

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

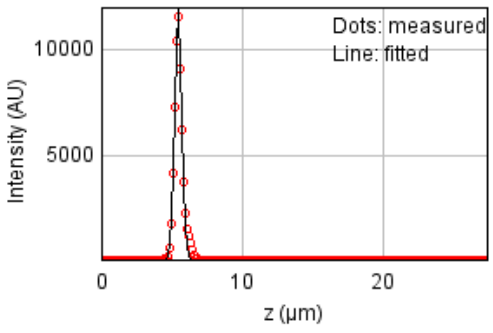




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 15033.578 (brightness)
B = 259.862 (background)
a = 0.479 px
b = -0.031 px
c = 0.476 px
xc = 6.556 px
yc = 5.473 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 3570263.75
Standard deviation: 122.73713
R^2: 0.99385
Parameters:
a = 126.56154
b = 12096.4198
c = 5.49508
d = 0.27332

Bead 76

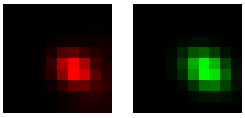
Date : Thu Jul 14 17:33:36 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

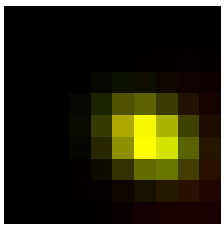
Coordinates : -22.9 um (x), 22.3 um (y), 5.74 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	270 nm	275 nm	190 nm
max	360 nm	368 nm	190 nm
z	748 nm	749 nm	642 nm
Asymmetry	0.749		
Theta	-31.2°		

XY profile & fitting parameters :

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

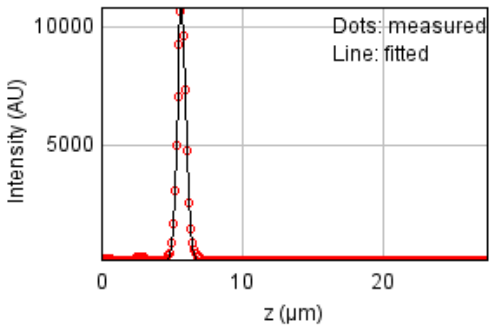




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 11236.290 (brightness)
B = 255.995 (background)
a = 0.348 px
b = -0.100 px
c = 0.453 px
xc = 6.206 px
yc = 5.582 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 959381.195
Standard deviation: 63.62407
R^2: 0.99824
Parameters:
a = 130.08238
b = 10945.5311
c = 5.74134
d = 0.31754

Bead 77

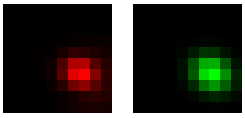
Date : Thu Jul 14 17:33:36 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

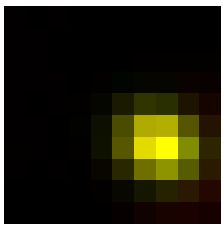
Coordinates : -9.43 um (x), -12.2 um (y), 5.83 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	273 nm	279 nm	190 nm
max	328 nm	335 nm	190 nm
z	686 nm	688 nm	642 nm
Asymmetry	0.833		
Theta	-28.0°		

XY profile & fitting parameters :

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

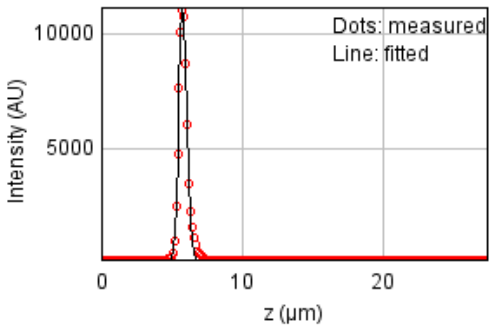




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 11246.712 (brightness)
B = 250.053 (background)
a = 0.380 px
b = -0.063 px
c = 0.465 px
xc = 6.691 px
yc = 5.869 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2281179.70
Standard deviation: 98.10826
R^2: 0.99568
Parameters:
a = 128.96394
b = 11208.7968
c = 5.83093
d = 0.29137

Bead 78

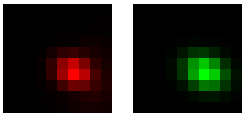
Date : Thu Jul 14 17:33:36 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

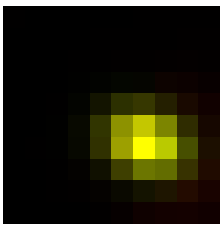
Coordinates : -29.0 um (x), 1.77 um (y), 6.19 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	261 nm	266 nm	190 nm
max	342 nm	349 nm	190 nm
z	718 nm	719 nm	642 nm
Asymmetry	0.763		
Theta	-22.5°		

XY profile & fitting parameters :

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

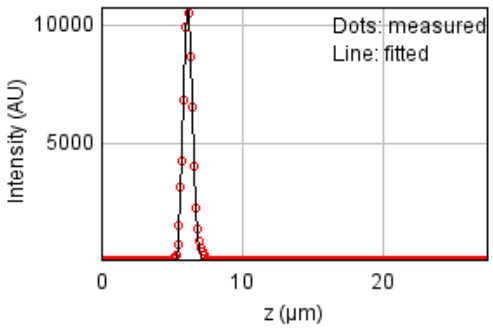




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 10604.518 (brightness)
B = 239.145 (background)
a = 0.353 px
b = -0.081 px
c = 0.515 px
xc = 6.111 px
yc = 5.763 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1582121.14
Standard deviation: 81.70445
R^2: 0.99693
Parameters:
a = 122.20128
b = 10839.7792
c = 6.18987
d = 0.30483

Bead 79

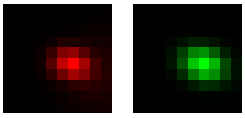
Date : Thu Jul 14 17:33:36 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

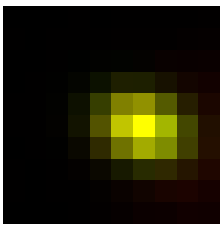
Coordinates : -45.5 um (x), -2.56 um (y), 6.14 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	270 nm	276 nm	190 nm
max	366 nm	374 nm	190 nm
z	784 nm	785 nm	642 nm
Asymmetry	0.738		
Theta	-18.3°		

XY profile & fitting parameters :

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

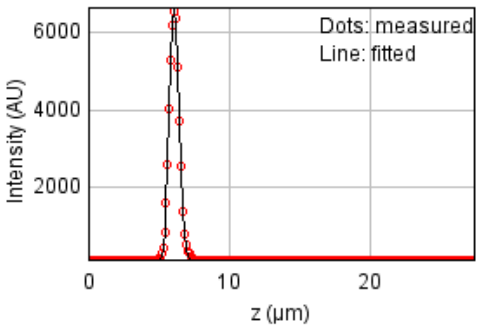




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 6127.294 (brightness)
B = 209.101 (background)
a = 0.301 px
b = -0.069 px
c = 0.487 px
xc = 5.954 px
yc = 5.078 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 154466.480
Standard deviation: 25.52954
R^2: 0.99926
Parameters:
a = 114.45046
b = 6644.93614
c = 6.14091
d = 0.33279

Bead 80

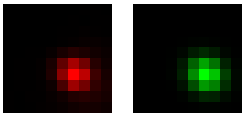
Date : Thu Jul 14 17:33:36 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

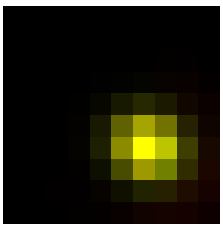
Coordinates : 19.2 um (x), -6.96 um (y), 6.17 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	271 nm	276 nm	190 nm
max	301 nm	308 nm	190 nm
z	654 nm	655 nm	642 nm
Asymmetry	0.899		
Theta	-33.6°		

XY profile & fitting parameters :

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

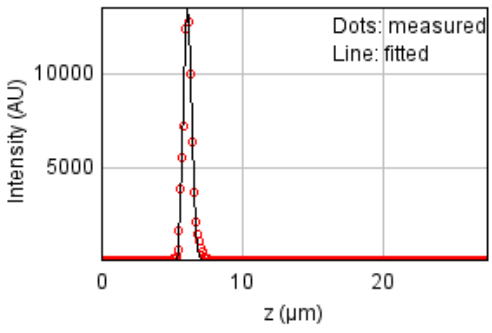




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 14000.802 (brightness)
B = 249.855 (background)
a = 0.441 px
b = -0.045 px
c = 0.479 px
xc = 6.193 px
yc = 5.983 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 7097274.65
Standard deviation: 173.05001
R^2: 0.99045
Parameters:
a = 130.36485
b = 13547.3709
c = 6.17161
d = 0.27758

Bead 81

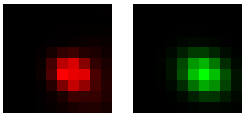
Date : Thu Jul 14 17:33:37 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

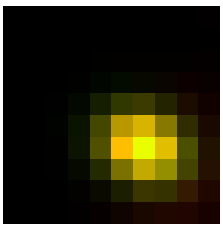
Coordinates : -10.9 um (x), -11.8 um (y), 6.23 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	302 nm	309 nm	190 nm
max	377 nm	385 nm	190 nm
z	780 nm	782 nm	642 nm
Asymmetry	0.802		
Theta	-26.6°		

XY profile & fitting parameters :

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

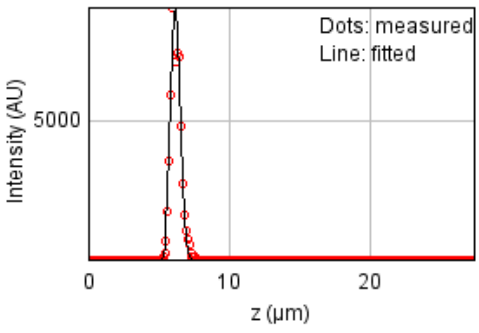




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 8449.907 (brightness)
B = 173.174 (background)
a = 0.292 px
b = -0.058 px
c = 0.379 px
xc = 5.990 px
yc = 5.961 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 9163563.07
Standard deviation: 196.63373
R^2: 0.97697
Parameters:
a = 118.45842
b = 9074.10155
c = 6.22514
d = 0.33126

Bead 82

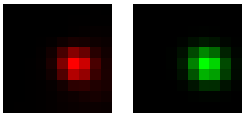
Date : Thu Jul 14 17:33:37 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

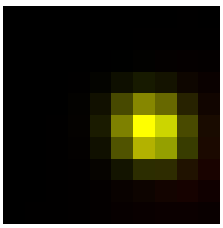
Coordinates : 20.0 um (x), -23.6 um (y), 6.38 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	268 nm	274 nm	190 nm
max	298 nm	304 nm	190 nm
z	671 nm	673 nm	642 nm
Asymmetry	0.901		
Theta	-23.4°		

XY profile & fitting parameters :

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

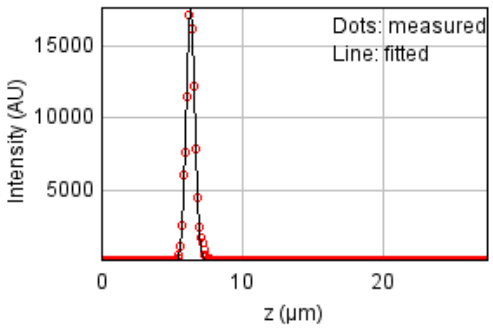




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 18098.746 (brightness)
B = 316.794 (background)
a = 0.436 px
b = -0.036 px
c = 0.502 px
xc = 6.304 px
yc = 5.162 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 7539461.41
Standard deviation: 178.35939
R^2: 0.99416
Parameters:
a = 132.13303
b = 17616.9543
c = 6.37707
d = 0.28496

Bead 83

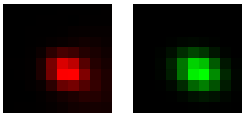
Date : Thu Jul 14 17:33:37 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

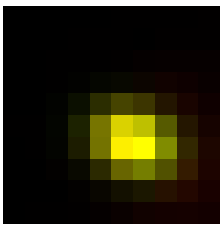
Coordinates : -31.7 um (x), 11.6 um (y), 6.51 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	266 nm	271 nm	190 nm
max	351 nm	358 nm	190 nm
z	666 nm	667 nm	642 nm
Asymmetry	0.757		
Theta	-22.0°		

XY profile & fitting parameters :

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

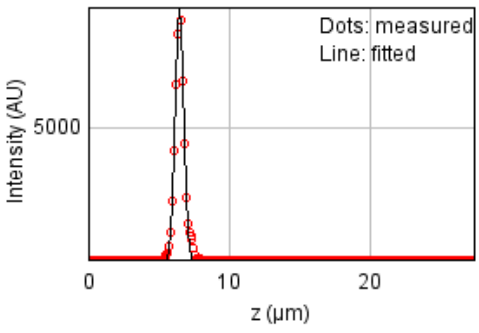




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 10153.104 (brightness)
B = 277.916 (background)
a = 0.334 px
b = -0.078 px
c = 0.497 px
xc = 5.534 px
yc = 5.718 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2231219.26
Standard deviation: 97.02797
R^2: 0.99380
Parameters:
a = 128.14554
b = 9398.22017
c = 6.50539
d = 0.28280

Bead 84

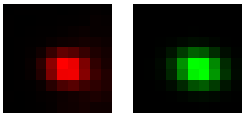
Date : Thu Jul 14 17:33:37 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

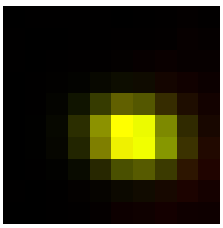
Coordinates : -51.0 um (x), -24.8 um (y), 6.39 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	266 nm	271 nm	190 nm
max	362 nm	370 nm	190 nm
z	908 nm	910 nm	642 nm
Asymmetry	0.735		
Theta	-9.2°		

XY profile & fitting parameters :

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

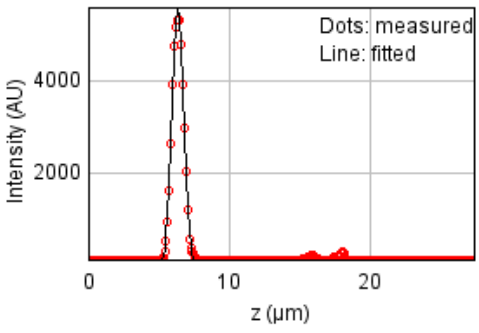




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 5918.152 (brightness)
B = 204.946 (background)
a = 0.291 px
b = -0.038 px
c = 0.522 px
xc = 5.530 px
yc = 5.480 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 634759.035
Standard deviation: 51.75237
R^2: 0.99624
Parameters:
a = 121.83094
b = 5605.11331
c = 6.39469
d = 0.38556

Bead 85

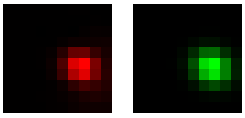
Date : Thu Jul 14 17:33:37 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

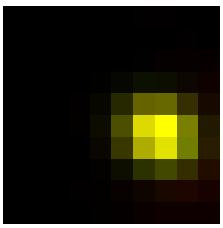
Coordinates : 2.99 um (x), -20.7 um (y), 6.57 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	263 nm	268 nm	190 nm
max	304 nm	311 nm	190 nm
z	647 nm	648 nm	642 nm
Asymmetry	0.863		
Theta	-27.6°		

XY profile & fitting parameters :

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

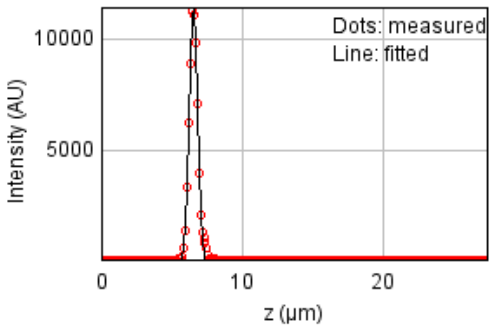




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 12060.288 (brightness)
B = 223.538 (background)
a = 0.433 px
b = -0.056 px
c = 0.511 px
xc = 6.734 px
yc = 5.350 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2021985.03
Standard deviation: 92.36657
R^2: 0.99618
Parameters:
a = 128.42145
b = 11539.5499
c = 6.57384
d = 0.27469

Bead 86

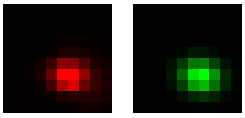
Date : Thu Jul 14 17:33:37 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

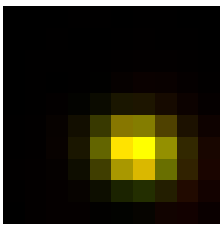
Coordinates : 46.2 um (x), 21.9 um (y), 6.59 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	265 nm	270 nm	190 nm
max	331 nm	338 nm	190 nm
z	695 nm	697 nm	642 nm
Asymmetry	0.799		
Theta	-11.4°		

XY profile & fitting parameters :

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

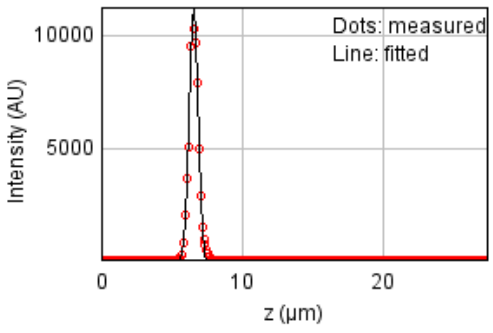




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 11284.925 (brightness)
B = 236.220 (background)
a = 0.348 px
b = -0.037 px
c = 0.525 px
xc = 5.687 px
yc = 6.163 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 4821841.41
Standard deviation: 142.63703
R^2: 0.99111
Parameters:
a = 123.19772
b = 11252.5992
c = 6.58646
d = 0.29516

Bead 87

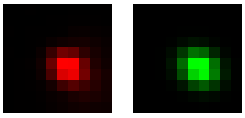
Date : Thu Jul 14 17:33:37 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

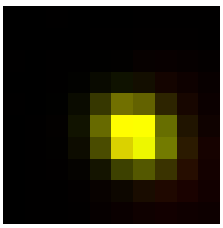
Coordinates : 1.81 um (x), 19.0 um (y), 6.62 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	262 nm	267 nm	190 nm
max	313 nm	320 nm	190 nm
z	754 nm	755 nm	642 nm
Asymmetry	0.837		
Theta	-32.4°		

XY profile & fitting parameters :

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

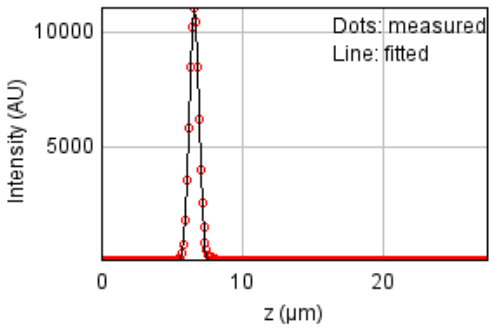




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 12770.448 (brightness)
B = 297.890 (background)
a = 0.428 px
b = -0.074 px
c = 0.497 px
xc = 5.584 px
yc = 5.402 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 844017.731
Standard deviation: 59.67626
R^2: 0.99850
Parameters:
a = 125.25989
b = 11078.2998
c = 6.62452
d = 0.32009

Bead 88

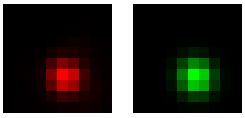
Date : Thu Jul 14 17:33:37 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

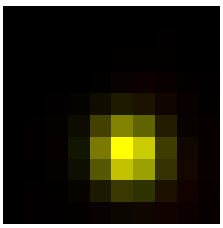
Coordinates : 35.4 um (x), 4.5 um (y), 6.55 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	272 nm	278 nm	190 nm
max	285 nm	291 nm	190 nm
z	634 nm	635 nm	642 nm
Asymmetry	0.955		
Theta	-53.3°		

XY profile & fitting parameters :

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

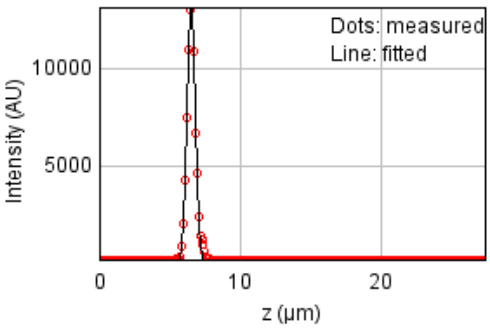




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.993

Parameters:
A = 13425.721 (brightness)
B = 262.644 (background)
a = 0.488 px
b = -0.021 px
c = 0.475 px
xc = 5.276 px
yc = 6.216 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2999742.63
Standard deviation: 112.50396
R^2: 0.99577
Parameters:
a = 124.19691
b = 13467.2899
c = 6.55358
d = 0.26918

Bead 89

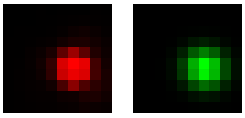
Date : Thu Jul 14 17:33:37 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

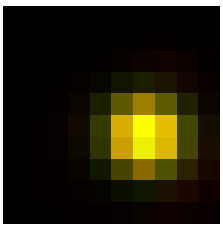
Coordinates : 53.4 um (x), -9.21 um (y), 6.59 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	310 nm	317 nm	190 nm
max	331 nm	338 nm	190 nm
z	648 nm	650 nm	642 nm
Asymmetry	0.937		
Theta	-17.4°		

XY profile & fitting parameters :

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

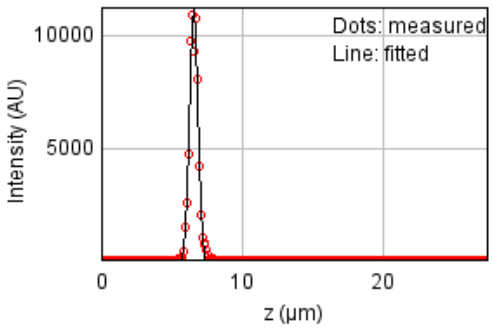




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 10776.902 (brightness)
B = 207.313 (background)
a = 0.344 px
b = -0.014 px
c = 0.383 px
xc = 6.077 px
yc = 5.425 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 8850415.84
Standard deviation: 193.24473
R^2: 0.98274
Parameters:
a = 116.97668
b = 11259.8805
c = 6.59316
d = 0.27529

Bead 90

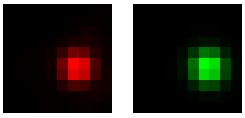
Date : Thu Jul 14 17:33:37 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

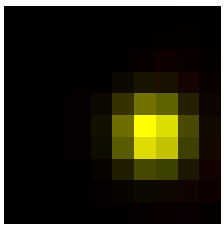
Coordinates : 49.8 um (x), -10.1 um (y), 6.77 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	273 nm	279 nm	190 nm
max	280 nm	286 nm	190 nm
z	632 nm	634 nm	642 nm
Asymmetry	0.976		
Theta	-65.0°		

XY profile & fitting parameters :

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

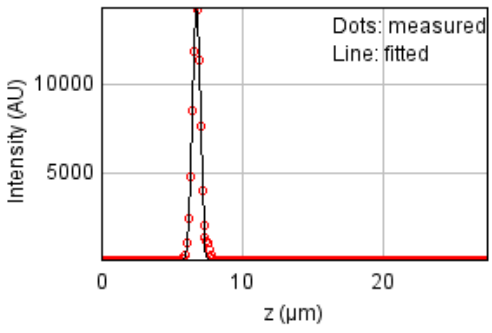




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.994

Parameters:
A = 15822.394 (brightness)
B = 291.544 (background)
a = 0.496 px
b = -0.009 px
c = 0.481 px
xc = 6.367 px
yc = 5.346 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2845246.10
Standard deviation: 109.56851
R^2: 0.99655
Parameters:
a = 129.21012
b = 14531.6368
c = 6.77475
d = 0.26847

Bead 91

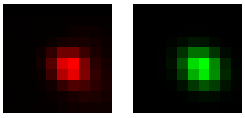
Date : Thu Jul 14 17:33:38 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

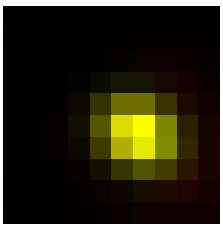
Coordinates : -12.7 um (x), 25.6 um (y), 6.95 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	270 nm	276 nm	190 nm
max	327 nm	334 nm	190 nm
z	662 nm	663 nm	642 nm
Asymmetry	0.827		
Theta	-31.9°		

XY profile & fitting parameters :

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

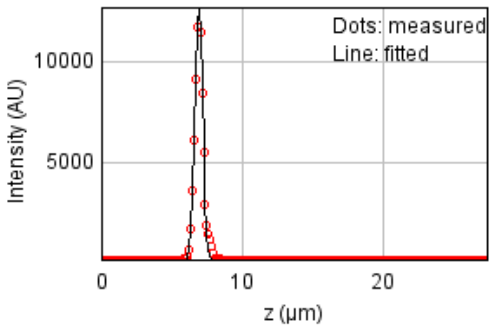




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 13822.386 (brightness)
B = 300.333 (background)
a = 0.395 px
b = -0.073 px
c = 0.466 px
xc = 5.756 px
yc = 5.362 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2867987.92
Standard deviation: 110.00552
R^2: 0.99566
Parameters:
a = 127.68469
b = 12741.2077
c = 6.95021
d = 0.28107

Bead 92

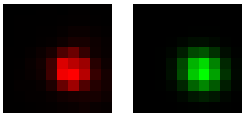
Date : Thu Jul 14 17:33:38 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

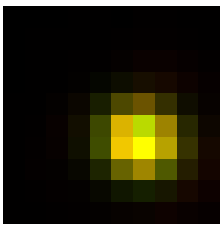
Coordinates : 53.5 um (x), -4.84 um (y), 6.86 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	300 nm	307 nm	190 nm
max	330 nm	337 nm	190 nm
z	674 nm	675 nm	642 nm
Asymmetry	0.911		
Theta	-22.2°		

XY profile & fitting parameters :

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

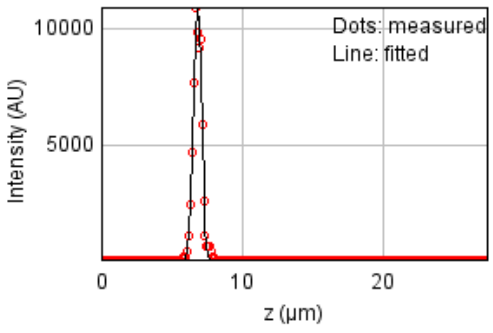




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 10737.151 (brightness)
B = 214.897 (background)
a = 0.354 px
b = -0.025 px
c = 0.404 px
xc = 5.828 px
yc = 5.686 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 6882441.11
Standard deviation: 170.41079
R^2: 0.98621
Parameters:
a = 115.64197
b = 10927.3370
c = 6.85908
d = 0.28614

Bead 93

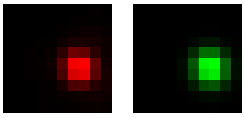
Date : Thu Jul 14 17:33:38 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

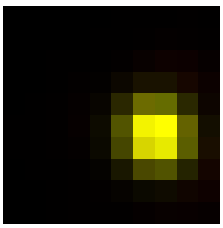
Coordinates : 43.9 um (x), -7.7 um (y), 6.99 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	269 nm	275 nm	190 nm
max	284 nm	290 nm	190 nm
z	602 nm	604 nm	642 nm
Asymmetry	0.947		
Theta	-61.9°		

XY profile & fitting parameters :

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

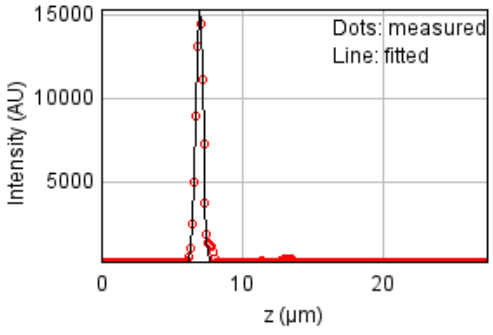




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.995

Parameters:
A = 18126.018 (brightness)
B = 292.630 (background)
a = 0.504 px
b = -0.022 px
c = 0.475 px
xc = 6.568 px
yc = 5.386 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 3930465.34
Standard deviation: 128.77982
R^2: 0.99560
Parameters:
a = 147.17084
b = 15487.5858
c = 6.99230
d = 0.25573

Bead 94

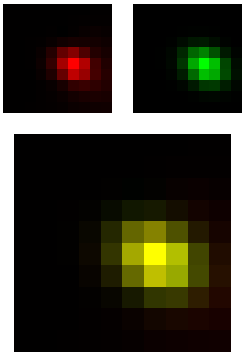
Date : Thu Jul 14 17:33:38 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

Coordinates : -7.52 um (x), 23.3 um (y), 7.14 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	265 nm	271 nm	190 nm
max	345 nm	352 nm	190 nm
z	656 nm	657 nm	642 nm
Asymmetry	0.769		
Theta	-27.1°		

XY profile & fitting parameters :

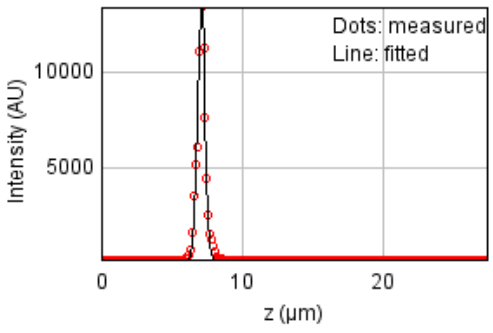
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 12967.158 (brightness)
B = 303.887 (background)
a = 0.359 px
b = -0.088 px
c = 0.485 px
xc = 6.145 px
yc = 5.223 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 8065985.38
Standard deviation: 184.48223
R^2: 0.98933
Parameters:
a = 131.82925
b = 13629.6271
c = 7.13563
d = 0.27858

Bead 95

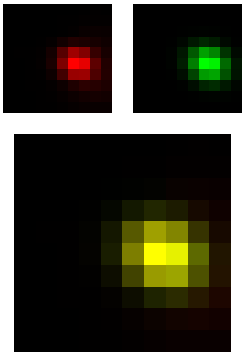
Date : Thu Jul 14 17:33:38 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

Coordinates : -11.2 um (x), 4.06 um (y), 7.18 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	269 nm	274 nm	190 nm
max	324 nm	331 nm	190 nm
z	741 nm	742 nm	642 nm
Asymmetry	0.829		
Theta	-25.3°		

XY profile & fitting parameters :

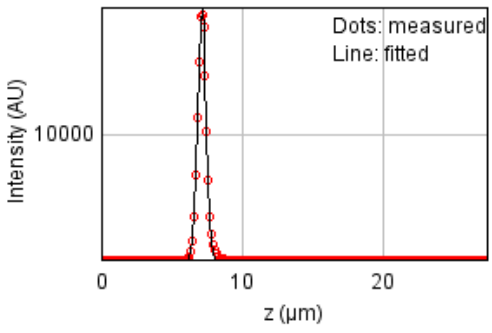
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 19826.163 (brightness)
B = 318.893 (background)
a = 0.385 px
b = -0.063 px
c = 0.488 px
xc = 6.427 px
yc = 5.038 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2696890.74
Standard deviation: 106.67374
R^2: 0.99851
Parameters:
a = 127.05649
b = 19896.1877
c = 7.18117
d = 0.31456

Bead 96

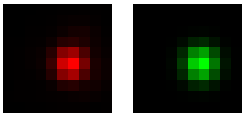
Date : Thu Jul 14 17:33:38 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

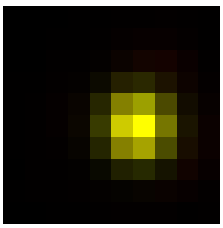
Coordinates : 56.8 um (x), -7.89 um (y), 7.01 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	273 nm	278 nm	190 nm
max	285 nm	291 nm	190 nm
z	597 nm	599 nm	642 nm
Asymmetry	0.957		
Theta	-83.4°		

XY profile & fitting parameters :

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

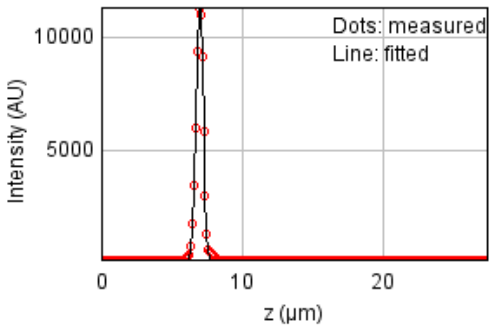




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.993

Parameters:
A = 11435.326 (brightness)
B = 264.680 (background)
a = 0.501 px
b = -0.005 px
c = 0.460 px
xc = 5.731 px
yc = 5.005 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 597401.686
Standard deviation: 50.20640
R^2: 0.99878
Parameters:
a = 118.52068
b = 11535.4259
c = 7.01076
d = 0.25368

Bead 97

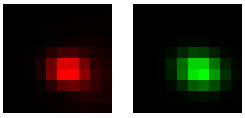
Date : Thu Jul 14 17:33:38 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

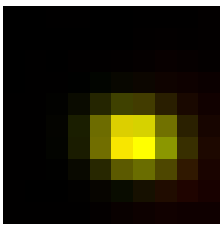
Coordinates : -39.4 um (x), -23.2 um (y), 7.11 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	264 nm	270 nm	190 nm
max	348 nm	356 nm	190 nm
z	831 nm	833 nm	642 nm
Asymmetry	0.759		
Theta	-12.0°		

XY profile & fitting parameters :

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

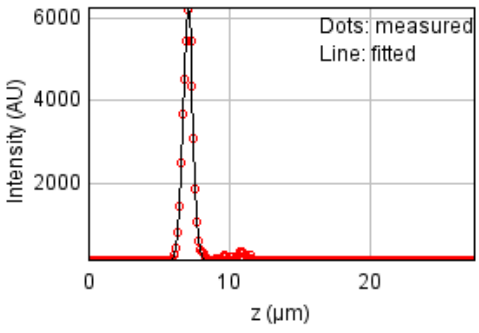




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 6964.223 (brightness)
B = 210.836 (background)
a = 0.317 px
b = -0.046 px
c = 0.524 px
xc = 5.618 px
yc = 5.655 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 741325.662
Standard deviation: 55.92814
R^2: 0.99621
Parameters:
a = 129.23276
b = 6278.95292
c = 7.11385
d = 0.35289

Bead 98

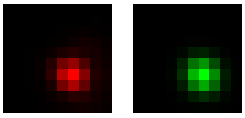
Date : Thu Jul 14 17:33:39 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

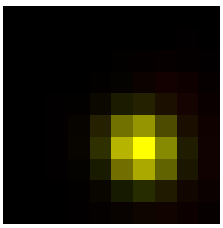
Coordinates : 12.4 um (x), -11.5 um (y), 7.44 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	268 nm	274 nm	190 nm
max	290 nm	296 nm	190 nm
z	633 nm	634 nm	642 nm
Asymmetry	0.926		
Theta	-47.4°		

XY profile & fitting parameters :

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

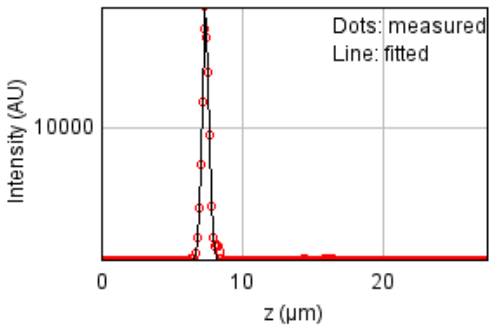




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

Parameters:
A = 18971.660 (brightness)
B = 369.425 (background)
a = 0.485 px
b = -0.037 px
c = 0.479 px
xc = 5.868 px
yc = 6.055 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 6165298.24
Standard deviation: 161.28830
R^2: 0.99568
Parameters:
a = 148.99255
b = 19091.3648
c = 7.44103
d = 0.26860

Bead 99

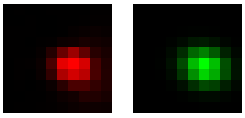
Date : Thu Jul 14 17:33:39 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

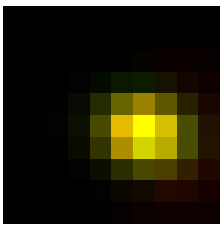
Coordinates : -21.7 um (x), -17.1 um (y), 7.29 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	287 nm	293 nm	190 nm
max	356 nm	364 nm	190 nm
z	769 nm	771 nm	642 nm
Asymmetry	0.806		
Theta	-15.0°		

XY profile & fitting parameters :

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

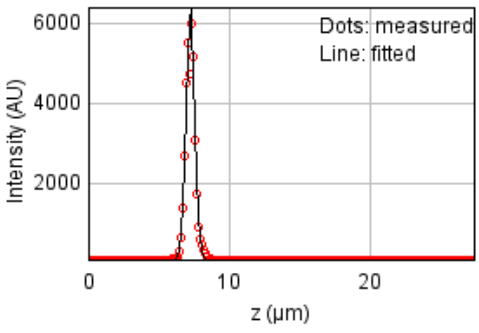




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 6500.855 (brightness)
B = 171.698 (background)
a = 0.304 px
b = -0.040 px
c = 0.442 px
xc = 6.060 px
yc = 5.291 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 4555982.25
Standard deviation: 138.64903
R^2: 0.97634
Parameters:
a = 114.85438
b = 6384.93516
c = 7.28874
d = 0.32662

Bead 100

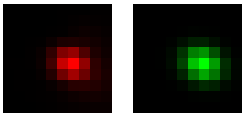
Date : Thu Jul 14 17:33:39 PDT 2022
Origin : data_traditional.tif (100x1.35 Sil)
Frame size : 10 pixels

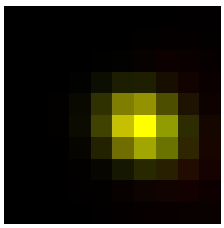
Coordinates : -15.2 um (x), 24.8 um (y), 7.53 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	266 nm	271 nm	190 nm
max	323 nm	330 nm	190 nm
z	643 nm	644 nm	642 nm
Asymmetry	0.822		
Theta	-25.0°		

XY profile & fitting parameters :

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

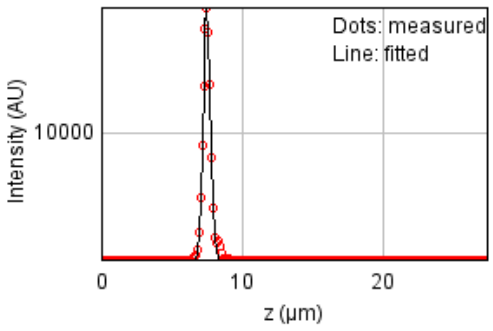




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 19259.490 (brightness)
B = 375.538 (background)
a = 0.388 px
b = -0.066 px
c = 0.498 px
xc = 5.870 px
yc = 5.047 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 4707283.59
Standard deviation: 140.93245
R^2: 0.99695
Parameters:
a = 135.79097
b = 19675.0218
c = 7.53416
d = 0.27295