Bead 1701

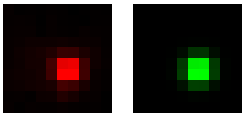
Date : Mon Oct 17 13:29:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

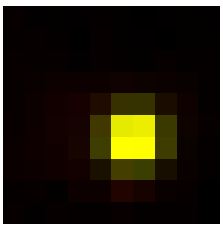
Coordinates : -152 um (x), 19.9 um (y), 38.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	439 nm	223 nm
max	434 nm	449 nm	223 nm
z	1.37 um	1.38 um	885 nm
Asymmetry	0.978		
Theta	17.5°		

XY profile & fitting parameters :

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

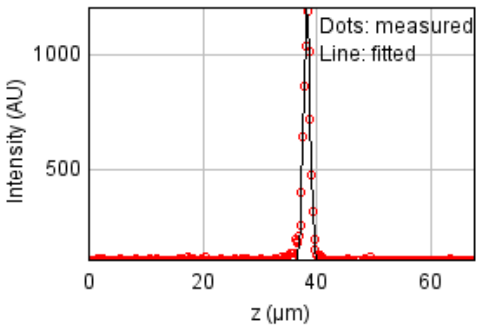




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1659.449 (brightness)
B = 137.044 (background)
a = 0.715 px
b = 0.009 px
c = 0.741 px
xc = 5.500 px
yc = 5.553 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45333.6517
Standard deviation: 12.15182
R^2: 0.99172
Parameters:
a = 112.49047
b = 1204.79663
c = 38.33341
d = 0.58246

Bead 1702

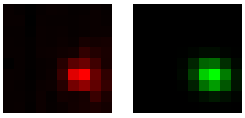
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

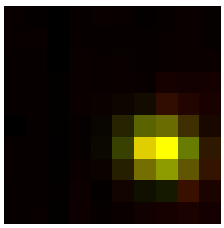
Coordinates : 57.6 um (x), 20.2 um (y), 38.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	438 nm	453 nm	223 nm
max	546 nm	565 nm	223 nm
z	1.27 um	1.28 um	885 nm
Asymmetry	0.802		
Theta	-15.7°		

XY profile & fitting parameters :

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

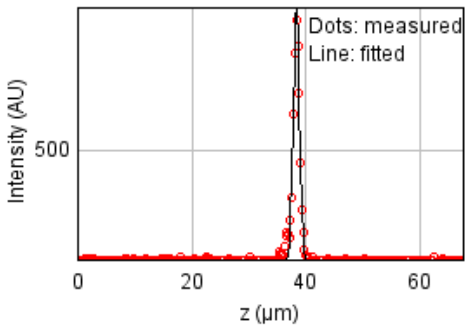




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 848.750 (brightness)
B = 123.027 (background)
a = 0.468 px
b = -0.065 px
c = 0.681 px
xc = 6.744 px
yc = 6.113 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50370.3256
Standard deviation: 12.80909
R^2: 0.98524
Parameters:
a = 114.08127
b = 1004.82779
c = 38.42186
d = 0.54114

Bead 1703

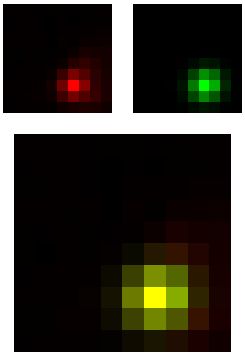
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 68.2 um (x), 15.4 um (y), 38.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	465 nm	481 nm	223 nm
max	490 nm	507 nm	223 nm
z	1.52 um	1.52 um	885 nm
Asymmetry	0.949		
Theta	25.7°		

XY profile & fitting parameters :

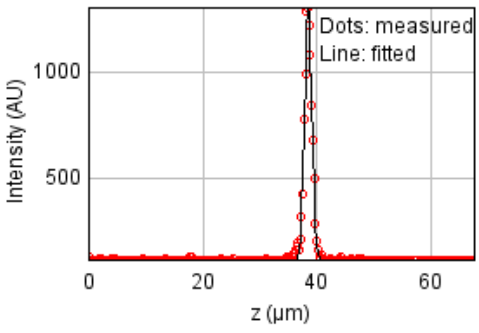
(red : the orignal data, green : the fit, yellow : the two merged)



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

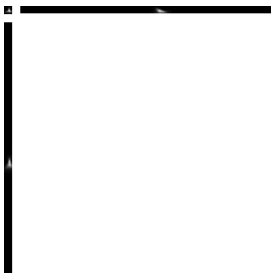
Parameters:
A = 1066.764 (brightness)
B = 130.545 (background)
a = 0.570 px
b = 0.024 px
c = 0.608 px
xc = 6.153 px
yc = 6.964 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 59712.6529
Standard deviation: 13.94646
R^2: 0.99181
Parameters:
a = 113.67399
b = 1313.65129
c = 38.56132
d = 0.64491

Bead 1704



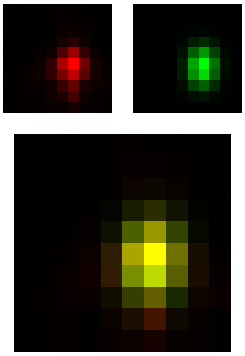
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -28.2 um (x), -91.4 um (y), 37.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	461 nm	477 nm	223 nm
max	626 nm	647 nm	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.736		
Theta	88.3°		

XY profile & fitting parameters :

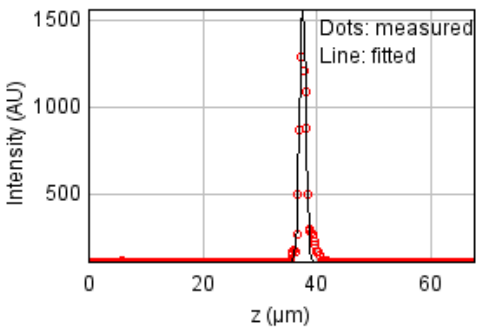
(red : the orignal data, green : the fit, yellow : the two merged)



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

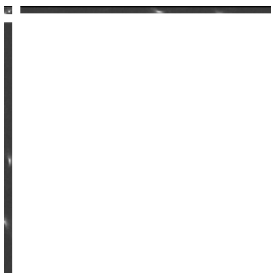
Parameters:
A = 1450.456 (brightness)
B = 129.785 (background)
a = 0.631 px
b = 0.008 px
c = 0.343 px
xc = 5.841 px
yc = 5.271 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 200603.188
Standard deviation: 25.56229
R^2: 0.97878
Parameters:
a = 116.10463
b = 1564.75663
c = 37.58361
d = 0.56404

Bead 1705 (Rejected)



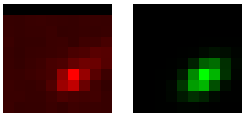
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

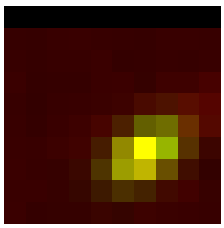
Coordinates : 153 um (x), 96.1 um (y), 37.3 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	415 nm	223 nm
max	650 nm	671 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.618		
Theta	34.7°		

XY profile & fitting parameters :

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

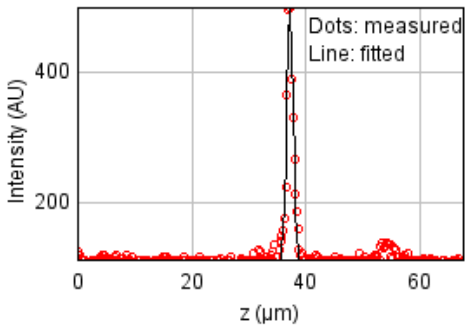




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.733

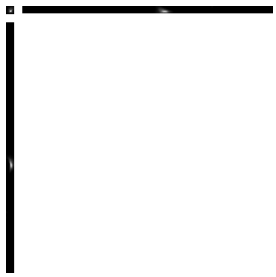
Parameters:
A = 374.661 (brightness)
B = 99.453 (background)
a = 0.485 px
b = 0.241 px
c = 0.666 px
xc = 6.029 px
yc = 6.230 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28902.2428
Standard deviation: 9.70279
R^2: 0.95899
Parameters:
a = 112.47913
b = 503.43743
c = 37.27062
d = 0.56559

Bead 1706



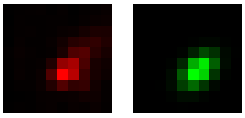
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

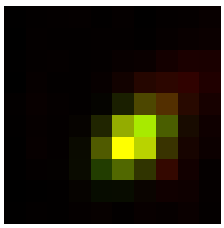
Coordinates : 116 um (x), 78.0 um (y), 38.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	596 nm	616 nm	223 nm
z	1.65 um	1.66 um	885 nm
Asymmetry	0.653		
Theta	42.9°		

XY profile & fitting parameters :

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

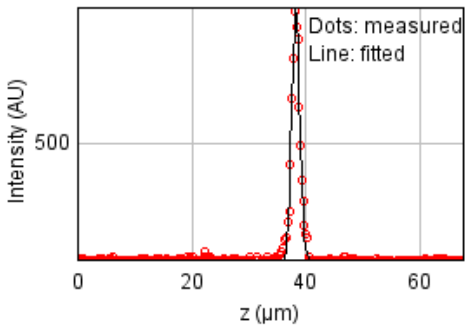




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.915

Parameters:
A = 828.597 (brightness)
B = 127.323 (background)
a = 0.612 px
b = 0.253 px
c = 0.649 px
xc = 5.502 px
yc = 5.613 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 43673.3698
Standard deviation: 11.92722
R^2: 0.98852
Parameters:
a = 113.98594
b = 944.59536
c = 38.31487
d = 0.70219

Bead 1707

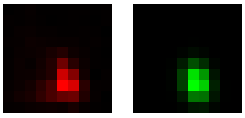
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

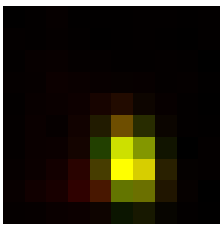
Coordinates : -75.6 um (x), 75.3 um (y), 38.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	412 nm	223 nm
max	553 nm	572 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.722		
Theta	-77.1°		

XY profile & fitting parameters :

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

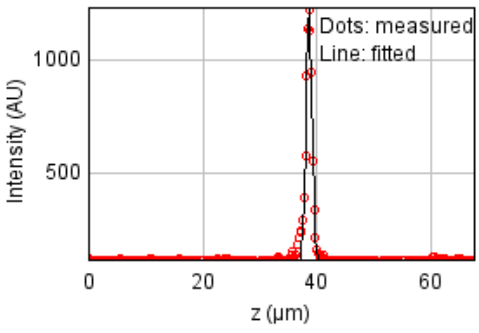




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

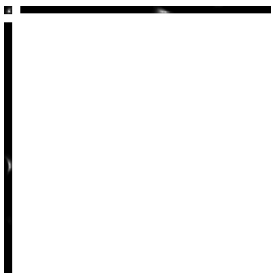
Parameters:
A = 1213.465 (brightness)
B = 135.445 (background)
a = 0.823 px
b = -0.088 px
c = 0.459 px
xc = 5.338 px
yc = 6.710 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 74865.1645
Standard deviation: 15.61603
R^2: 0.98562
Parameters:
a = 116.73980
b = 1233.04717
c = 38.70740
d = 0.52545

Bead 1708 (Rejected)



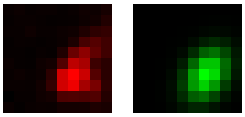
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

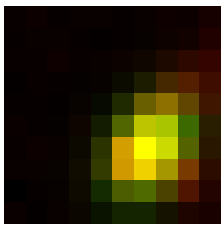
Coordinates : 76.0 um (x), 53.0 um (y), 38.6 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	601 nm	621 nm	223 nm
max	855 nm	884 nm	223 nm
z	1.73 um	1.73 um	885 nm
Asymmetry	0.703		
Theta	58.7°		

XY profile & fitting parameters :

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

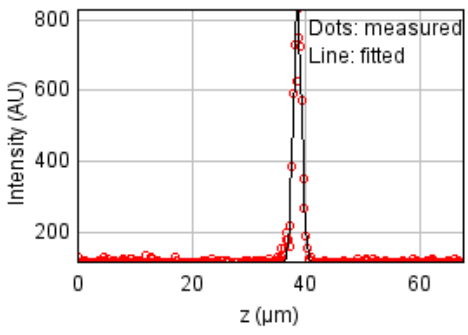




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.896

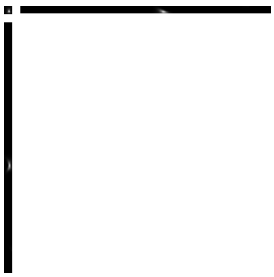
Parameters:
A = 521.461 (brightness)
B = 119.147 (background)
a = 0.321 px
b = 0.083 px
c = 0.234 px
xc = 6.259 px
yc = 5.979 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 116886.430
Standard deviation: 19.51250
R^2: 0.96193
Parameters:
a = 113.91178
b = 835.29965
c = 38.60131
d = 0.73256

Bead 1709



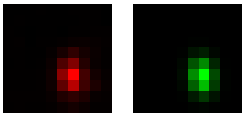
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

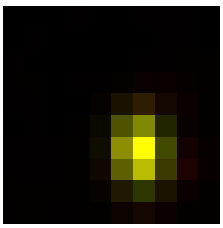
Coordinates : 7.22 um (x), 26.4 um (y), 38.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	393 nm	223 nm
max	539 nm	557 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.706		
Theta	-84.7°		

XY profile & fitting parameters :

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

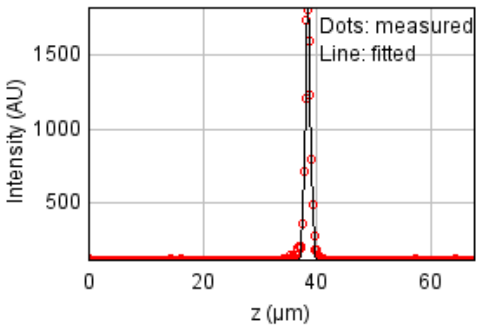




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

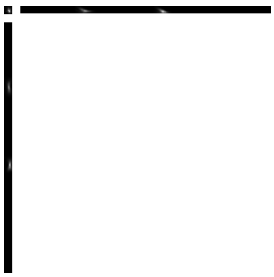
Parameters:
A = 1705.934 (brightness)
B = 126.878 (background)
a = 0.924 px
b = -0.043 px
c = 0.467 px
xc = 5.828 px
yc = 6.152 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 76636.8858
Standard deviation: 15.79973
R^2: 0.99303
Parameters:
a = 115.98377
b = 1814.80163
c = 38.50706
d = 0.48140

Bead 1710



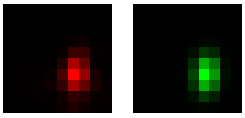
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

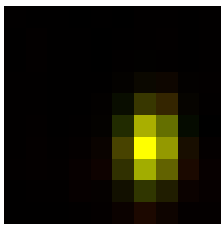
Coordinates : -20.0 um (x), 15.8 um (y), 38.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	393 nm	223 nm
max	590 nm	610 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.644		
Theta	87.0°		

XY profile & fitting parameters :

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

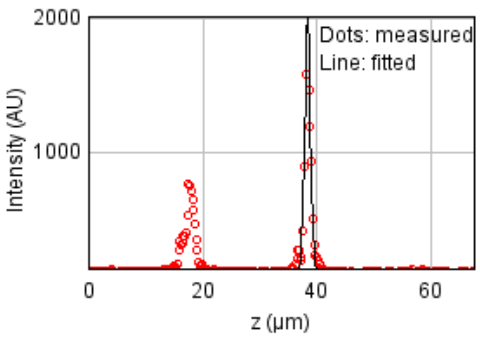




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.989

Parameters:
A = 1967.850 (brightness)
B = 127.128 (background)
a = 0.926 px
b = 0.029 px
c = 0.387 px
xc = 6.224 px
yc = 5.976 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 3072662.87
Standard deviation: 100.04336
R^2: 0.81629
Parameters:
a = 140.14477
b = 2019.33334
c = 38.44664
d = 0.49257

Bead 1711

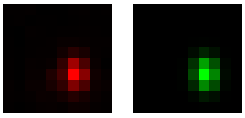
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

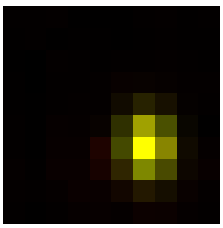
Coordinates : -44.2 um (x), 8.6 um (y), 38.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	387 nm	223 nm
max	496 nm	512 nm	223 nm
z	1.17 um	1.17 um	885 nm
Asymmetry	0.755		
Theta	-86.8°		

XY profile & fitting parameters :

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

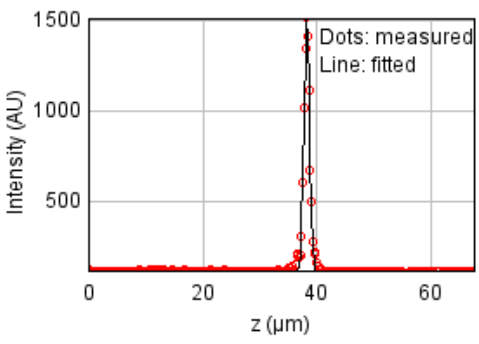




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

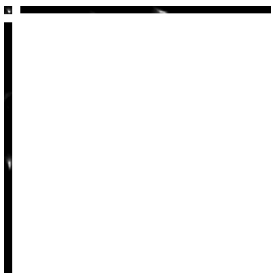
Parameters:
A = 1399.748 (brightness)
B = 127.657 (background)
a = 0.957 px
b = -0.023 px
c = 0.548 px
xc = 6.155 px
yc = 5.926 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 65480.9721
Standard deviation: 14.60456
R^2: 0.99145
Parameters:
a = 115.07994
b = 1511.71280
c = 38.31776
d = 0.49622

Bead 1712



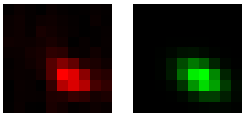
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

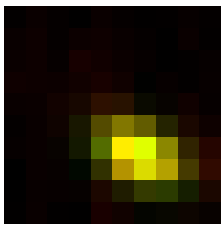
Coordinates : 157 um (x), -9.09 um (y), 38.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	447 nm	462 nm	223 nm
max	704 nm	727 nm	223 nm
z	1.57 um	1.58 um	885 nm
Asymmetry	0.636		
Theta	-27.4°		

XY profile & fitting parameters :

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

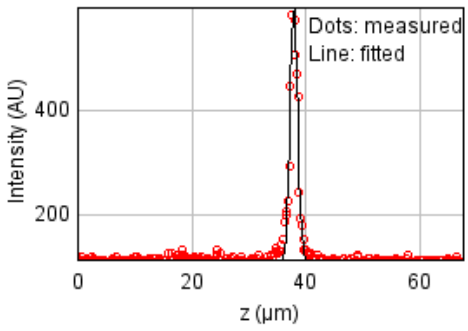




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 494.483 (brightness)
B = 115.954 (background)
a = 0.356 px
b = -0.163 px
c = 0.586 px
xc = 5.740 px
yc = 6.296 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45442.1932
Standard deviation: 12.16635
R^2: 0.96499
Parameters:
a = 111.55962
b = 602.39314
c = 37.98177
d = 0.66869

Bead 1713

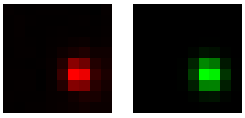
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

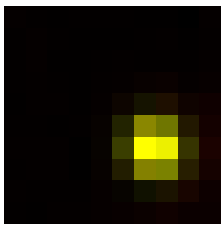
Coordinates : 87.4 um (x), -35.6 um (y), 38.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	437 nm	223 nm
max	455 nm	470 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.929		
Theta	-69.2°		

XY profile & fitting parameters :

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

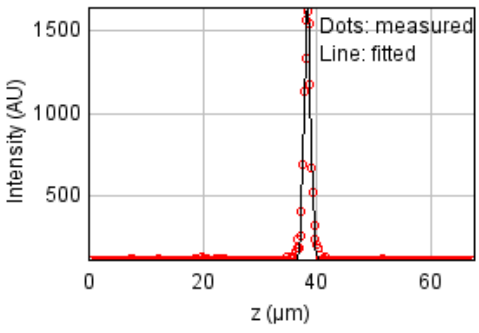




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1714.848 (brightness)
B = 126.724 (background)
a = 0.737 px
b = -0.034 px
c = 0.661 px
xc = 6.457 px
yc = 6.008 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 88818.5147
Standard deviation: 17.00915
R^2: 0.99182
Parameters:
a = 115.01355
b = 1650.05474
c = 38.42100
d = 0.58524

Bead 1714

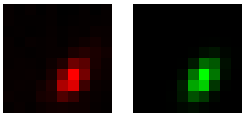
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

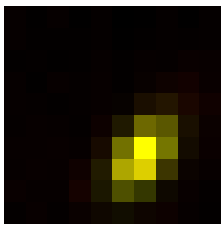
Coordinates : -151 um (x), -55.5 um (y), 37.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	367 nm	379 nm	223 nm
max	614 nm	634 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.598		
Theta	55.9°		

XY profile & fitting parameters :

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

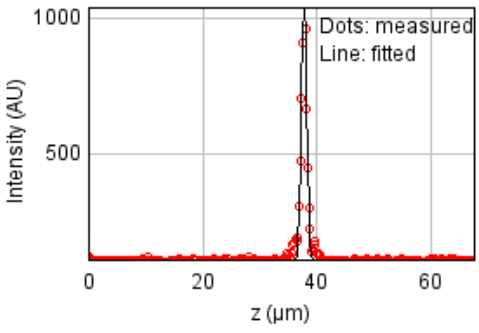




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

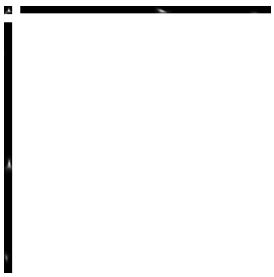
Parameters:
A = 1058.276 (brightness)
B = 124.236 (background)
a = 0.795 px
b = 0.298 px
c = 0.558 px
xc = 5.874 px
yc = 6.378 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 54720.9846
Standard deviation: 13.35081
R^2: 0.98359
Parameters:
a = 113.43846
b = 1039.52014
c = 37.83652
d = 0.48722

Bead 1715



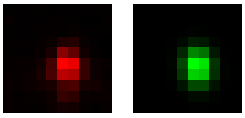
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

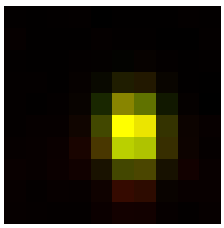
Coordinates : -28.5 um (x), -70.2 um (y), 38.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	454 nm	223 nm
max	560 nm	579 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.785		
Theta	-84.9°		

XY profile & fitting parameters :

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

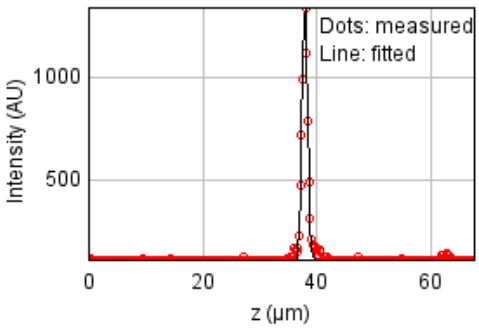




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

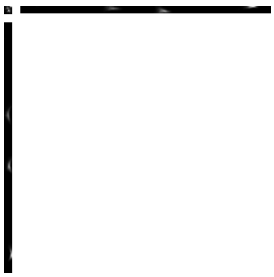
Parameters:
A = 1353.745 (brightness)
B = 129.958 (background)
a = 0.693 px
b = -0.024 px
c = 0.430 px
xc = 5.429 px
yc = 5.282 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 64850.4148
Standard deviation: 14.53407
R^2: 0.98911
Parameters:
a = 116.07414
b = 1352.93146
c = 37.97757
d = 0.49042

Bead 1716



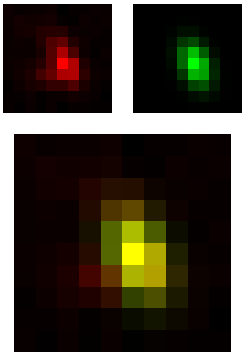
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -104 um (x), 89.1 um (y), 38.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	431 nm	446 nm	223 nm
max	704 nm	728 nm	223 nm
z	1.36 um	1.37 um	885 nm
Asymmetry	0.613		
Theta	-68.9°		

XY profile & fitting parameters :

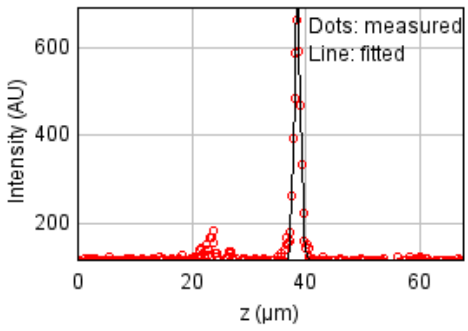
(red : the orignal data, green : the fit, yellow : the two merged)



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

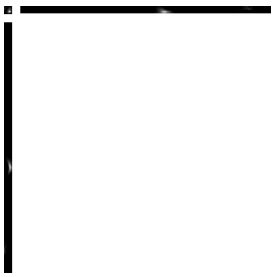
Parameters:
A = 528.700 (brightness)
B = 126.950 (background)
a = 0.662 px
b = -0.151 px
c = 0.329 px
xc = 5.200 px
yc = 5.054 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46719.0207
Standard deviation: 12.33609
R^2: 0.97024
Parameters:
a = 115.37321
b = 696.02501
c = 38.58931
d = 0.57832

Bead 1717



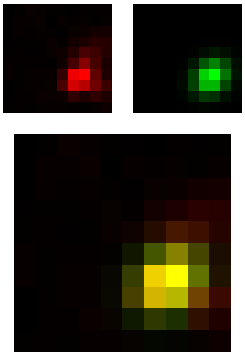
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 94.3 um (x), 76.9 um (y), 38.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	472 nm	488 nm	223 nm
max	567 nm	586 nm	223 nm
z	2.0 um	2.01 um	885 nm
Asymmetry	0.832		
Theta	43.9°		

XY profile & fitting parameters :

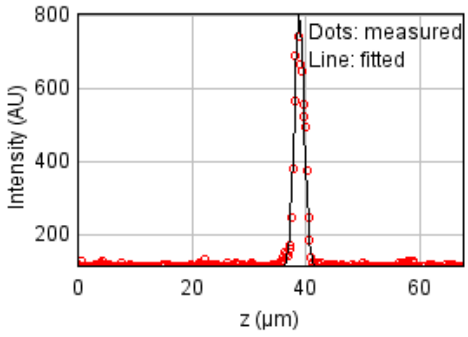
(red : the orignal data, green : the fit, yellow : the two merged)



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

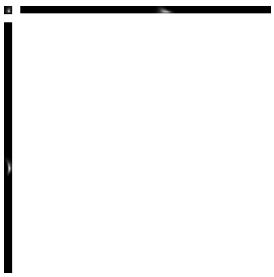
Parameters:
A = 737.715 (brightness)
B = 125.414 (background)
a = 0.506 px
b = 0.092 px
c = 0.513 px
xc = 6.657 px
yc = 6.233 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 98531.9620
Standard deviation: 17.91511
R^2: 0.96938
Parameters:
a = 113.03316
b = 804.21296
c = 38.90876
d = 0.84821

Bead 1718



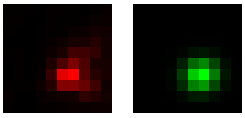
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

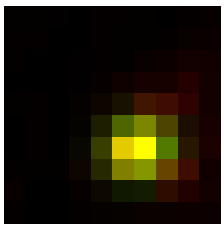
Coordinates : 69.2 um (x), 49.7 um (y), 39.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	477 nm	493 nm	223 nm
max	530 nm	548 nm	223 nm
z	1.43 um	1.44 um	885 nm
Asymmetry	0.901		
Theta	12.6°		

XY profile & fitting parameters :

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

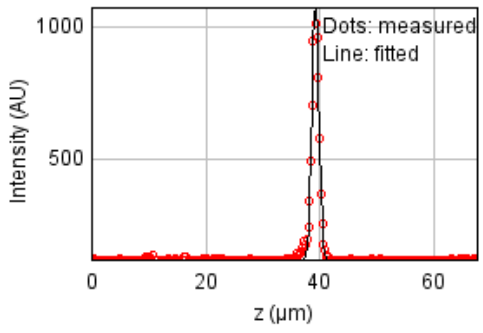




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.904

Parameters:
A = 877.895 (brightness)
B = 133.454 (background)
a = 0.483 px
b = 0.024 px
c = 0.584 px
xc = 5.734 px
yc = 6.062 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40784.0003
Standard deviation: 11.52592
R^2: 0.99088
Parameters:
a = 114.08573
b = 1081.27012
c = 39.29692
d = 0.60759

Bead 1719

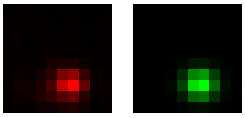
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

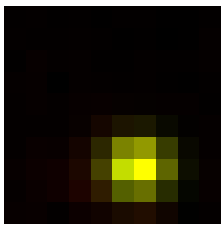
Coordinates : -101 um (x), 2.23 um (y), 38.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	461 nm	223 nm
max	500 nm	517 nm	223 nm
z	1.64 um	1.64 um	885 nm
Asymmetry	0.893		
Theta	0.2°		

XY profile & fitting parameters :

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

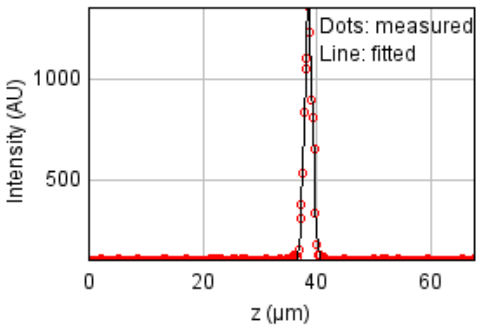




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1245.364 (brightness)
B = 129.360 (background)
a = 0.537 px
b = 0.001 px
c = 0.674 px
xc = 5.638 px
yc = 6.884 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 82573.2843
Standard deviation: 16.40025
R^2: 0.99032
Parameters:
a = 111.26994
b = 1362.59294
c = 38.60500
d = 0.69458

Bead 1720

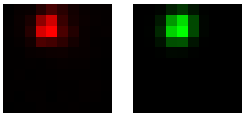
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

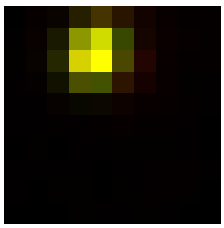
Coordinates : 94.5 um (x), 2.93 um (y), 59.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	427 nm	223 nm
max	474 nm	490 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.872		
Theta	60.3°		

XY profile & fitting parameters :

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

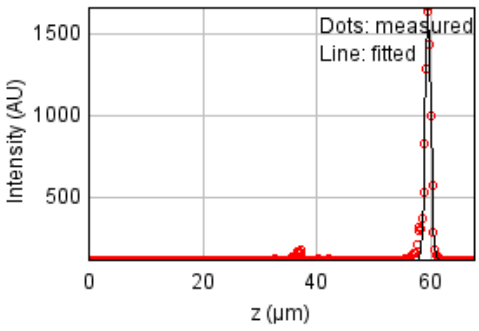




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

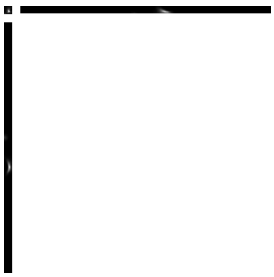
Parameters:
A = 1779.839 (brightness)
B = 124.953 (background)
a = 0.739 px
b = 0.081 px
c = 0.643 px
xc = 3.675 px
yc = 1.660 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 159176.024
Standard deviation: 22.77035
R^2: 0.98335
Parameters:
a = 117.65907
b = 1679.71370
c = 59.53534
d = 0.49091

Bead 1721



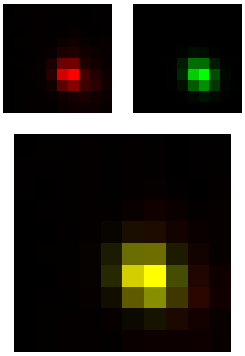
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 46.3 um (x), -10.1 um (y), 38.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	415 nm	223 nm
max	474 nm	490 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.846		
Theta	-43.7°		

XY profile & fitting parameters :

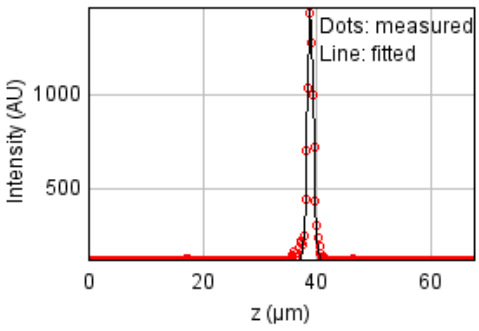
(red : the orignal data, green : the fit, yellow : the two merged)



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

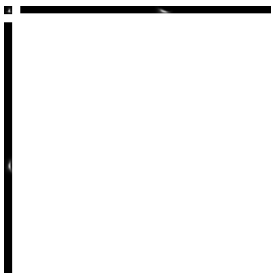
Parameters:
A = 1479.223 (brightness)
B = 133.133 (background)
a = 0.711 px
b = -0.118 px
c = 0.721 px
xc = 5.660 px
yc = 6.039 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 67859.8892
Standard deviation: 14.86748
R^2: 0.99099
Parameters:
a = 115.10648
b = 1462.87898
c = 38.92831
d = 0.52410

Bead 1722



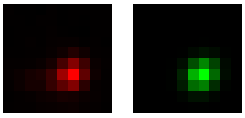
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

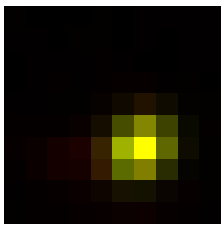
Coordinates : -82.3 um (x), -33.4 um (y), 38.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	437 nm	223 nm
max	492 nm	508 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.861		
Theta	39.0°		

XY profile & fitting parameters :

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

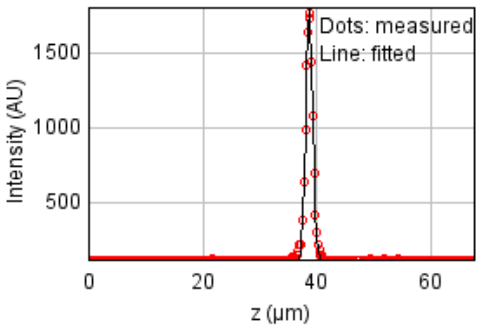




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

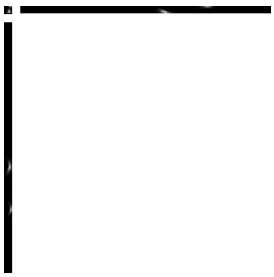
Parameters:
A = 1609.737 (brightness)
B = 130.403 (background)
a = 0.632 px
b = 0.095 px
c = 0.673 px
xc = 5.785 px
yc = 6.012 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 43243.1760
Standard deviation: 11.86833
R^2: 0.99676
Parameters:
a = 112.89345
b = 1797.87077
c = 38.74112
d = 0.60067

Bead 1723



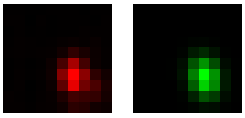
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

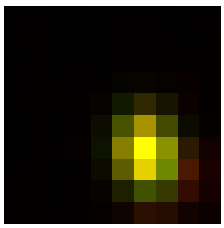
Coordinates : 29.9 um (x), -38.6 um (y), 38.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	456 nm	472 nm	223 nm
max	607 nm	628 nm	223 nm
z	1.34 um	1.35 um	885 nm
Asymmetry	0.751		
Theta	-77.7°		

XY profile & fitting parameters :

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

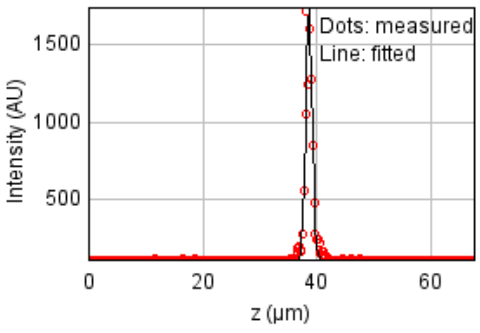




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

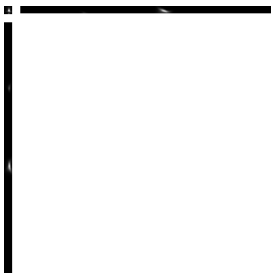
Parameters:
A = 1510.697 (brightness)
B = 127.172 (background)
a = 0.632 px
b = -0.058 px
c = 0.377 px
xc = 6.081 px
yc = 6.245 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 494501.821
Standard deviation: 40.13421
R^2: 0.95920
Parameters:
a = 115.75949
b = 1731.75966
c = 38.69693
d = 0.56951

Bead 1724



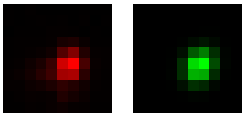
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

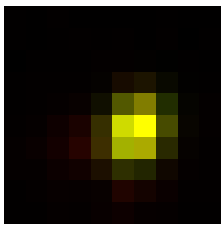
Coordinates : -74.5 um (x), -38.5 um (y), 38.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	439 nm	223 nm
max	514 nm	531 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.827		
Theta	61.5°		

XY profile & fitting parameters :

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

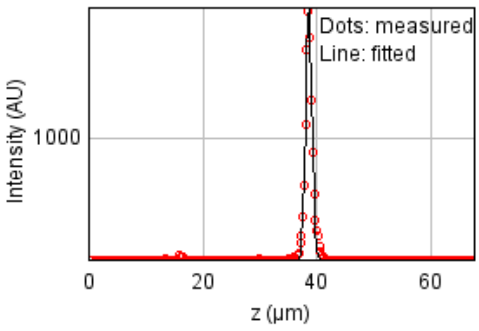




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

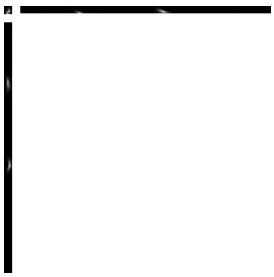
Parameters:
A = 2013.110 (brightness)
B = 139.736 (background)
a = 0.690 px
b = 0.099 px
c = 0.562 px
xc = 5.583 px
yc = 5.210 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 119554.178
Standard deviation: 19.73391
R^2: 0.99209
Parameters:
a = 115.96341
b = 1954.83127
c = 38.66352
d = 0.56751

Bead 1725



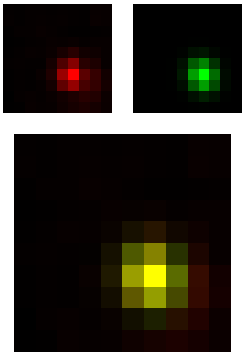
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 40.2 um (x), -45.8 um (y), 38.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	454 nm	223 nm
max	491 nm	507 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.894		
Theta	-66.5°		

XY profile & fitting parameters :

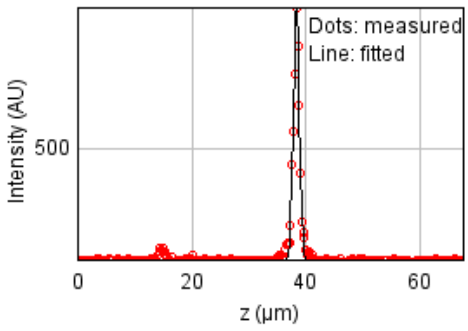
(red : the orignal data, green : the fit, yellow : the two merged)



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

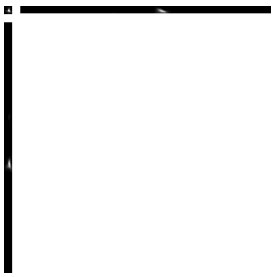
Parameters:
A = 840.075 (brightness)
B = 124.999 (background)
a = 0.674 px
b = -0.051 px
c = 0.579 px
xc = 5.859 px
yc = 6.070 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 52567.0275
Standard deviation: 13.08542
R^2: 0.98386
Parameters:
a = 116.92133
b = 998.72428
c = 38.41576
d = 0.52585

Bead 1726



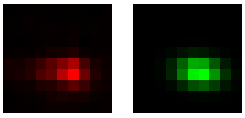
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

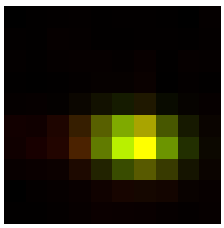
Coordinates : -82.8 um (x), -82.7 um (y), 38.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	437 nm	223 nm
max	673 nm	696 nm	223 nm
z	1.35 um	1.35 um	885 nm
Asymmetry	0.627		
Theta	-6.3°		

XY profile & fitting parameters :

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

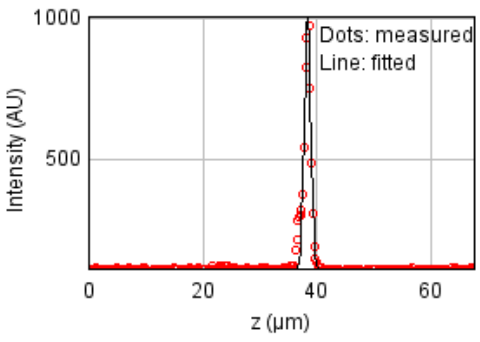




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 840.752 (brightness)
B = 125.738 (background)
a = 0.301 px
b = -0.050 px
c = 0.747 px
xc = 5.568 px
yc = 5.769 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 118882.768
Standard deviation: 19.67842
R^2: 0.96773
Parameters:
a = 115.52521
b = 1007.95413
c = 38.45152
d = 0.57279

Bead 1727

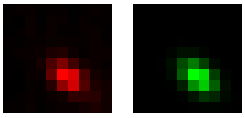
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

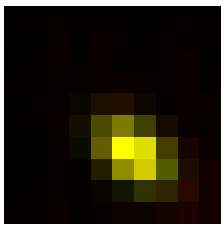
Coordinates : 142 um (x), -90.9 um (y), 38.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	402 nm	223 nm
max	608 nm	629 nm	223 nm
z	1.63 um	1.64 um	885 nm
Asymmetry	0.638		
Theta	-40.0°		

XY profile & fitting parameters :

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

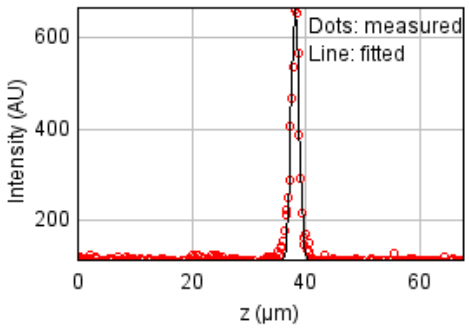




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

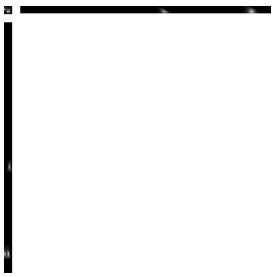
Parameters:
A = 657.404 (brightness)
B = 116.067 (background)
a = 0.581 px
b = -0.260 px
c = 0.671 px
xc = 5.481 px
yc = 6.236 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 42599.1143
Standard deviation: 11.77962
R^2: 0.97532
Parameters:
a = 110.91562
b = 670.05053
c = 38.19953
d = 0.69349

Bead 1728 (Rejected)



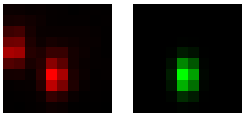
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

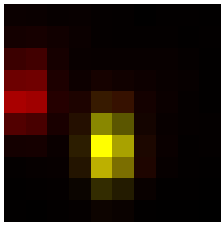
Coordinates : -37.5 um (x), 77.6 um (y), 62.3 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	319 nm	330 nm	223 nm
max	514 nm	532 nm	223 nm
z	1.32 um	1.33 um	885 nm
Asymmetry	0.62		
Theta	89.7°		

XY profile & fitting parameters :

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

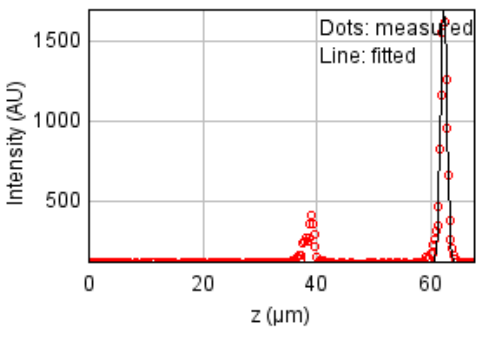




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.615

Parameters:
A = 1816.070 (brightness)
B = 218.140 (background)
a = 1.319 px
b = 0.005 px
c = 0.508 px
xc = 4.325 px
yc = 6.129 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 502491.044
Standard deviation: 40.45712
R^2: 0.95577
Parameters:
a = 125.19294
b = 1696.78862
c = 62.29935
d = 0.56218

Bead 1729

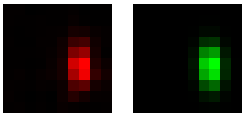
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

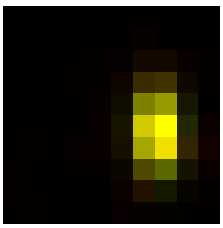
Coordinates : -13.3 um (x), 69.7 um (y), 38.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	358 nm	370 nm	223 nm
max	651 nm	673 nm	223 nm
z	1.05 um	1.05 um	885 nm
Asymmetry	0.55		
Theta	-87.7°		

XY profile & fitting parameters :

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

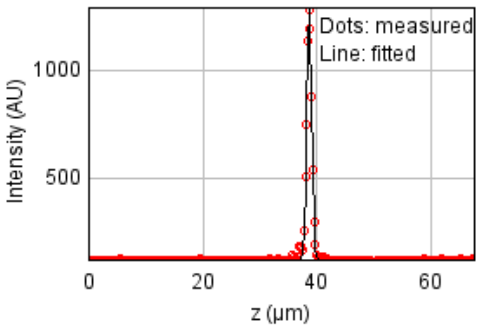




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

Parameters:
A = 1413.830 (brightness)
B = 121.011 (background)
a = 1.045 px
b = -0.029 px
c = 0.318 px
xc = 6.619 px
yc = 5.250 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29789.6815
Standard deviation: 9.85062
R^2: 0.99397
Parameters:
a = 114.86558
b = 1298.14441
c = 38.74801
d = 0.44603

Bead 1730

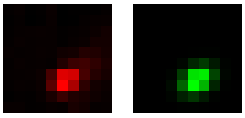
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

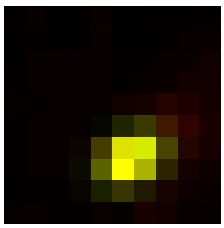
Coordinates : 140 um (x), 52.0 um (y), 38.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	385 nm	223 nm
max	506 nm	523 nm	223 nm
z	1.47 um	1.48 um	885 nm
Asymmetry	0.736		
Theta	31.4°		

XY profile & fitting parameters :

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

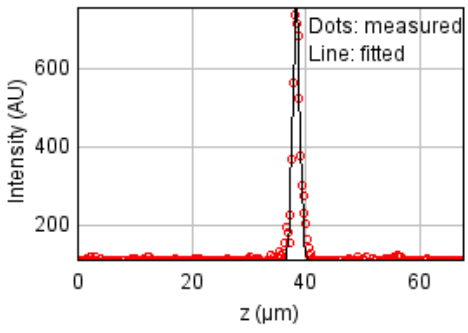




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

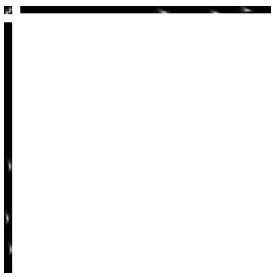
Parameters:
A = 825.237 (brightness)
B = 122.939 (background)
a = 0.645 px
b = 0.197 px
c = 0.847 px
xc = 5.385 px
yc = 6.483 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61229.4011
Standard deviation: 14.12248
R^2: 0.97101
Parameters:
a = 111.94347
b = 760.95853
c = 38.39963
d = 0.62483

Bead 1731



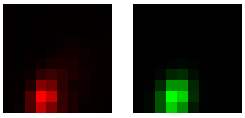
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

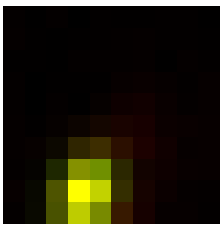
Coordinates : 123 um (x), 43.7 um (y), 52.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	442 nm	457 nm	223 nm
max	608 nm	628 nm	223 nm
z	1.49 um	1.5 um	885 nm
Asymmetry	0.727		
Theta	71.8°		

XY profile & fitting parameters :

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

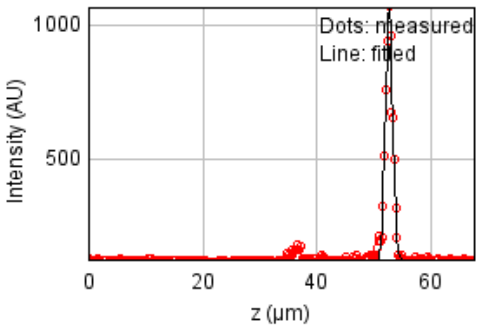




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 953.778 (brightness)
B = 126.138 (background)
a = 0.655 px
b = 0.096 px
c = 0.395 px
xc = 3.328 px
yc = 8.137 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 87117.2547
Standard deviation: 16.84546
R^2: 0.98112
Parameters:
a = 116.41065
b = 1074.53868
c = 52.72817
d = 0.63312

Bead 1732

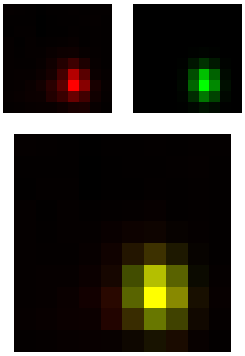
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -71.9 um (x), 33.9 um (y), 39.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	427 nm	223 nm
max	503 nm	520 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.82		
Theta	-85.6°		

XY profile & fitting parameters :

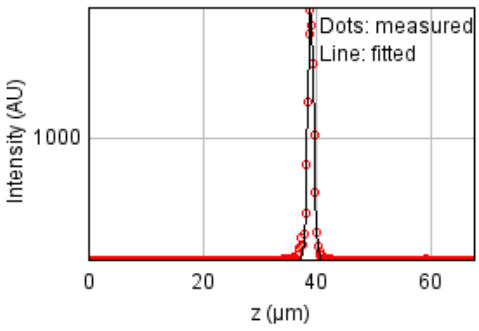
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1797.012 (brightness)
B = 136.319 (background)
a = 0.785 px
b = -0.020 px
c = 0.531 px
xc = 6.095 px
yc = 6.780 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 80794.2155
Standard deviation: 16.22262
R^2: 0.99425
Parameters:
a = 116.72509
b = 1967.62416
c = 38.98976
d = 0.52022

Bead 1733 (Rejected)

Date : Mon Oct 17 13:29:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 52.1 um (x), 25.3 um (y), 47.4 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

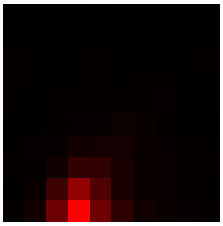
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

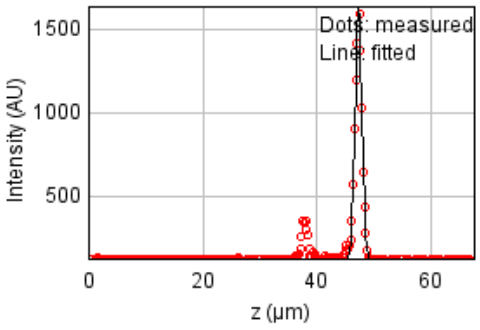
XY profile & fitting parameters :

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

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

Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 313691.094
Standard deviation: 31.96553
R^2: 0.97176
Parameters:
a = 121.01544
b = 1639.95135
c = 47.35029
d = 0.59945

Bead 1734

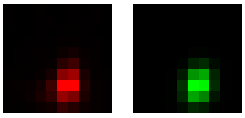
Date : Mon Oct 17 13:29:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

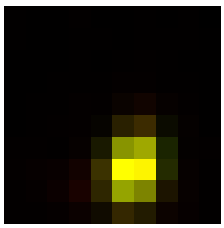
Coordinates : -35.1 um (x), -5.27 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	409 nm	223 nm
max	533 nm	551 nm	223 nm
z	1.12 um	1.12 um	885 nm
Asymmetry	0.742		
Theta	76.7°		

XY profile & fitting parameters :

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

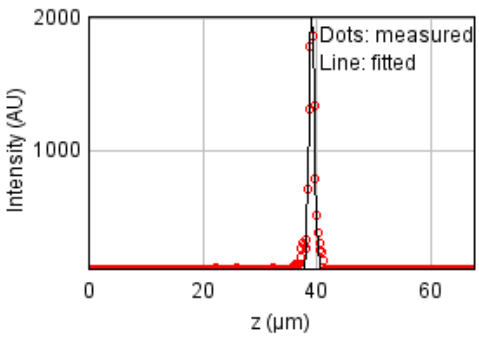




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

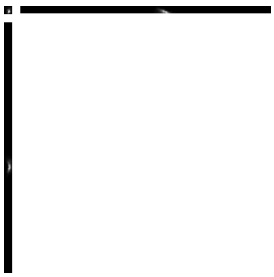
Parameters:
A = 2271.457 (brightness)
B = 125.988 (background)
a = 0.839 px
b = 0.086 px
c = 0.493 px
xc = 5.474 px
yc = 6.969 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 233722.727
Standard deviation: 27.59188
R^2: 0.98284
Parameters:
a = 118.80048
b = 2012.15924
c = 39.18164
d = 0.47544

Bead 1735



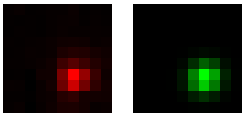
Date : Mon Oct 17 13:29:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

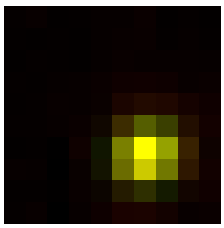
Coordinates : 112 um (x), -21.2 um (y), 39.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	460 nm	476 nm	223 nm
max	491 nm	507 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.938		
Theta	27.4°		

XY profile & fitting parameters :

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

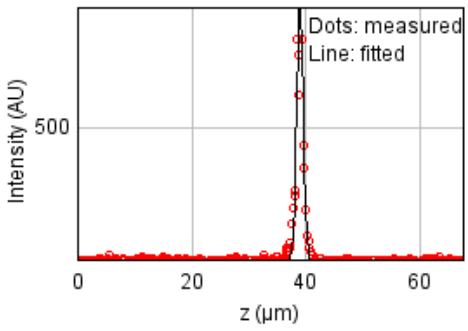




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

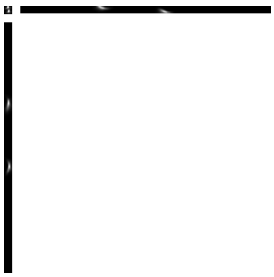
Parameters:
A = 778.812 (brightness)
B = 122.201 (background)
a = 0.574 px
b = 0.031 px
c = 0.617 px
xc = 6.084 px
yc = 6.307 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 193467.787
Standard deviation: 25.10355
R^2: 0.92877
Parameters:
a = 112.51805
b = 867.33342
c = 39.03731
d = 0.56632

Bead 1736



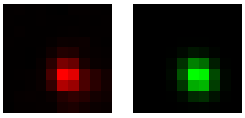
Date : Mon Oct 17 13:29:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

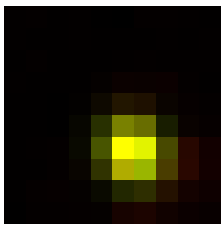
Coordinates : 30.7 um (x), -45.4 um (y), 38.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	466 nm	482 nm	223 nm
max	518 nm	536 nm	223 nm
z	1.46 um	1.47 um	885 nm
Asymmetry	0.9		
Theta	-52.7°		

XY profile & fitting parameters :

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

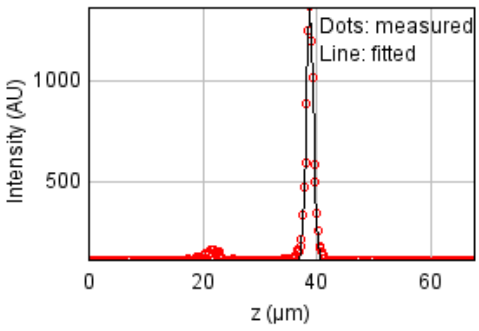




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1351.118 (brightness)
B = 127.832 (background)
a = 0.574 px
b = -0.056 px
c = 0.543 px
xc = 5.472 px
yc = 6.182 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 95621.0700
Standard deviation: 17.64849
R^2: 0.98768
Parameters:
a = 117.99854
b = 1377.42914
c = 38.84342
d = 0.61991

Bead 1737

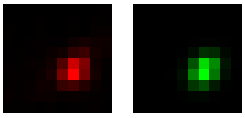
Date : Mon Oct 17 13:29:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

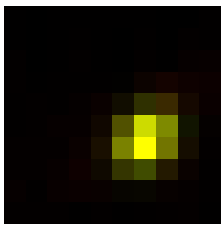
Coordinates : -154 um (x), -47.9 um (y), 39.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	407 nm	223 nm
max	496 nm	512 nm	223 nm
z	1.39 um	1.4 um	885 nm
Asymmetry	0.795		
Theta	48.9°		

XY profile & fitting parameters :

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

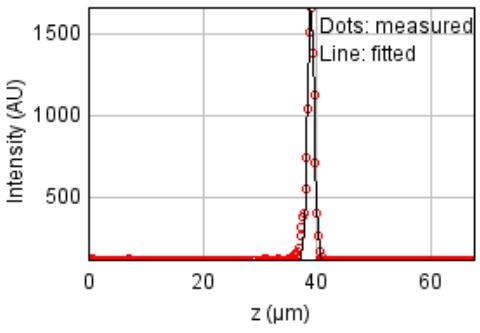




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1678.215 (brightness)
B = 130.014 (background)
a = 0.727 px
b = 0.158 px
c = 0.684 px
xc = 6.051 px
yc = 5.601 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 150142.987
Standard deviation: 22.11482
R^2: 0.98692
Parameters:
a = 112.03108
b = 1677.57779
c = 39.02123
d = 0.59187

Bead 1738

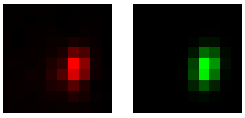
Date : Mon Oct 17 13:29:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

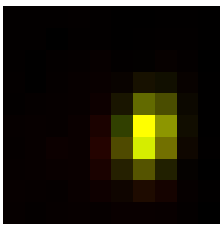
Coordinates : -103 um (x), -48.5 um (y), 38.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	369 nm	381 nm	223 nm
max	543 nm	561 nm	223 nm
z	1.06 um	1.06 um	885 nm
Asymmetry	0.68		
Theta	77.7°		

XY profile & fitting parameters :

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

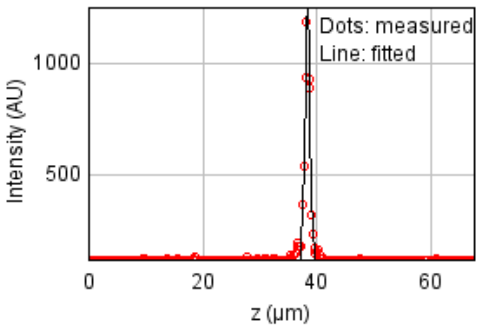




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 1229.579 (brightness)
B = 132.575 (background)
a = 0.962 px
b = 0.110 px
c = 0.480 px
xc = 6.179 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: 95665.5806
Standard deviation: 17.65260
R^2: 0.97972
Parameters:
a = 115.44925
b = 1257.74548
c = 38.43668
d = 0.45030

Bead 1739

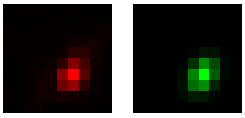
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

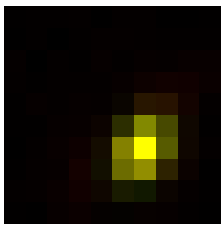
Coordinates : -150 um (x), -61.8 um (y), 38.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	372 nm	384 nm	223 nm
max	522 nm	539 nm	223 nm
z	1.3 um	1.3 um	885 nm
Asymmetry	0.713		
Theta	61.1°		

XY profile & fitting parameters :

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

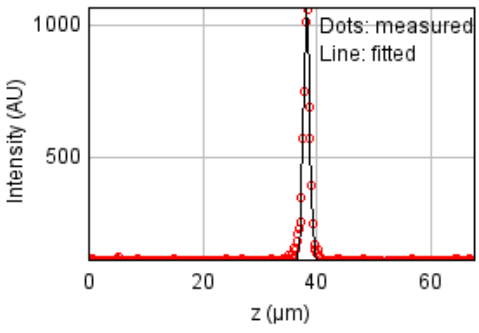




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 961.286 (brightness)
B = 122.486 (background)
a = 0.859 px
b = 0.202 px
c = 0.605 px
xc = 5.885 px
yc = 6.053 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56639.6046
Standard deviation: 13.58285
R^2: 0.98588
Parameters:
a = 111.43357
b = 1069.06231
c = 38.27688
d = 0.55123

Bead 1740

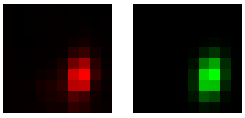
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

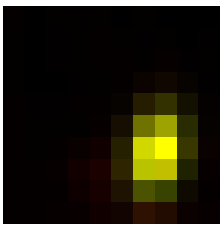
Coordinates : -81.7 um (x), -73.5 um (y), 38.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	407 nm	223 nm
max	616 nm	637 nm	223 nm
z	1.09 um	1.09 um	885 nm
Asymmetry	0.638		
Theta	79.1°		

XY profile & fitting parameters :

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

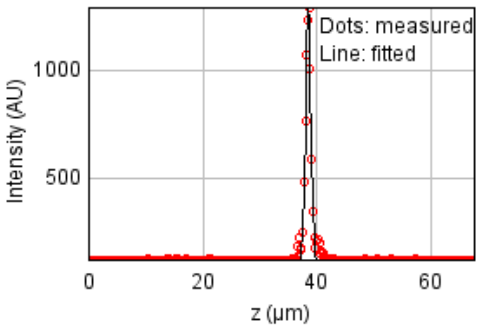




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

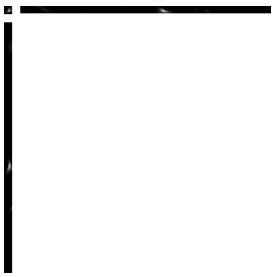
Parameters:
A = 1528.969 (brightness)
B = 134.581 (background)
a = 0.849 px
b = 0.095 px
c = 0.372 px
xc = 6.576 px
yc = 6.213 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 79991.9717
Standard deviation: 16.14188
R^2: 0.98452
Parameters:
a = 116.56317
b = 1301.63863
c = 38.56981
d = 0.46077

Bead 1741



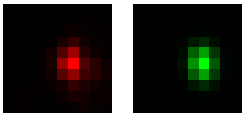
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

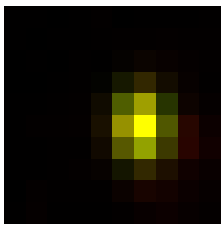
Coordinates : 32.7 um (x), -79.9 um (y), 38.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	417 nm	223 nm
max	537 nm	555 nm	223 nm
z	1.2 um	1.21 um	885 nm
Asymmetry	0.752		
Theta	-86.9°		

XY profile & fitting parameters :

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

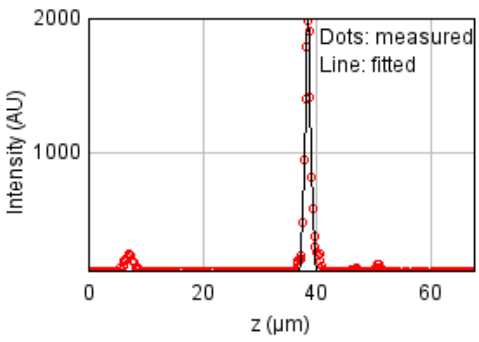




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 1839.268 (brightness)
B = 136.934 (background)
a = 0.824 px
b = -0.020 px
c = 0.467 px
xc = 5.844 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: 266098.220
Standard deviation: 29.44095
R^2: 0.98150
Parameters:
a = 124.51825
b = 2001.31300
c = 38.50789
d = 0.51101

Bead 1742

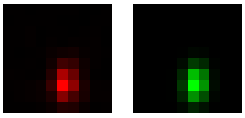
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

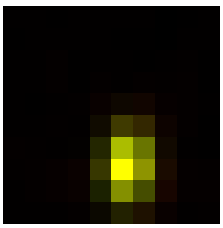
Coordinates : -19.3 um (x), 43.4 um (y), 39.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	358 nm	370 nm	223 nm
max	554 nm	572 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.647		
Theta	86.6°		

XY profile & fitting parameters :

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

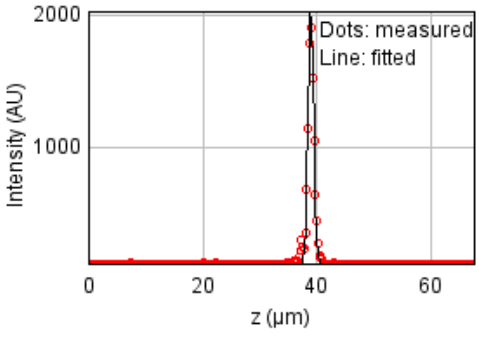




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.989

Parameters:
A = 2037.904 (brightness)
B = 127.915 (background)
a = 1.045 px
b = 0.036 px
c = 0.440 px
xc = 5.244 px
yc = 6.823 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 144976.816
Standard deviation: 21.73102
R^2: 0.99007
Parameters:
a = 117.52869
b = 2055.50834
c = 39.01914
d = 0.49039

Bead 1743

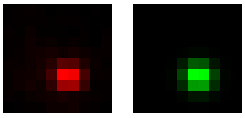
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

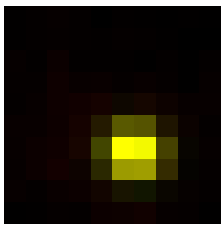
Coordinates : -156 um (x), 30.3 um (y), 38.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	428 nm	223 nm
max	453 nm	468 nm	223 nm
z	1.54 um	1.55 um	885 nm
Asymmetry	0.914		
Theta	-11.9°		

XY profile & fitting parameters :

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

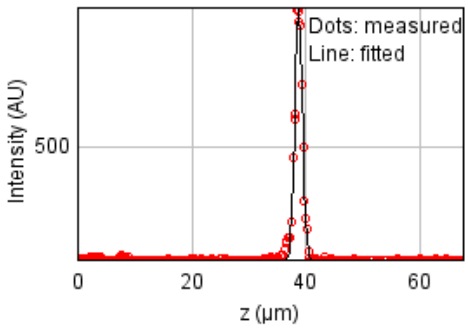




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1004.881 (brightness)
B = 126.165 (background)
a = 0.660 px
b = -0.026 px
c = 0.779 px
xc = 5.487 px
yc = 6.192 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 69105.2971
Standard deviation: 15.00329
R^2: 0.98255
Parameters:
a = 112.78362
b = 986.15363
c = 38.80545
d = 0.65568

Bead 1744

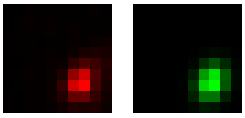
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

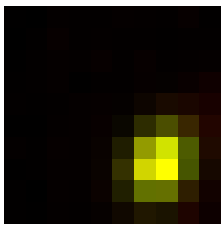
Coordinates : 112 um (x), 29.1 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	441 nm	456 nm	223 nm
max	558 nm	577 nm	223 nm
z	917 nm	920 nm	885 nm
Asymmetry	0.79		
Theta	65.7°		

XY profile & fitting parameters :

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

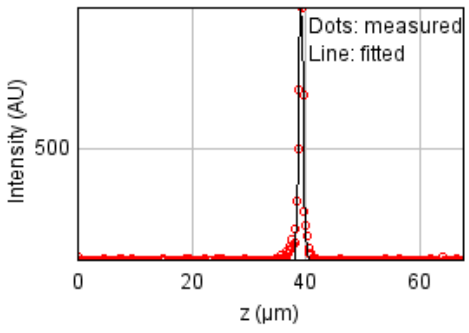




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 942.280 (brightness)
B = 118.991 (background)
a = 0.645 px
b = 0.097 px
c = 0.474 px
xc = 6.689 px
yc = 6.691 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66623.3959
Standard deviation: 14.73141
R^2: 0.97317
Parameters:
a = 113.38656
b = 1000.24372
c = 39.22767
d = 0.38922

Bead 1745

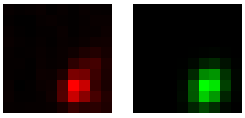
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

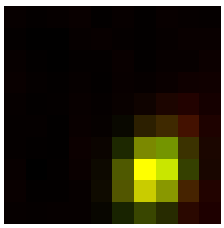
Coordinates : 85.9 um (x), 25.5 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	462 nm	478 nm	223 nm
max	594 nm	614 nm	223 nm
z	1.87 um	1.87 um	885 nm
Asymmetry	0.779		
Theta	65.0°		

XY profile & fitting parameters :

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

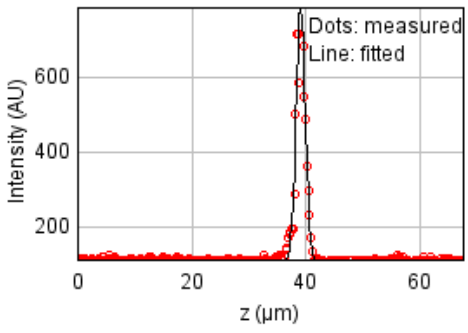




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

Parameters:
A = 719.900 (brightness)
B = 122.207 (background)
a = 0.583 px
b = 0.095 px
c = 0.425 px
xc = 6.384 px
yc = 7.149 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 83881.7525
Standard deviation: 16.52968
R^2: 0.97050
Parameters:
a = 113.77038
b = 785.17895
c = 39.16527
d = 0.79279

Bead 1746

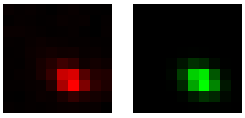
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

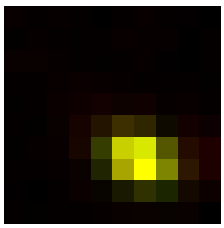
Coordinates : 161 um (x), 14.4 um (y), 38.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	379 nm	392 nm	223 nm
max	530 nm	548 nm	223 nm
z	1.55 um	1.56 um	885 nm
Asymmetry	0.715		
Theta	-23.3°		

XY profile & fitting parameters :

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

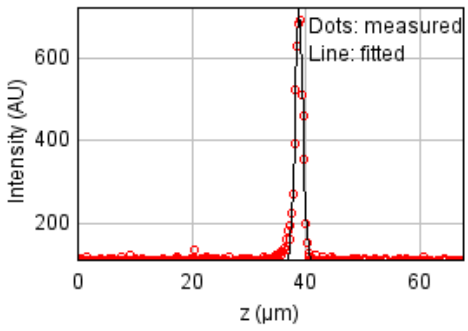




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 885.882 (brightness)
B = 120.207 (background)
a = 0.548 px
b = -0.165 px
c = 0.861 px
xc = 5.753 px
yc = 6.510 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30324.1249
Standard deviation: 9.93859
R^2: 0.98458
Parameters:
a = 111.34534
b = 726.05086
c = 38.86434
d = 0.65873

Bead 1747

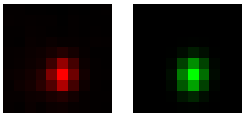
Date : Mon Oct 17 13:29:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

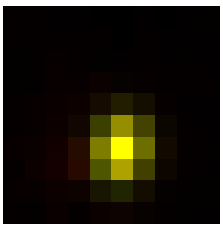
Coordinates : -119 um (x), 10.1 um (y), 39.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	427 nm	223 nm
max	509 nm	527 nm	223 nm
z	1.32 um	1.32 um	885 nm
Asymmetry	0.81		
Theta	81.3°		

XY profile & fitting parameters :

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

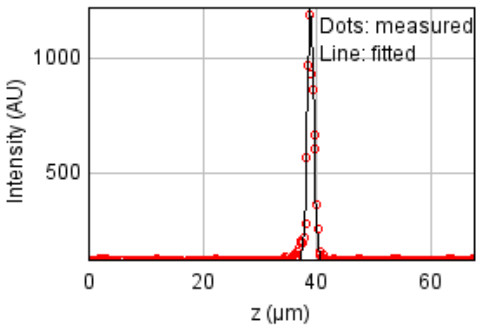




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1277.124 (brightness)
B = 127.664 (background)
a = 0.782 px
b = 0.041 px
c = 0.523 px
xc = 4.955 px
yc = 6.068 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 184000.333
Standard deviation: 24.48162
R^2: 0.96722
Parameters:
a = 112.81493
b = 1226.94745
c = 38.96105
d = 0.55931

Bead 1748

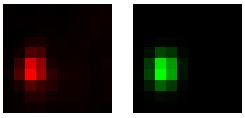
Date : Mon Oct 17 13:29:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

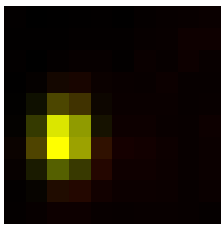
Coordinates : 2.04 um (x), 4.49 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	401 nm	223 nm
max	498 nm	515 nm	223 nm
z	1.24 um	1.25 um	885 nm
Asymmetry	0.779		
Theta	84.6°		

XY profile & fitting parameters :

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

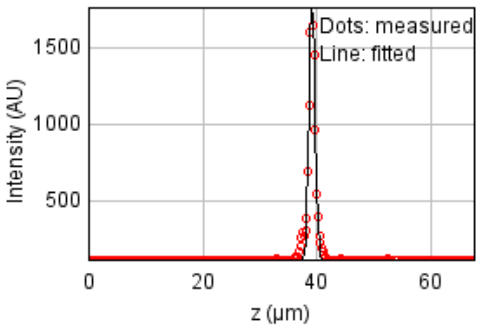




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

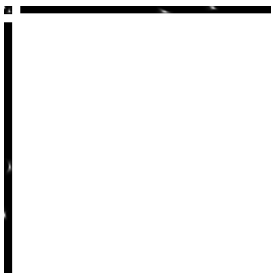
Parameters:
A = 1806.978 (brightness)
B = 159.669 (background)
a = 0.888 px
b = 0.033 px
c = 0.544 px
xc = 2.258 px
yc = 5.583 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 143219.523
Standard deviation: 21.59891
R^2: 0.98764
Parameters:
a = 116.37546
b = 1778.55375
c = 39.22775
d = 0.52863

Bead 1749



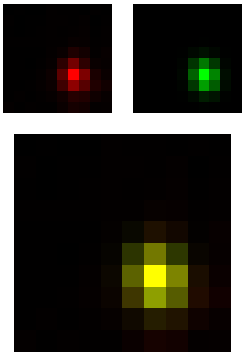
Date : Mon Oct 17 13:29:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 1.34 um (x), -10.4 um (y), 38.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	416 nm	223 nm
max	474 nm	490 nm	223 nm
z	1.25 um	1.25 um	885 nm
Asymmetry	0.85		
Theta	-74.3°		

XY profile & fitting parameters :

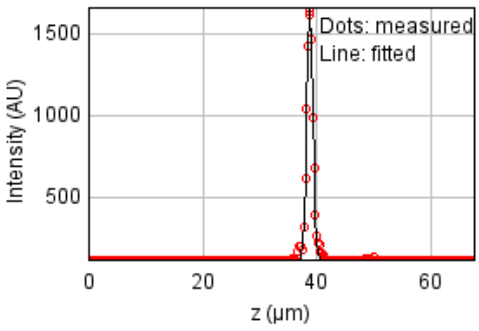
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1475.014 (brightness)
B = 124.743 (background)
a = 0.811 px
b = -0.060 px
c = 0.615 px
xc = 6.099 px
yc = 6.125 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 67266.9945
Standard deviation: 14.80239
R^2: 0.99353
Parameters:
a = 114.39662
b = 1691.82115
c = 38.84008
d = 0.53013

Bead 1750

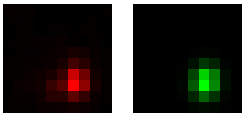
Date : Mon Oct 17 13:29:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

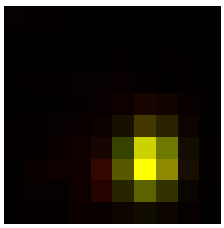
Coordinates : -104 um (x), -11.4 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	411 nm	223 nm
max	485 nm	501 nm	223 nm
z	1.32 um	1.32 um	885 nm
Asymmetry	0.82		
Theta	82.4°		

XY profile & fitting parameters :

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

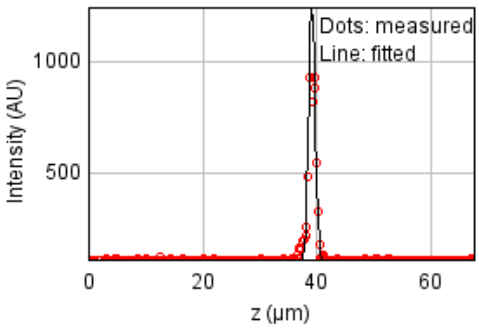




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 1316.761 (brightness)
B = 129.360 (background)
a = 0.845 px
b = 0.037 px
c = 0.576 px
xc = 6.147 px
yc = 6.662 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 305668.881
Standard deviation: 31.55415
R^2: 0.94815
Parameters:
a = 113.68436
b = 1244.83265
c = 39.20180
d = 0.55852

Bead 1751

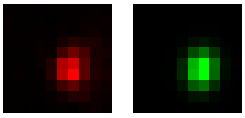
Date : Mon Oct 17 13:29:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

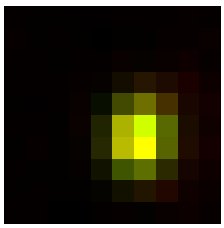
Coordinates : 87.5 um (x), -13.5 um (y), 39.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	463 nm	478 nm	223 nm
max	569 nm	589 nm	223 nm
z	1.35 um	1.36 um	885 nm
Asymmetry	0.812		
Theta	83.0°		

XY profile & fitting parameters :

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

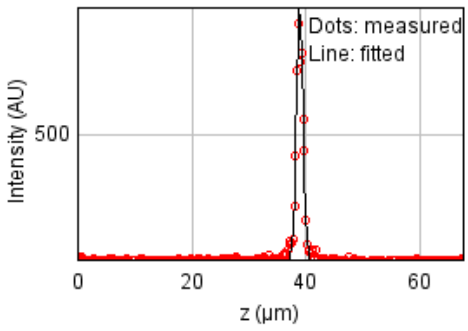




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

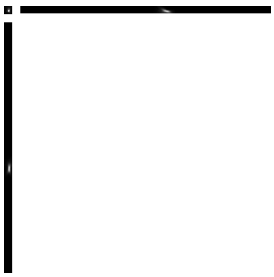
Parameters:
A = 1067.835 (brightness)
B = 122.013 (background)
a = 0.624 px
b = 0.026 px
c = 0.417 px
xc = 5.769 px
yc = 5.512 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 55014.9808
Standard deviation: 13.38663
R^2: 0.98024
Parameters:
a = 113.51121
b = 894.07866
c = 38.98928
d = 0.57328

Bead 1752



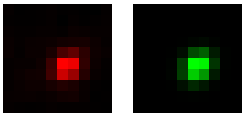
Date : Mon Oct 17 13:29:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

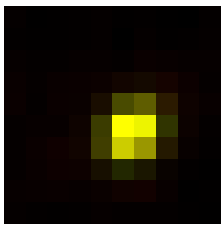
Coordinates : -152 um (x), -24.9 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	407 nm	223 nm
max	471 nm	487 nm	223 nm
z	1.39 um	1.39 um	885 nm
Asymmetry	0.836		
Theta	48.2°		

XY profile & fitting parameters :

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

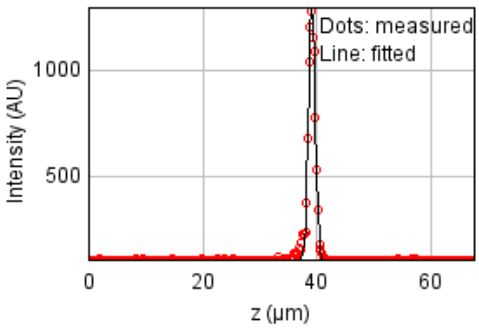




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

Parameters:
A = 1410.804 (brightness)
B = 129.184 (background)
a = 0.751 px
b = 0.130 px
c = 0.722 px
xc = 5.422 px
yc = 5.270 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 65472.7388
Standard deviation: 14.60364
R^2: 0.98994
Parameters:
a = 112.57234
b = 1296.45268
c = 39.19532
d = 0.58869

Bead 1753

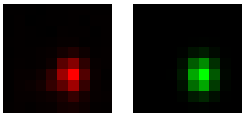
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

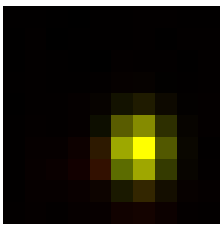
Coordinates : -61.2 um (x), -43.6 um (y), 38.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	439 nm	223 nm
max	508 nm	526 nm	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.834		
Theta	-88.3°		

XY profile & fitting parameters :

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

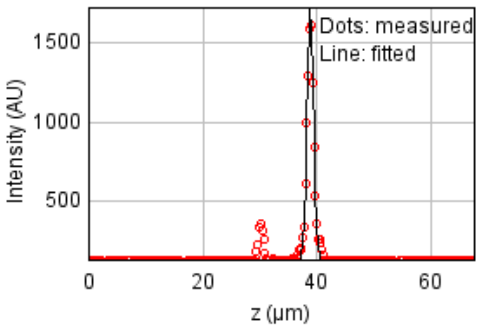




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1631.279 (brightness)
B = 128.986 (background)
a = 0.745 px
b = -0.007 px
c = 0.519 px
xc = 5.783 px
yc = 6.086 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 310133.879
Standard deviation: 31.78377
R^2: 0.97348
Parameters:
a = 120.23573
b = 1727.88379
c = 38.91948
d = 0.56332

Bead 1754 (Rejected)

Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 116 um (x), -43.1 um (y), 57.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

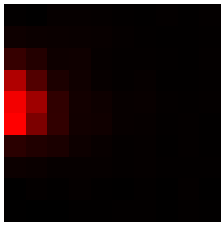
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.45 um	1.45 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

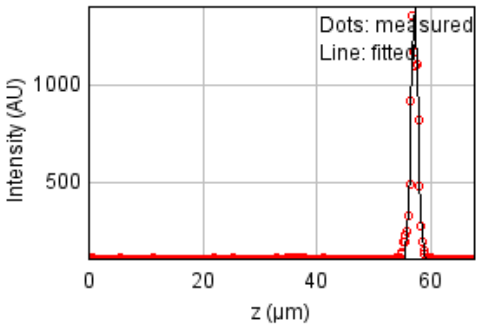
XY profile & fitting parameters :

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

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

Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 317309.495
Standard deviation: 32.14936
R^2: 0.96192
Parameters:
a = 111.74102
b = 1404.78252
c = 57.18196
d = 0.61481

Bead 1755

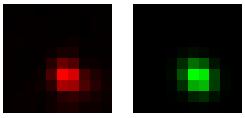
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

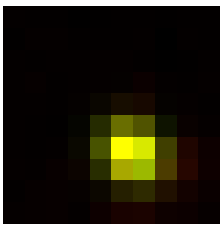
Coordinates : 17.9 um (x), -46.9 um (y), 39.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	433 nm	448 nm	223 nm
max	506 nm	523 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.856		
Theta	-41.0°		

XY profile & fitting parameters :

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

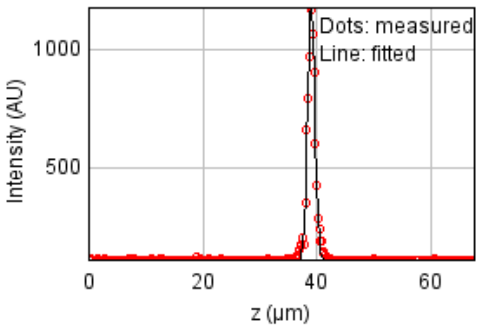




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

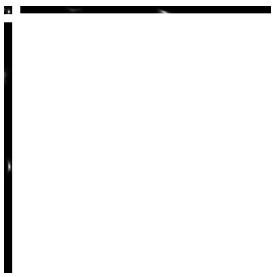
Parameters:
A = 1142.573 (brightness)
B = 124.901 (background)
a = 0.606 px
b = -0.095 px
c = 0.633 px
xc = 5.460 px
yc = 6.238 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50278.3397
Standard deviation: 12.79739
R^2: 0.99112
Parameters:
a = 114.81968
b = 1185.34806
c = 39.08456
d = 0.62846

Bead 1756



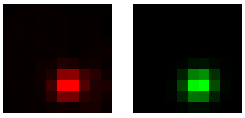
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

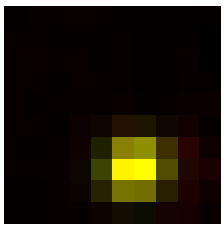
Coordinates : 107 um (x), -48.8 um (y), 38.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	432 nm	447 nm	223 nm
max	470 nm	486 nm	223 nm
z	1.29 um	1.29 um	885 nm
Asymmetry	0.92		
Theta	21.9°		

XY profile & fitting parameters :

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

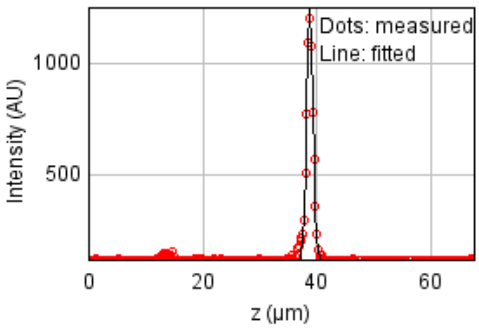




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1271.482 (brightness)
B = 123.163 (background)
a = 0.624 px
b = 0.038 px
c = 0.704 px
xc = 5.542 px
yc = 6.928 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53935.3539
Standard deviation: 13.25463
R^2: 0.99073
Parameters:
a = 114.71864
b = 1274.68352
c = 38.83627
d = 0.54733

Bead 1757

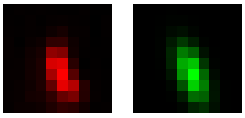
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

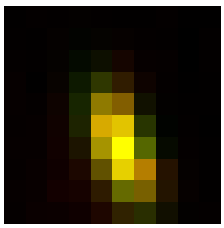
Coordinates : -68.2 um (x), -59.2 um (y), 38.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	410 nm	424 nm	223 nm
max	908 nm	938 nm	223 nm
z	1.02 um	1.03 um	885 nm
Asymmetry	0.452		
Theta	-70.3°		

XY profile & fitting parameters :

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

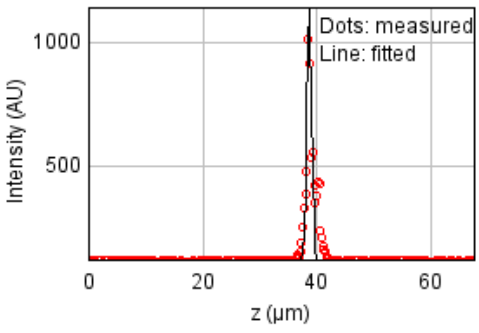




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 1458.831 (brightness)
B = 127.979 (background)
a = 0.725 px
b = -0.202 px
c = 0.235 px
xc = 4.860 px
yc = 5.943 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 635923.410
Standard deviation: 45.51276
R^2: 0.84998
Parameters:
a = 119.40901
b = 1145.36803
c = 38.74535
d = 0.43475

Bead 1758

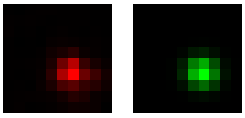
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

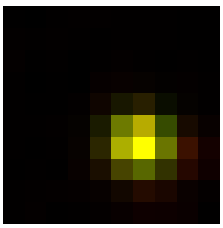
Coordinates : 26.1 um (x), -60.0 um (y), 39.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	451 nm	466 nm	223 nm
max	484 nm	500 nm	223 nm
z	1.32 um	1.32 um	885 nm
Asymmetry	0.932		
Theta	-15.1°		

XY profile & fitting parameters :

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

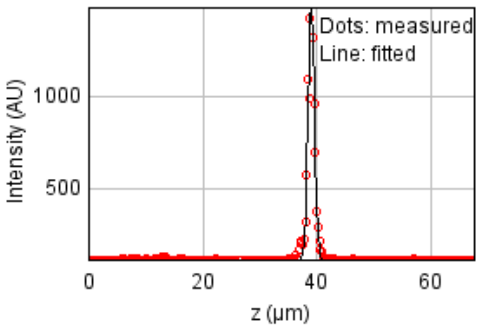




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 1510.368 (brightness)
B = 128.051 (background)
a = 0.579 px
b = -0.022 px
c = 0.654 px
xc = 5.820 px
yc = 5.802 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 163447.712
Standard deviation: 23.07386
R^2: 0.98064
Parameters:
a = 116.51065
b = 1490.90025
c = 39.08918
d = 0.56035

Bead 1759

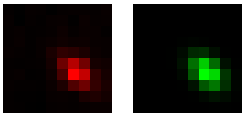
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

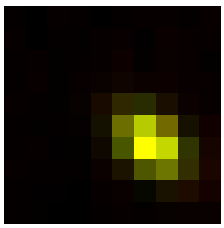
Coordinates : 141 um (x), -71.7 um (y), 38.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	401 nm	223 nm
max	579 nm	599 nm	223 nm
z	1.4 um	1.41 um	885 nm
Asymmetry	0.67		
Theta	-43.3°		

XY profile & fitting parameters :

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

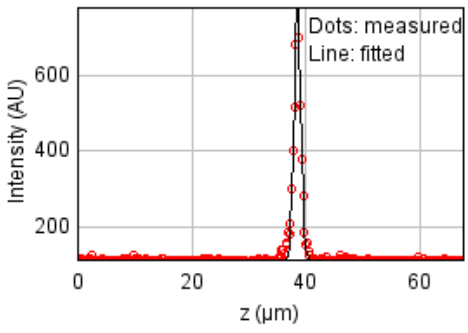




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 718.791 (brightness)
B = 119.236 (background)
a = 0.631 px
b = -0.245 px
c = 0.660 px
xc = 6.280 px
yc = 5.775 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26316.6879
Standard deviation: 9.25862
R^2: 0.98782
Parameters:
a = 110.90370
b = 788.60422
c = 38.60187
d = 0.59543

Bead 1760

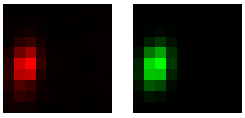
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

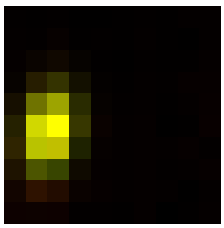
Coordinates : -81.7 um (x), -73.5 um (y), 38.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	407 nm	223 nm
max	620 nm	641 nm	223 nm
z	1.09 um	1.09 um	885 nm
Asymmetry	0.634		
Theta	79.3°		

XY profile & fitting parameters :

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

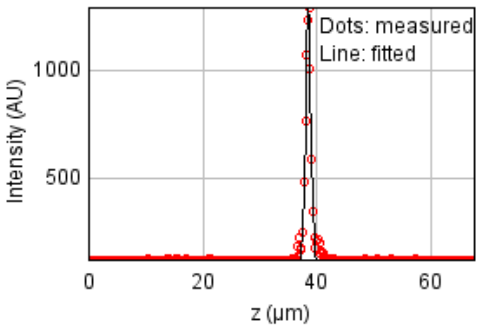




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

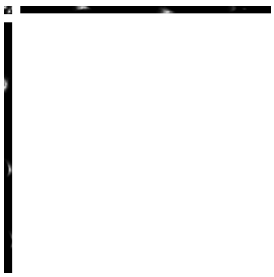
Parameters:
A = 1530.645 (brightness)
B = 131.400 (background)
a = 0.850 px
b = 0.094 px
c = 0.367 px
xc = 1.577 px
yc = 5.213 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 79991.9717
Standard deviation: 16.14188
R^2: 0.98452
Parameters:
a = 116.56317
b = 1301.63863
c = 38.56981
d = 0.46077

Bead 1761 (Rejected)



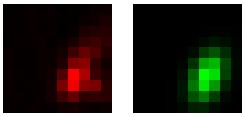
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

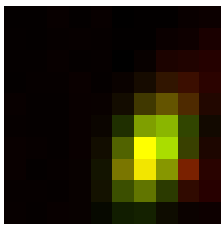
Coordinates : 52.4 um (x), 92.8 um (y), 39.6 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	471 nm	486 nm	223 nm
max	766 nm	792 nm	223 nm
z	1.64 um	1.65 um	885 nm
Asymmetry	0.614		
Theta	66.4°		

XY profile & fitting parameters :

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

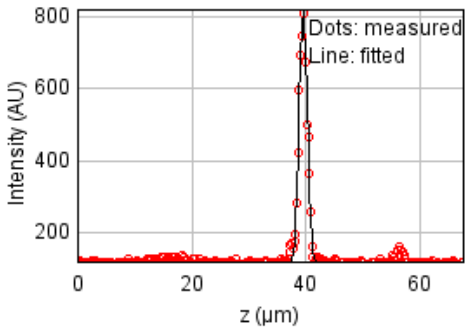




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.892

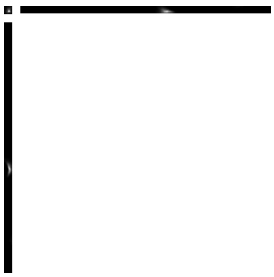
Parameters:
A = 658.309 (brightness)
B = 128.842 (background)
a = 0.546 px
b = 0.138 px
c = 0.289 px
xc = 6.326 px
yc = 6.164 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 47434.3591
Standard deviation: 12.43018
R^2: 0.98268
Parameters:
a = 116.43379
b = 821.18843
c = 39.61245
d = 0.69795

Bead 1762



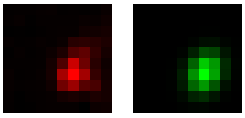
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

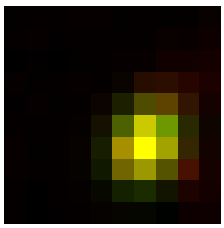
Coordinates : 94.6 um (x), 67.4 um (y), 39.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	495 nm	512 nm	223 nm
max	630 nm	651 nm	223 nm
z	1.6 um	1.6 um	885 nm
Asymmetry	0.786		
Theta	64.8°		

XY profile & fitting parameters :

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

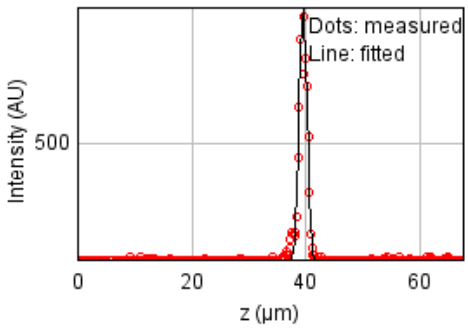




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.940

Parameters:
A = 790.159 (brightness)
B = 124.501 (background)
a = 0.510 px
b = 0.080 px
c = 0.376 px
xc = 6.092 px
yc = 5.793 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 97280.0943
Standard deviation: 17.80093
R^2: 0.97404
Parameters:
a = 114.39009
b = 946.58806
c = 39.59077
d = 0.67812

Bead 1763

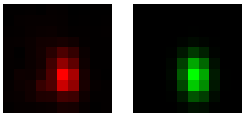
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

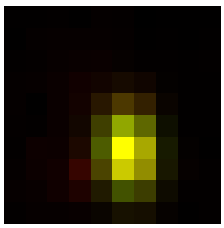
Coordinates : -71.0 um (x), 63.3 um (y), 39.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	430 nm	444 nm	223 nm
max	638 nm	659 nm	223 nm
z	1.14 um	1.14 um	885 nm
Asymmetry	0.674		
Theta	-85.5°		

XY profile & fitting parameters :

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

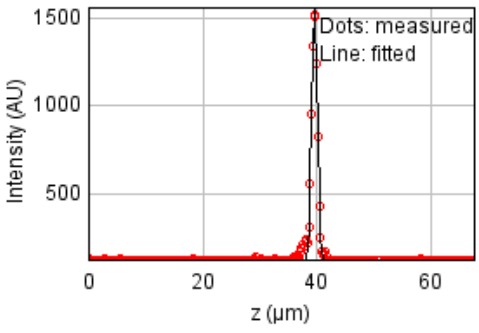




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

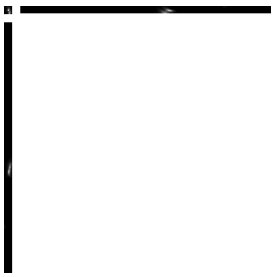
Parameters:
A = 1392.133 (brightness)
B = 135.608 (background)
a = 0.724 px
b = -0.031 px
c = 0.332 px
xc = 5.217 px
yc = 6.165 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 78268.7598
Standard deviation: 15.96706
R^2: 0.99048
Parameters:
a = 116.13064
b = 1580.70967
c = 39.67444
d = 0.48353

Bead 1764



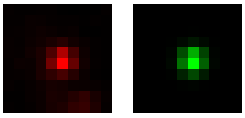
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

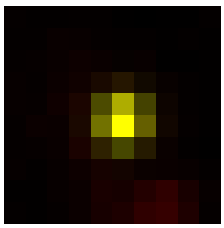
Coordinates : -145 um (x), 50.7 um (y), 40.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	402 nm	416 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.96		
Theta	78.4°		

XY profile & fitting parameters :

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

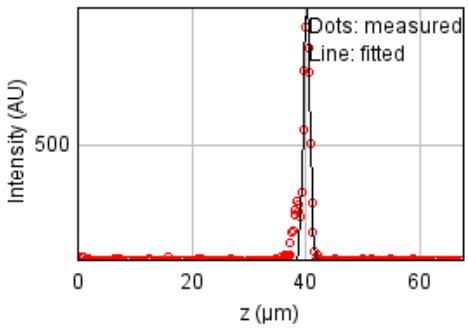




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.922

Parameters:
A = 944.338 (brightness)
B = 140.722 (background)
a = 0.898 px
b = 0.014 px
c = 0.833 px
xc = 4.954 px
yc = 4.736 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 182740.886
Standard deviation: 24.39769
R^2: 0.94590
Parameters:
a = 114.02652
b = 961.82694
c = 40.22303
d = 0.56864

Bead 1765

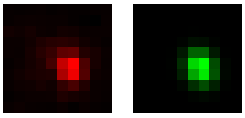
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

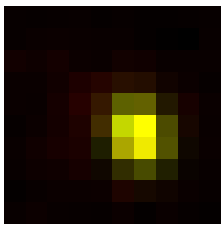
Coordinates : -162 um (x), 43.3 um (y), 38.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	429 nm	443 nm	223 nm
max	522 nm	540 nm	223 nm
z	1.42 um	1.42 um	885 nm
Asymmetry	0.821		
Theta	-67.6°		

XY profile & fitting parameters :

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

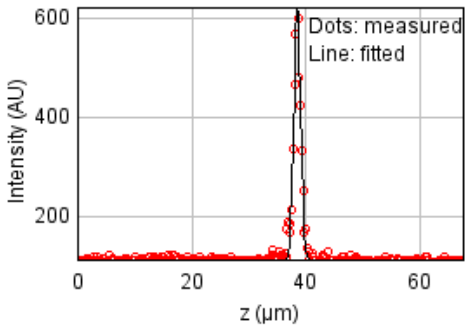




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 644.436 (brightness)
B = 125.908 (background)
a = 0.696 px
b = -0.084 px
c = 0.527 px
xc = 5.669 px
yc = 5.365 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34449.9041
Standard deviation: 10.59314
R^2: 0.97306
Parameters:
a = 111.92366
b = 626.77290
c = 38.57547
d = 0.60168

Bead 1766

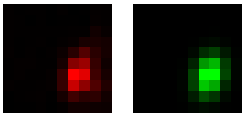
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

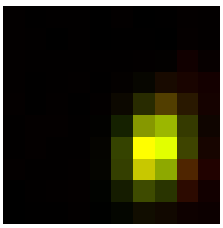
Coordinates : 32.2 um (x), 38.9 um (y), 39.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	441 nm	456 nm	223 nm
max	620 nm	641 nm	223 nm
z	1.55 um	1.55 um	885 nm
Asymmetry	0.711		
Theta	74.2°		

XY profile & fitting parameters :

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

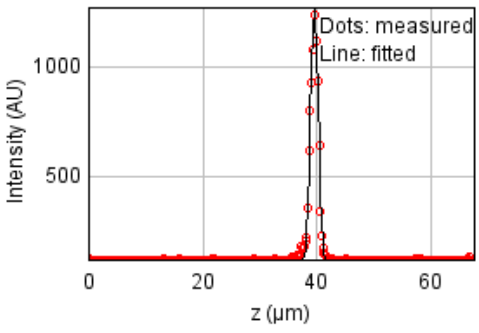




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 1276.116 (brightness)
B = 124.673 (background)
a = 0.665 px
b = 0.089 px
c = 0.374 px
xc = 6.496 px
yc = 6.064 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66931.4483
Standard deviation: 14.76542
R^2: 0.99038
Parameters:
a = 113.65382
b = 1274.79664
c = 39.65064
d = 0.65690

Bead 1767

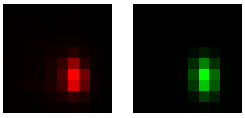
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

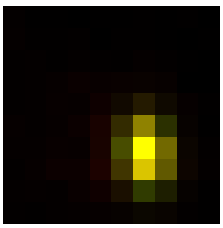
Coordinates : -129 um (x), 21.5 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	357 nm	369 nm	223 nm
max	536 nm	554 nm	223 nm
z	1.47 um	1.47 um	885 nm
Asymmetry	0.666		
Theta	-85.0°		

XY profile & fitting parameters :

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

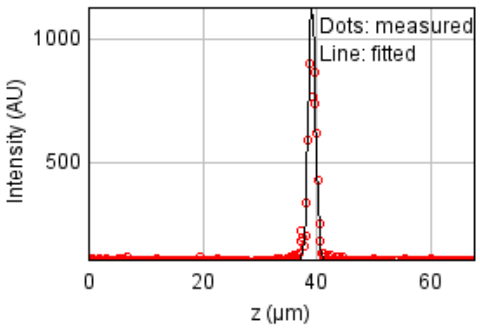




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1288.733 (brightness)
B = 129.302 (background)
a = 1.049 px
b = -0.051 px
c = 0.471 px
xc = 6.084 px
yc = 6.232 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 246514.295
Standard deviation: 28.33687
R^2: 0.95312
Parameters:
a = 111.84474
b = 1127.55482
c = 39.20284
d = 0.62334

Bead 1768

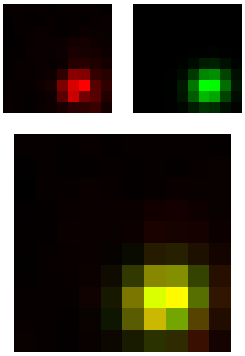
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 72.3 um (x), 6.13 um (y), 39.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	517 nm	535 nm	223 nm
max	591 nm	611 nm	223 nm
z	1.07 um	1.08 um	885 nm
Asymmetry	0.874		
Theta	21.8°		

XY profile & fitting parameters :

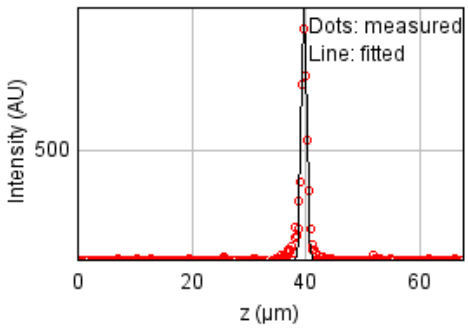
(red : the orignal data, green : the fit, yellow : the two merged)



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

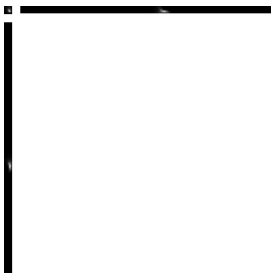
Parameters:
A = 817.478 (brightness)
B = 120.263 (background)
a = 0.400 px
b = 0.041 px
c = 0.486 px
xc = 6.459 px
yc = 7.122 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 156638.915
Standard deviation: 22.58815
R^2: 0.94853
Parameters:
a = 116.27224
b = 1013.22962
c = 39.73299
d = 0.45619

Bead 1769



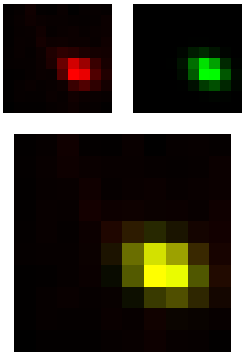
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 138 um (x), -33.6 um (y), 38.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	546 nm	564 nm	223 nm
z	1.48 um	1.48 um	885 nm
Asymmetry	0.716		
Theta	-24.7°		

XY profile & fitting parameters :

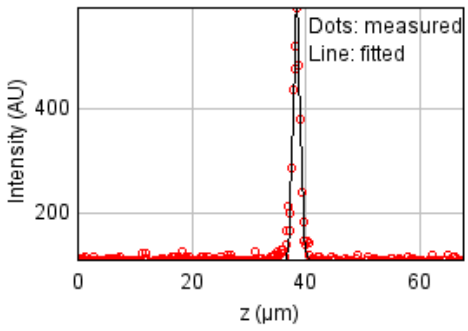
(red : the orignal data, green : the fit, yellow : the two merged)



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

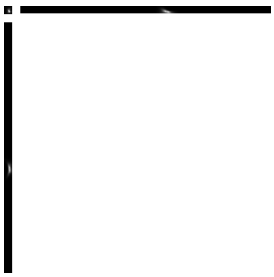
Parameters:
A = 683.363 (brightness)
B = 117.626 (background)
a = 0.525 px
b = -0.163 px
c = 0.804 px
xc = 6.381 px
yc = 5.655 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32993.0406
Standard deviation: 10.36673
R^2: 0.97170
Parameters:
a = 111.14818
b = 592.30097
c = 38.47720
d = 0.62792

Bead 1770



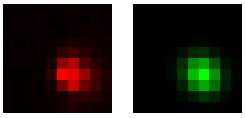
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

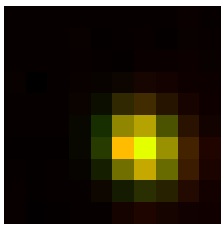
Coordinates : 85.8 um (x), -42.9 um (y), 39.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	523 nm	540 nm	223 nm
max	594 nm	614 nm	223 nm
z	1.49 um	1.49 um	885 nm
Asymmetry	0.88		
Theta	-45.7°		

XY profile & fitting parameters :

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

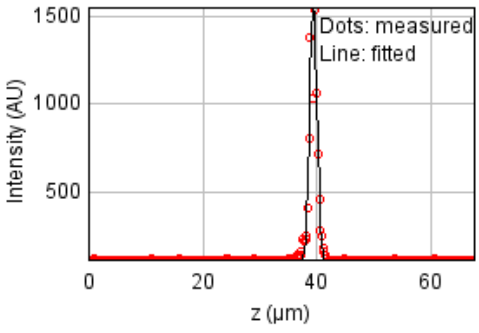




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.944

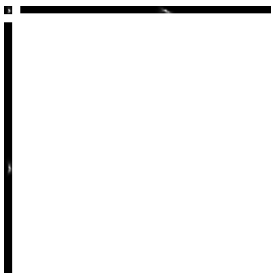
Parameters:
A = 1085.099 (brightness)
B = 121.403 (background)
a = 0.437 px
b = -0.055 px
c = 0.434 px
xc = 5.851 px
yc = 5.999 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 497023.050
Standard deviation: 40.23640
R^2: 0.95392
Parameters:
a = 113.75129
b = 1559.24066
c = 39.46276
d = 0.63217

Bead 1771



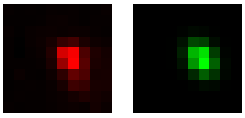
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

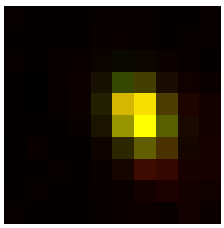
Coordinates : 109 um (x), -66.3 um (y), 39.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	409 nm	223 nm
max	531 nm	549 nm	223 nm
z	1.01 um	1.02 um	885 nm
Asymmetry	0.745		
Theta	-59.9°		

XY profile & fitting parameters :

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

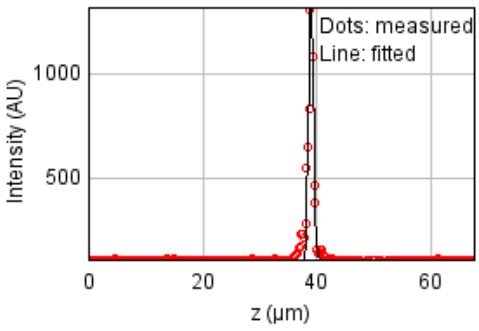




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 1391.224 (brightness)
B = 131.198 (background)
a = 0.762 px
b = -0.166 px
c = 0.572 px
xc = 5.757 px
yc = 4.546 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 222929.164
Standard deviation: 26.94724
R^2: 0.95847
Parameters:
a = 114.70715
b = 1347.97508
c = 39.04865
d = 0.42950

Bead 1772

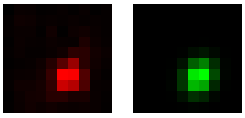
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

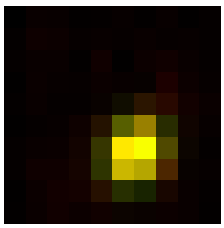
Coordinates : -145 um (x), -69.3 um (y), 38.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	428 nm	442 nm	223 nm
max	515 nm	532 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.831		
Theta	60.2°		

XY profile & fitting parameters :

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

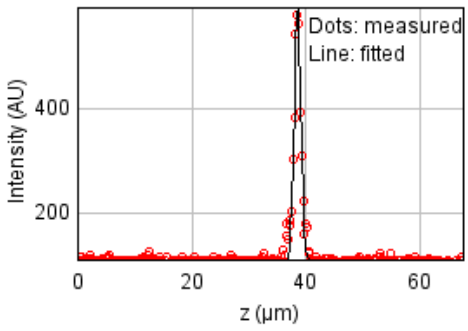




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 594.222 (brightness)
B = 119.890 (background)
a = 0.678 px
b = 0.098 px
c = 0.563 px
xc = 5.543 px
yc = 6.194 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30422.8279
Standard deviation: 9.95476
R^2: 0.97240
Parameters:
a = 111.76116
b = 596.03435
c = 38.62383
d = 0.58531

Bead 1773

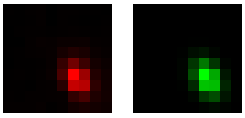
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

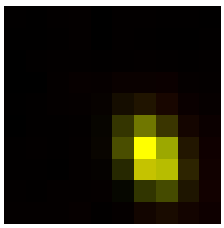
Coordinates : 90.1 um (x), -71.4 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	565 nm	584 nm	223 nm
z	1.16 um	1.17 um	885 nm
Asymmetry	0.682		
Theta	-63.4°		

XY profile & fitting parameters :

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

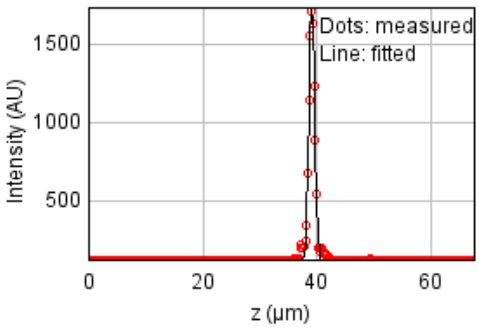




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1723.858 (brightness)
B = 128.948 (background)
a = 0.808 px
b = -0.193 px
c = 0.518 px
xc = 6.326 px
yc = 6.361 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 71975.8235
Standard deviation: 15.31173
R^2: 0.99306
Parameters:
a = 113.92947
b = 1744.68851
c = 39.20137
d = 0.49368

Bead 1774

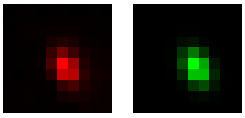
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

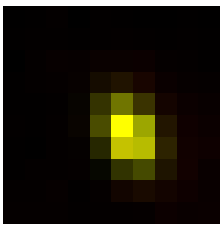
Coordinates : 90.1 um (x), -71.4 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	394 nm	223 nm
max	559 nm	578 nm	223 nm
z	1.16 um	1.17 um	885 nm
Asymmetry	0.682		
Theta	-63.5°		

XY profile & fitting parameters :

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

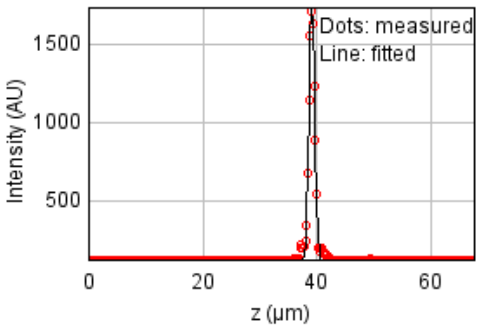




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1726.225 (brightness)
B = 136.048 (background)
a = 0.823 px
b = -0.197 px
c = 0.528 px
xc = 5.325 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: 71975.8235
Standard deviation: 15.31173
R^2: 0.99306
Parameters:
a = 113.92947
b = 1744.68851
c = 39.20137
d = 0.49368

Bead 1775

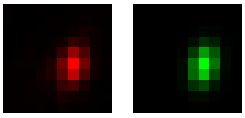
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

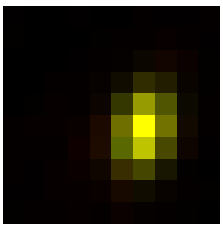
Coordinates : -107 um (x), -81.9 um (y), 38.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	412 nm	223 nm
max	610 nm	630 nm	223 nm
z	1.13 um	1.13 um	885 nm
Asymmetry	0.653		
Theta	77.8°		

XY profile & fitting parameters :

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

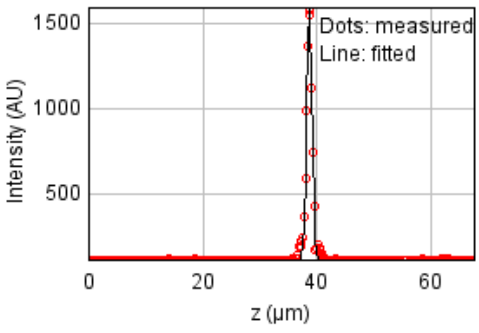




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

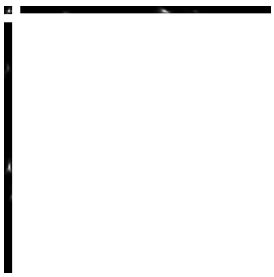
Parameters:
A = 1395.671 (brightness)
B = 129.280 (background)
a = 0.823 px
b = 0.100 px
c = 0.383 px
xc = 5.990 px
yc = 5.154 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 75045.6871
Standard deviation: 15.63485
R^2: 0.99098
Parameters:
a = 115.19991
b = 1595.66552
c = 38.76323
d = 0.47868

Bead 1776



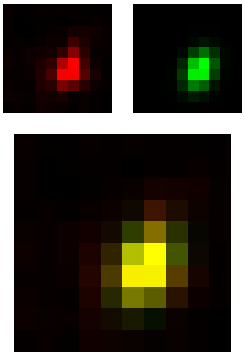
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -129 um (x), -88.1 um (y), 39.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	434 nm	223 nm
max	589 nm	609 nm	223 nm
z	1.53 um	1.53 um	885 nm
Asymmetry	0.712		
Theta	65.6°		

XY profile & fitting parameters :

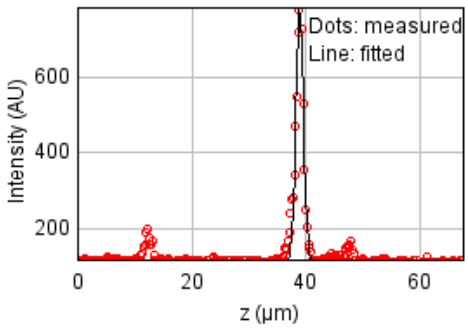
(red : the orignal data, green : the fit, yellow : the two merged)



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

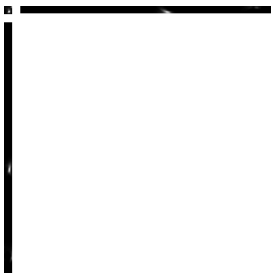
Parameters:
A = 823.032 (brightness)
B = 124.446 (background)
a = 0.697 px
b = 0.141 px
c = 0.450 px
xc = 5.598 px
yc = 5.563 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 98442.3867
Standard deviation: 17.90696
R^2: 0.95786
Parameters:
a = 117.48649
b = 783.19800
c = 38.98610
d = 0.64867

Bead 1777



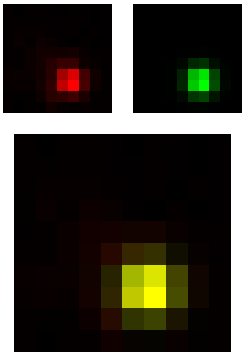
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -151 um (x), 60.6 um (y), 39.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	429 nm	443 nm	223 nm
max	432 nm	447 nm	223 nm
z	1.41 um	1.41 um	885 nm
Asymmetry	0.992		
Theta	-36.3°		

XY profile & fitting parameters :

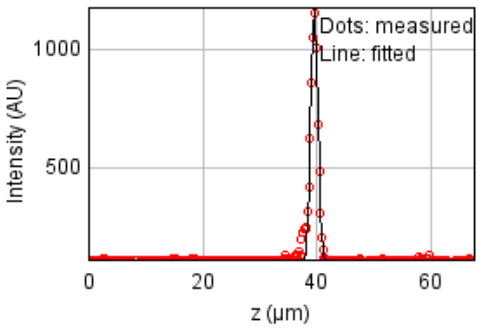
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1260.964 (brightness)
B = 126.325 (background)
a = 0.722 px
b = -0.006 px
c = 0.725 px
xc = 5.664 px
yc = 6.573 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 77113.5973
Standard deviation: 15.84880
R^2: 0.98552
Parameters:
a = 114.11812
b = 1174.89037
c = 39.63825
d = 0.59768

Bead 1778

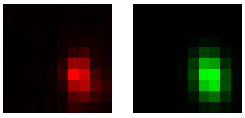
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

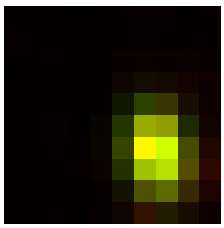
Coordinates : 17.9 um (x), 54.7 um (y), 39.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	460 nm	475 nm	223 nm
max	673 nm	696 nm	223 nm
z	1.14 um	1.15 um	885 nm
Asymmetry	0.683		
Theta	-79.4°		

XY profile & fitting parameters :

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

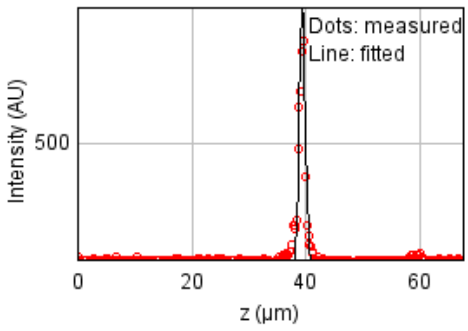




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 863.460 (brightness)
B = 120.288 (background)
a = 0.624 px
b = -0.061 px
c = 0.308 px
xc = 6.544 px
yc = 6.204 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 183188.481
Standard deviation: 24.42755
R^2: 0.93602
Parameters:
a = 116.08074
b = 954.16692
c = 39.45732
d = 0.48593

Bead 1779

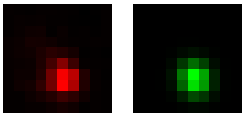
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

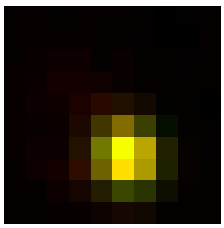
Coordinates : -132 um (x), 42.8 um (y), 39.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	470 nm	486 nm	223 nm
max	522 nm	539 nm	223 nm
z	1.39 um	1.39 um	885 nm
Asymmetry	0.902		
Theta	-71.7°		

XY profile & fitting parameters :

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

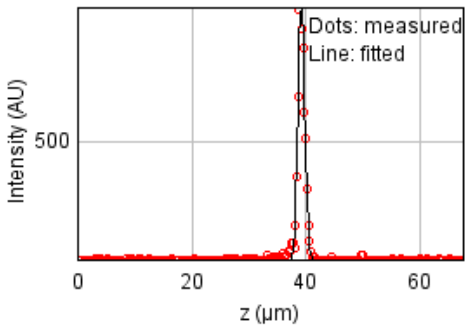




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 886.060 (brightness)
B = 125.878 (background)
a = 0.595 px
b = -0.034 px
c = 0.504 px
xc = 5.152 px
yc = 6.374 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 137958.120
Standard deviation: 21.19847
R^2: 0.95902
Parameters:
a = 112.73823
b = 950.67792
c = 39.28270
d = 0.58882

Bead 1780

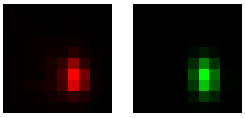
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

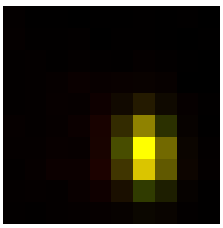
Coordinates : -129 um (x), 21.5 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	357 nm	369 nm	223 nm
max	536 nm	554 nm	223 nm
z	1.47 um	1.47 um	885 nm
Asymmetry	0.666		
Theta	-85.0°		

XY profile & fitting parameters :

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

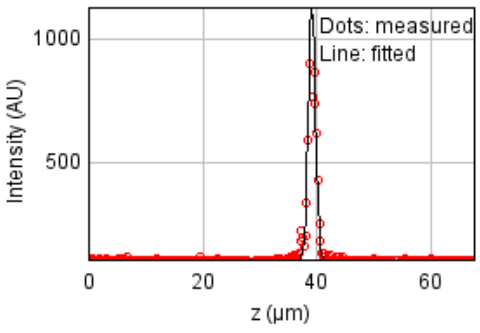




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

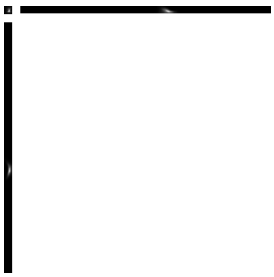
Parameters:
A = 1288.733 (brightness)
B = 129.302 (background)
a = 1.049 px
b = -0.051 px
c = 0.471 px
xc = 6.084 px
yc = 6.232 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 246514.295
Standard deviation: 28.33687
R^2: 0.95312
Parameters:
a = 111.84474
b = 1127.55482
c = 39.20284
d = 0.62334

Bead 1781



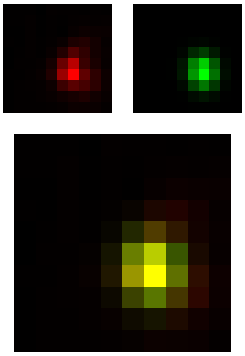
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 42.9 um (x), 17.0 um (y), 39.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	443 nm	458 nm	223 nm
max	519 nm	537 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.853		
Theta	-82.3°		

XY profile & fitting parameters :

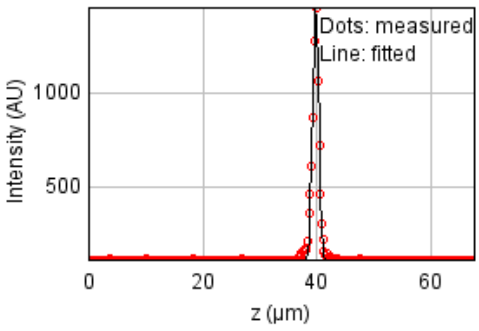
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1347.685 (brightness)
B = 133.699 (background)
a = 0.680 px
b = -0.025 px
c = 0.501 px
xc = 5.881 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: 89543.0043
Standard deviation: 17.07838
R^2: 0.98799
Parameters:
a = 115.37960
b = 1457.10340
c = 39.86334
d = 0.52227

Bead 1782

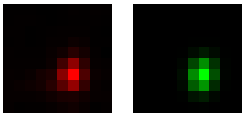
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

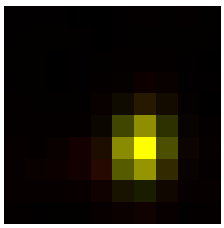
Coordinates : -50.9 um (x), 10.6 um (y), 39.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	491 nm	508 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.786		
Theta	80.3°		

XY profile & fitting parameters :

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

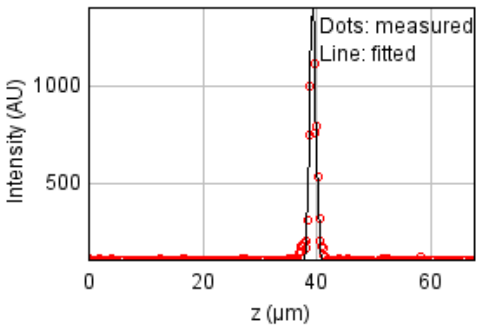




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1414.045 (brightness)
B = 127.301 (background)
a = 0.891 px
b = 0.057 px
c = 0.566 px
xc = 5.840 px
yc = 6.037 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 220927.777
Standard deviation: 26.82600
R^2: 0.96830
Parameters:
a = 115.51922
b = 1394.55424
c = 39.35923
d = 0.52653

Bead 1783

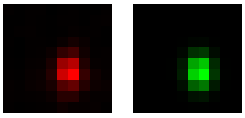
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

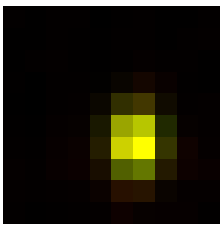
Coordinates : -16.8 um (x), -16.7 um (y), 39.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	403 nm	223 nm
max	513 nm	531 nm	223 nm
z	1.22 um	1.23 um	885 nm
Asymmetry	0.758		
Theta	-88.6°		

XY profile & fitting parameters :

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

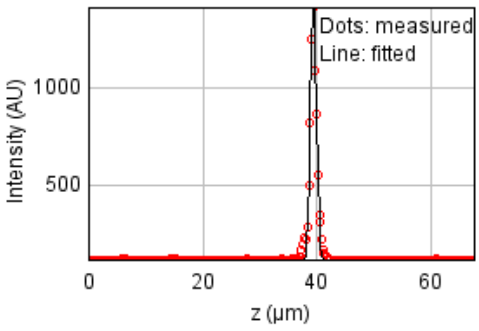




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1513.339 (brightness)
B = 127.878 (background)
a = 0.885 px
b = -0.009 px
c = 0.509 px
xc = 5.611 px
yc = 5.742 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 93860.8960
Standard deviation: 17.48530
R^2: 0.98713
Parameters:
a = 114.78210
b = 1443.92597
c = 39.48837
d = 0.52015

Bead 1784

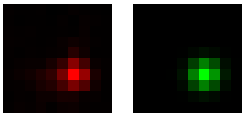
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

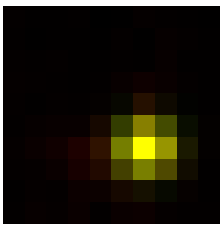
Coordinates : -94.6 um (x), -75.0 um (y), 39.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	438 nm	452 nm	223 nm
max	464 nm	479 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.944		
Theta	8.2°		

XY profile & fitting parameters :

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

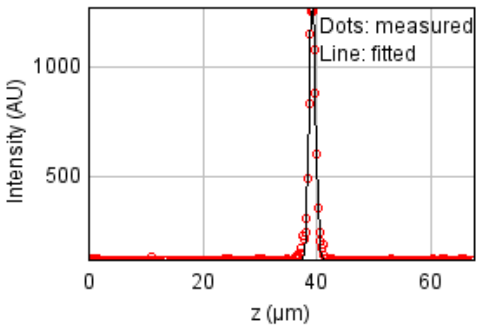




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1107.526 (brightness)
B = 126.909 (background)
a = 0.626 px
b = 0.011 px
c = 0.699 px
xc = 6.066 px
yc = 6.000 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53687.5337
Standard deviation: 13.22414
R^2: 0.99121
Parameters:
a = 114.47497
b = 1283.54059
c = 39.28483
d = 0.56634

Bead 1785

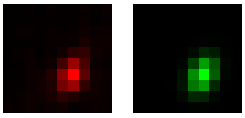
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

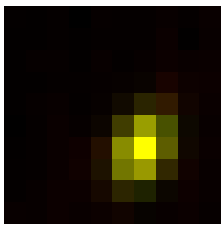
Coordinates : -131 um (x), -75.5 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	565 nm	584 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.689		
Theta	66.0°		

XY profile & fitting parameters :

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

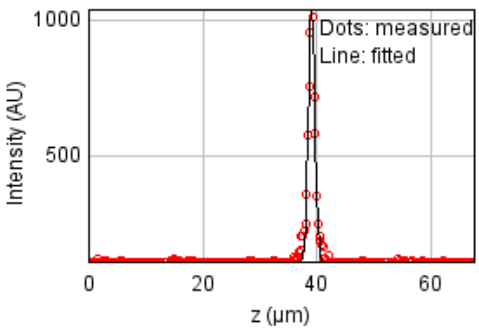




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

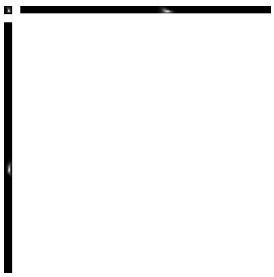
Parameters:
A = 955.100 (brightness)
B = 123.137 (background)
a = 0.809 px
b = 0.173 px
c = 0.498 px
xc = 5.866 px
yc = 6.032 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 60470.2641
Standard deviation: 14.03466
R^2: 0.98432
Parameters:
a = 113.10748
b = 1039.87468
c = 39.15773
d = 0.56536

Bead 1786



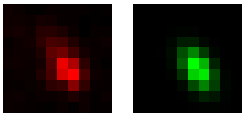
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

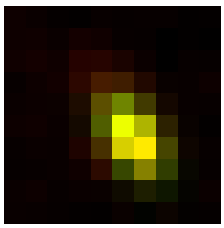
Coordinates : -133 um (x), 89.4 um (y), 39.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	418 nm	223 nm
max	683 nm	706 nm	223 nm
z	1.98 um	1.99 um	885 nm
Asymmetry	0.592		
Theta	-58.7°		

XY profile & fitting parameters :

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

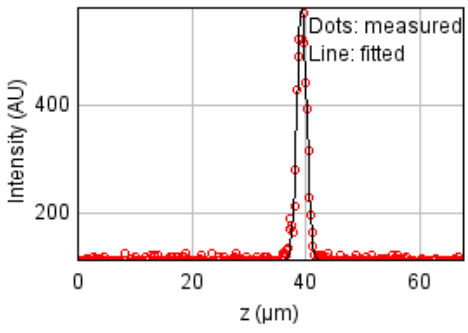




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

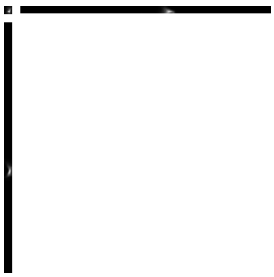
Parameters:
A = 655.563 (brightness)
B = 126.435 (background)
a = 0.676 px
b = -0.237 px
c = 0.432 px
xc = 5.408 px
yc = 5.482 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28026.0723
Standard deviation: 9.55459
R^2: 0.98094
Parameters:
a = 110.98064
b = 582.34984
c = 39.35924
d = 0.84290

Bead 1787



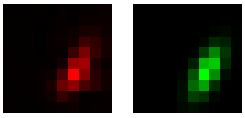
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

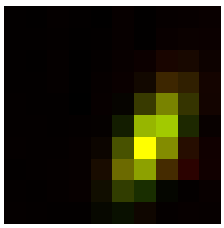
Coordinates : 10.2 um (x), 86.8 um (y), 40.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	356 nm	368 nm	223 nm
max	801 nm	828 nm	223 nm
z	1.42 um	1.42 um	885 nm
Asymmetry	0.444		
Theta	61.6°		

XY profile & fitting parameters :

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

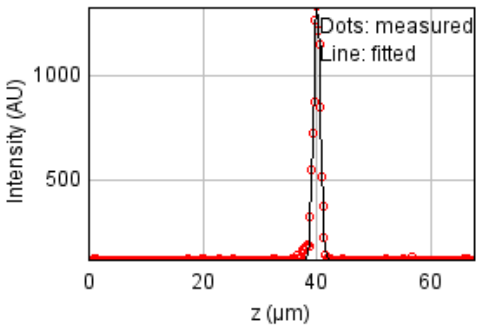




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

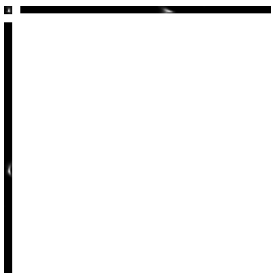
Parameters:
A = 1143.223 (brightness)
B = 125.635 (background)
a = 0.868 px
b = 0.356 px
c = 0.401 px
xc = 6.285 px
yc = 5.674 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 59502.3354
Standard deviation: 13.92188
R^2: 0.99147
Parameters:
a = 115.01506
b = 1329.42934
c = 40.08322
d = 0.60103

Bead 1788



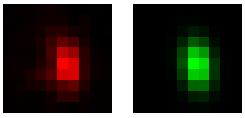
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

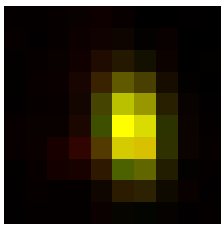
Coordinates : -79.1 um (x), 66.4 um (y), 39.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	451 nm	466 nm	223 nm
max	740 nm	765 nm	223 nm
z	1.66 um	1.67 um	885 nm
Asymmetry	0.609		
Theta	-83.0°		

XY profile & fitting parameters :

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

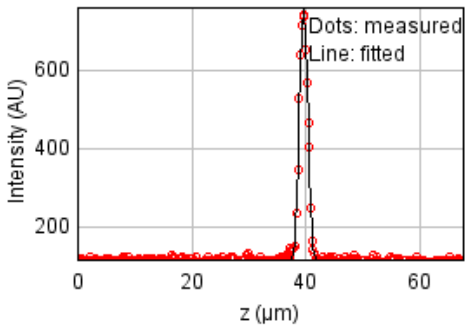




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

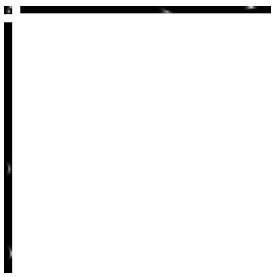
Parameters:
A = 798.667 (brightness)
B = 128.609 (background)
a = 0.654 px
b = -0.050 px
c = 0.251 px
xc = 5.392 px
yc = 5.123 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28339.6891
Standard deviation: 9.60790
R^2: 0.98793
Parameters:
a = 114.01268
b = 764.92624
c = 39.68419
d = 0.70588

Bead 1789



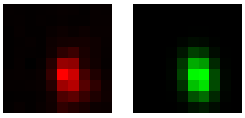
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

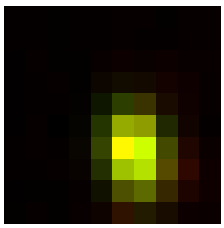
Coordinates : 17.9 um (x), 54.7 um (y), 39.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	457 nm	472 nm	223 nm
max	669 nm	692 nm	223 nm
z	1.14 um	1.15 um	885 nm
Asymmetry	0.683		
Theta	-79.4°		

XY profile & fitting parameters :

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

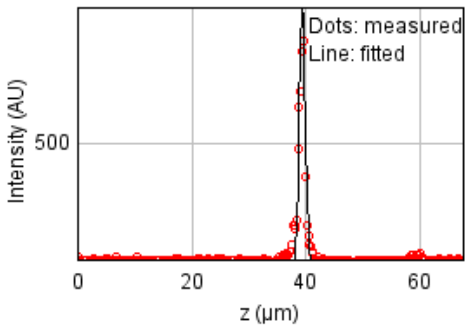




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

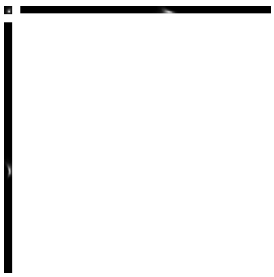
Parameters:
A = 864.043 (brightness)
B = 122.523 (background)
a = 0.631 px
b = -0.062 px
c = 0.312 px
xc = 5.543 px
yc = 6.203 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 183188.481
Standard deviation: 24.42755
R^2: 0.93602
Parameters:
a = 116.08074
b = 954.16692
c = 39.45732
d = 0.48593

Bead 1790



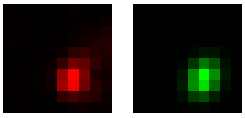
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

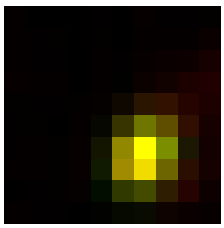
Coordinates : 105 um (x), 45.9 um (y), 39.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	453 nm	468 nm	223 nm
max	564 nm	583 nm	223 nm
z	1.46 um	1.47 um	885 nm
Asymmetry	0.803		
Theta	64.8°		

XY profile & fitting parameters :

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

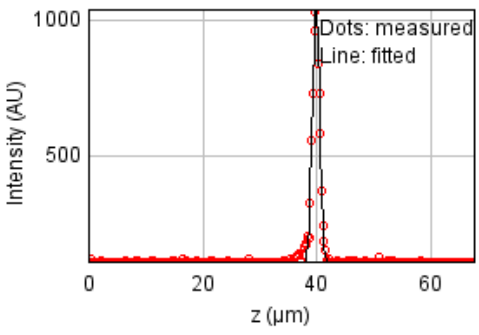




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 978.309 (brightness)
B = 124.226 (background)
a = 0.612 px
b = 0.089 px
c = 0.464 px
xc = 5.969 px
yc = 6.343 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 43954.0889
Standard deviation: 11.96549
R^2: 0.98984
Parameters:
a = 112.54610
b = 1054.04199
c = 39.92745
d = 0.61990

Bead 1791

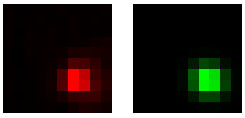
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

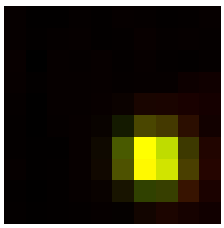
Coordinates : 79.9 um (x), 12.4 um (y), 40.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	462 nm	223 nm
max	478 nm	494 nm	223 nm
z	1.73 um	1.73 um	885 nm
Asymmetry	0.934		
Theta	-22.8°		

XY profile & fitting parameters :

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

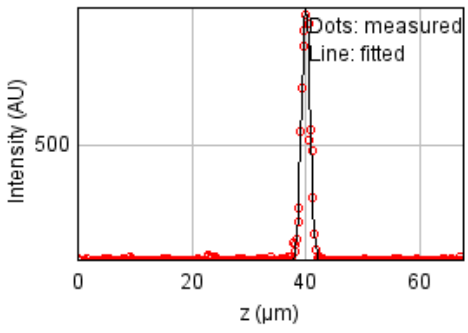




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 1001.595 (brightness)
B = 123.238 (background)
a = 0.600 px
b = -0.031 px
c = 0.660 px
xc = 6.400 px
yc = 6.497 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 85110.0989
Standard deviation: 16.65027
R^2: 0.97980
Parameters:
a = 113.42376
b = 965.93297
c = 40.06175
d = 0.73307

Bead 1792

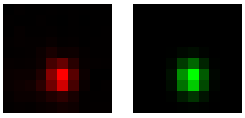
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

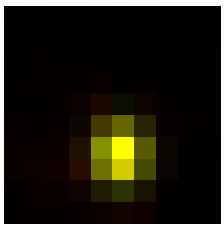
Coordinates : -105 um (x), -8.87 um (y), 39.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	484 nm	501 nm	223 nm
z	1.31 um	1.31 um	885 nm
Asymmetry	0.841		
Theta	-87.5°		

XY profile & fitting parameters :

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

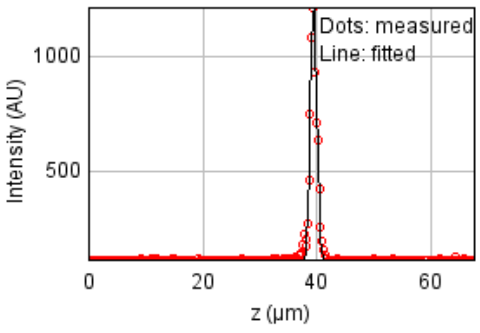




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1249.208 (brightness)
B = 125.520 (background)
a = 0.809 px
b = -0.010 px
c = 0.573 px
xc = 4.855 px
yc = 6.297 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 97779.3537
Standard deviation: 17.84655
R^2: 0.98227
Parameters:
a = 113.30871
b = 1230.75574
c = 39.50771
d = 0.55458

Bead 1793

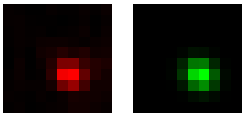
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

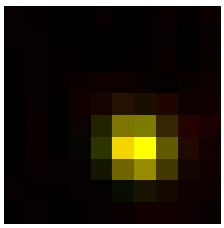
Coordinates : 133 um (x), -8.8 um (y), 39.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	432 nm	447 nm	223 nm
max	487 nm	504 nm	223 nm
z	1.47 um	1.47 um	885 nm
Asymmetry	0.886		
Theta	-34.1°		

XY profile & fitting parameters :

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

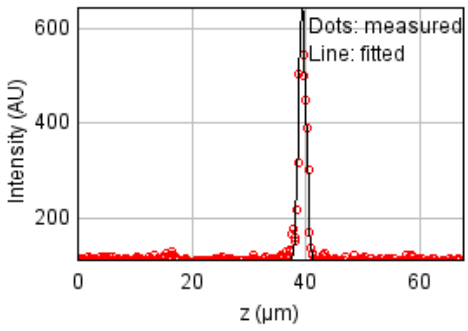




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 607.856 (brightness)
B = 118.783 (background)
a = 0.613 px
b = -0.072 px
c = 0.671 px
xc = 5.645 px
yc = 6.012 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 73377.1508
Standard deviation: 15.46006
R^2: 0.94997
Parameters:
a = 111.94733
b = 647.63455
c = 39.45451
d = 0.62296

Bead 1794

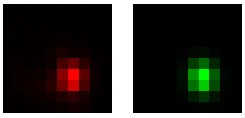
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

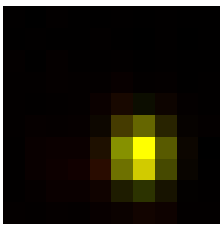
Coordinates : -105 um (x), -8.87 um (y), 39.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	484 nm	500 nm	223 nm
z	1.31 um	1.31 um	885 nm
Asymmetry	0.841		
Theta	-87.5°		

XY profile & fitting parameters :

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

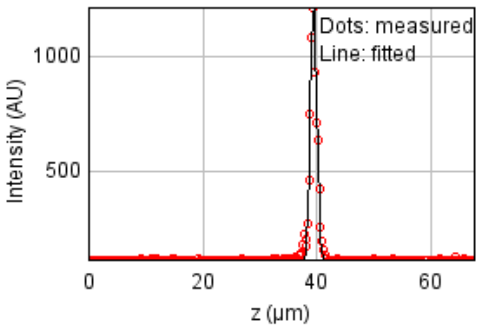




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1249.248 (brightness)
B = 125.855 (background)
a = 0.810 px
b = -0.010 px
c = 0.573 px
xc = 5.855 px
yc = 6.297 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 97779.3537
Standard deviation: 17.84655
R^2: 0.98227
Parameters:
a = 113.30871
b = 1230.75574
c = 39.50771
d = 0.55458

Bead 1795

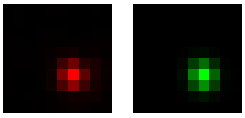
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

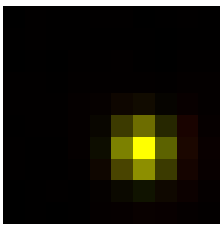
Coordinates : 114 um (x), -34.3 um (y), 40.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	434 nm	449 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.925		
Theta	-76.3°		

XY profile & fitting parameters :

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

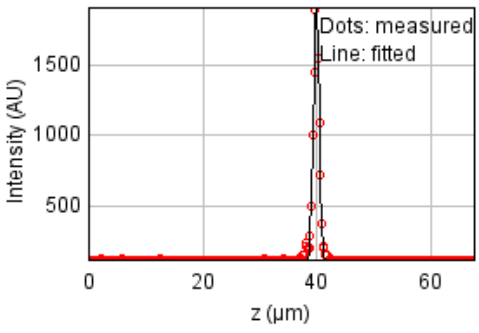




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

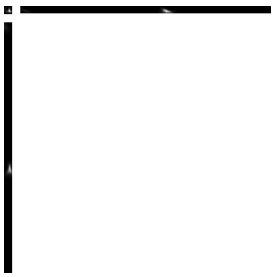
Parameters:
A = 1796.854 (brightness)
B = 128.259 (background)
a = 0.824 px
b = -0.027 px
c = 0.718 px
xc = 5.918 px
yc = 6.092 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 68745.6846
Standard deviation: 14.96420
R^2: 0.99448
Parameters:
a = 113.58539
b = 1925.79225
c = 39.96160
d = 0.48057

Bead 1796



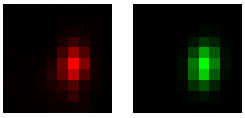
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

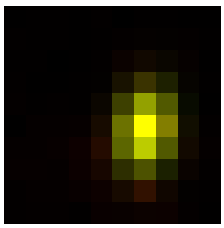
Coordinates : -47.1 um (x), -84.1 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	432 nm	223 nm
max	632 nm	653 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.662		
Theta	82.2°		

XY profile & fitting parameters :

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

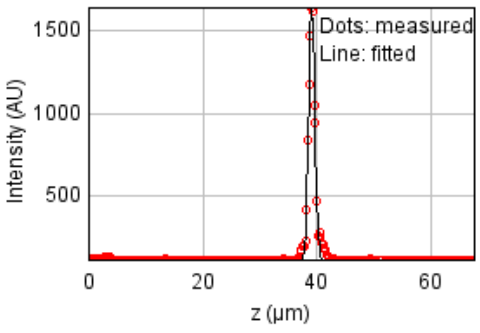




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1454.419 (brightness)
B = 129.120 (background)
a = 0.760 px
b = 0.058 px
c = 0.344 px
xc = 6.020 px
yc = 5.168 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 148006.263
Standard deviation: 21.95689
R^2: 0.98494
Parameters:
a = 115.31122
b = 1640.51546
c = 39.17346
d = 0.53109

Bead 1797

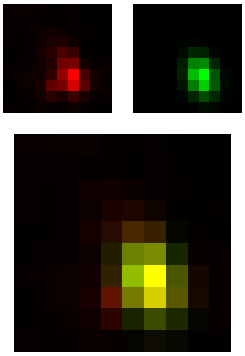
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -120 um (x), 95.2 um (y), 39.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	442 nm	223 nm
max	604 nm	625 nm	223 nm
z	1.46 um	1.47 um	885 nm
Asymmetry	0.707		
Theta	-71.2°		

XY profile & fitting parameters :

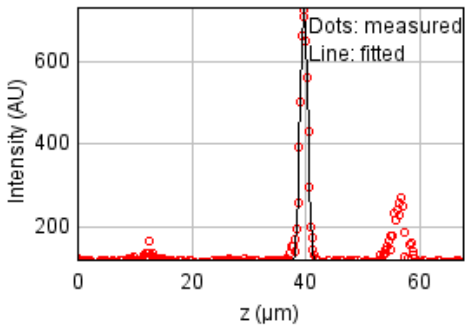
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 579.865 (brightness)
B = 126.720 (background)
a = 0.697 px
b = -0.112 px
c = 0.406 px
xc = 5.749 px
yc = 6.180 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 180634.232
Standard deviation: 24.25665
R^2: 0.91022
Parameters:
a = 119.98791
b = 735.61863
c = 39.73653
d = 0.61983

Bead 1798 (Rejected)

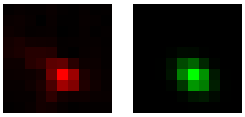
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

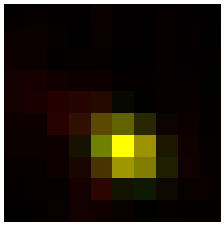
Coordinates : -143 um (x), 90.2 um (y), 24.6 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	528 nm	546 nm	223 nm
z	1.51 um	1.52 um	885 nm
Asymmetry	0.74		
Theta	-36.4°		

XY profile & fitting parameters :

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

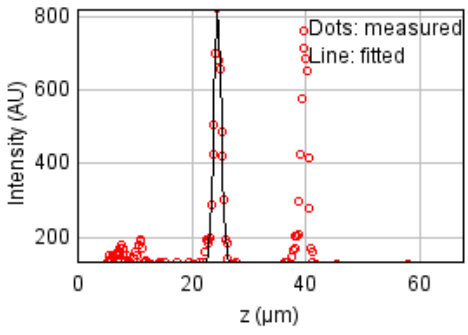




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.942

Parameters:
A = 710.806 (brightness)
B = 125.023 (background)
a = 0.621 px
b = -0.190 px
c = 0.738 px
xc = 5.099 px
yc = 6.166 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1936625.81
Standard deviation: 79.42435
R^2: 0.54983
Parameters:
a = 132.56157
b = 819.79116
c = 24.60175
d = 0.64329

Bead 1799

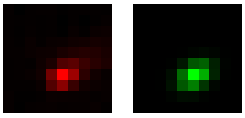
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

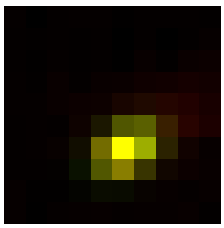
Coordinates : 157 um (x), 75.2 um (y), 39.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	359 nm	371 nm	223 nm
max	530 nm	548 nm	223 nm
z	1.41 um	1.41 um	885 nm
Asymmetry	0.677		
Theta	30.5°		

XY profile & fitting parameters :

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

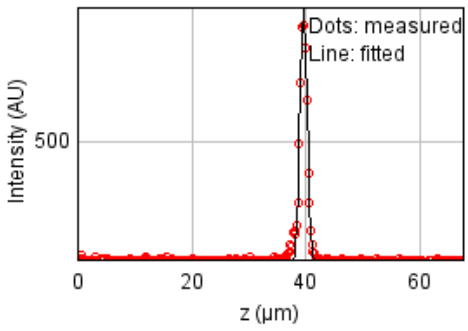




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

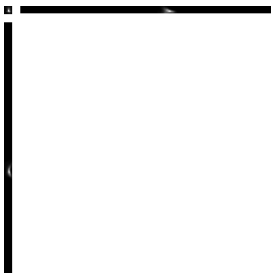
Parameters:
A = 767.078 (brightness)
B = 120.296 (background)
a = 0.623 px
b = 0.246 px
c = 0.896 px
xc = 5.165 px
yc = 6.060 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 42909.8321
Standard deviation: 11.82250
R^2: 0.98719
Parameters:
a = 110.25371
b = 952.41418
c = 39.67265
d = 0.59756

Bead 1800



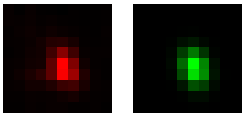
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

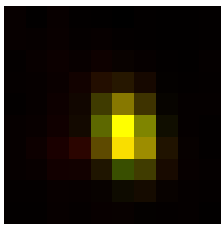
Coordinates : -78.5 um (x), 68.6 um (y), 40.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	422 nm	223 nm
max	563 nm	582 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.725		
Theta	-74.5°		

XY profile & fitting parameters :

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

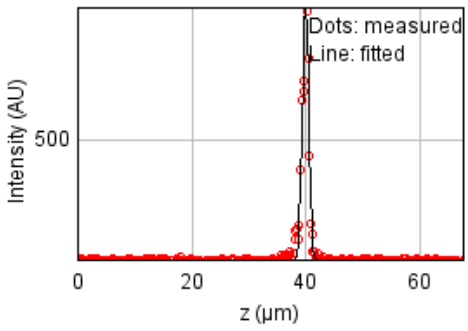




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 985.061 (brightness)
B = 125.656 (background)
a = 0.778 px
b = -0.098 px
c = 0.450 px
xc = 5.127 px
yc = 5.373 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 115470.284
Standard deviation: 19.39393
R^2: 0.96085
Parameters:
a = 113.90334
b = 919.97031
c = 40.02272
d = 0.55768