Bead 1601

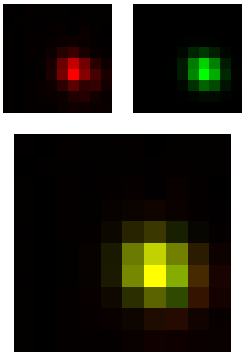
Date : Mon Oct 17 13:29:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 23.6 um (x), -32.5 um (y), 36.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	472 nm	488 nm	223 nm
max	523 nm	541 nm	223 nm
z	1.32 um	1.33 um	885 nm
Asymmetry	0.902		
Theta	-29.4°		

XY profile & fitting parameters :

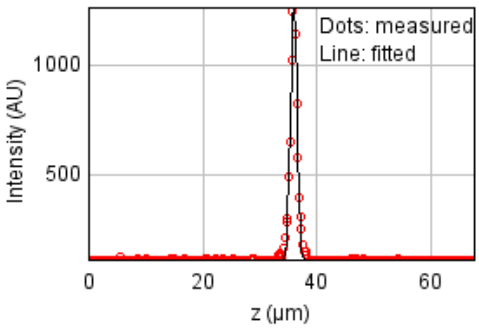
(red : the orignal data, green : the fit, yellow : the two merged)



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

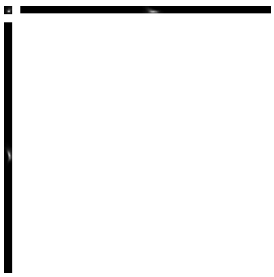
Parameters:
A = 1151.761 (brightness)
B = 124.567 (background)
a = 0.517 px
b = -0.048 px
c = 0.575 px
xc = 6.086 px
yc = 5.679 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 77526.0717
Standard deviation: 15.89113
R^2: 0.98676
Parameters:
a = 116.76978
b = 1264.08141
c = 36.02787
d = 0.56118

Bead 1602



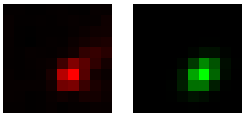
Date : Mon Oct 17 13:29:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

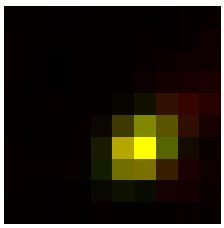
Coordinates : 128 um (x), 86.2 um (y), 35.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	395 nm	223 nm
max	525 nm	542 nm	223 nm
z	1.56 um	1.56 um	885 nm
Asymmetry	0.728		
Theta	42.1°		

XY profile & fitting parameters :

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

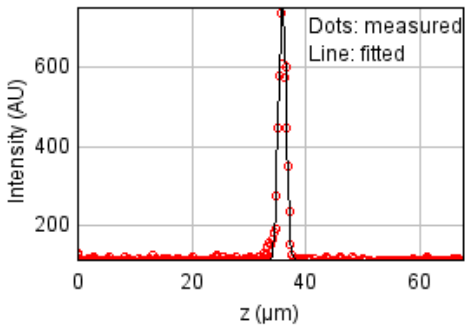




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.940

Parameters:
A = 780.741 (brightness)
B = 121.031 (background)
a = 0.682 px
b = 0.215 px
c = 0.725 px
xc = 5.824 px
yc = 5.985 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 77056.6646
Standard deviation: 15.84295
R^2: 0.96522
Parameters:
a = 111.20288
b = 755.87956
c = 35.94415
d = 0.66158

Bead 1603

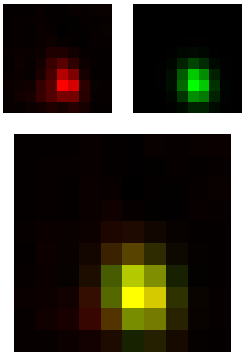
Date : Mon Oct 17 13:29:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -76.1 um (x), 72.6 um (y), 36.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	478 nm	494 nm	223 nm
max	578 nm	598 nm	223 nm
z	1.61 um	1.61 um	885 nm
Asymmetry	0.826		
Theta	-72.5°		

XY profile & fitting parameters :

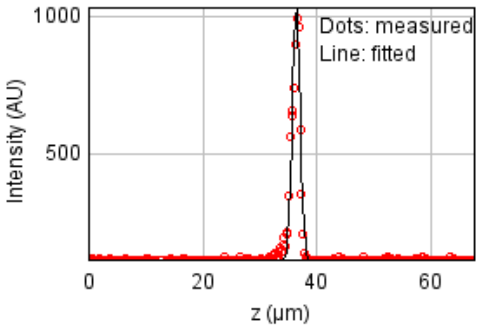
(red : the orignal data, green : the fit, yellow : the two merged)



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 = 1046.586 (brightness)
B = 135.455 (background)
a = 0.571 px
b = -0.053 px
c = 0.418 px
xc = 5.271 px
yc = 6.824 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 239040.821
Standard deviation: 27.90402
R^2: 0.94981
Parameters:
a = 114.21449
b = 1037.87036
c = 36.45644
d = 0.68253

Bead 1604

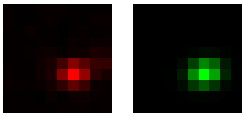
Date : Mon Oct 17 13:29:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

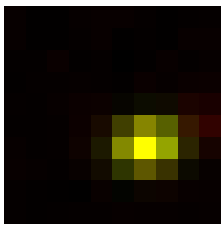
Coordinates : 158 um (x), 67.6 um (y), 35.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	405 nm	223 nm
max	507 nm	524 nm	223 nm
z	1.42 um	1.43 um	885 nm
Asymmetry	0.773		
Theta	10.0°		

XY profile & fitting parameters :

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

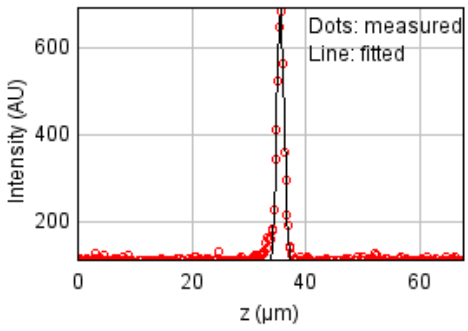




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

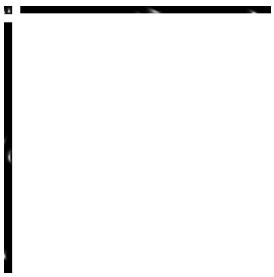
Parameters:
A = 586.146 (brightness)
B = 116.140 (background)
a = 0.533 px
b = 0.060 px
c = 0.863 px
xc = 6.100 px
yc = 5.873 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34186.6634
Standard deviation: 10.55259
R^2: 0.97885
Parameters:
a = 110.96545
b = 690.84196
c = 35.62742
d = 0.60294

Bead 1605 (Rejected)



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

Coordinates : -77.7 um (x), 53.9 um (y), 63.0 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

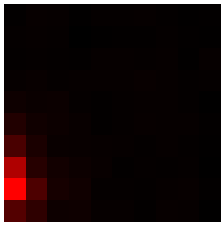
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.12 um	1.13 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

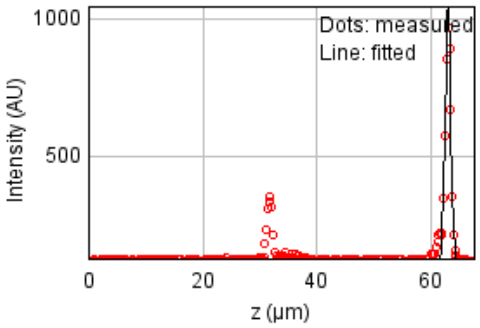
XY profile & fitting parameters :

(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: 268163.776
Standard deviation: 29.55499
R^2: 0.92604
Parameters:
a = 120.29898
b = 1066.37410
c = 63.04021
d = 0.47757

Bead 1606 (Rejected)

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

Coordinates : -92.4 um (x), 51.3 um (y), 36.7 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

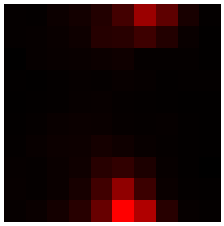
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.43 um	1.44 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

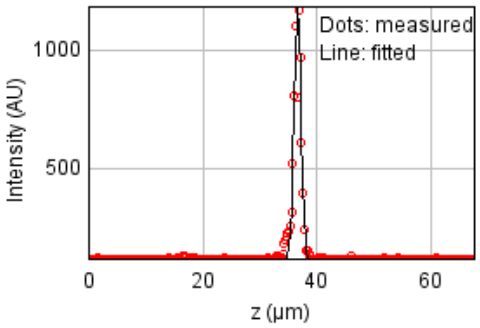
XY profile & fitting parameters :

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

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

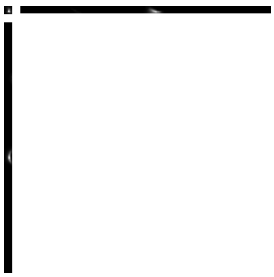
Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 223363.663
Standard deviation: 26.97349
R^2: 0.96106
Parameters:
 a = 114.38623
 b = 1191.73268
 c = 36.69357
 d = 0.60888

Bead 1607



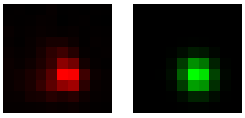
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

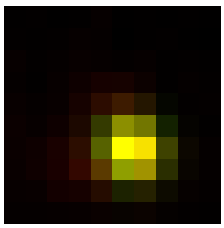
Coordinates : -85.7 um (x), 50.6 um (y), 36.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	486 nm	503 nm	223 nm
max	513 nm	531 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.948		
Theta	-52.0°		

XY profile & fitting parameters :

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

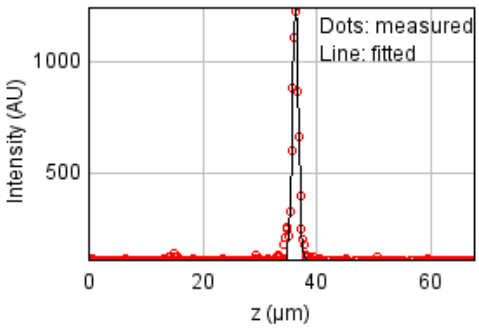




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

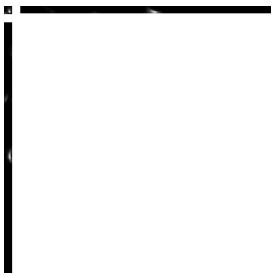
Parameters:
A = 1191.342 (brightness)
B = 135.213 (background)
a = 0.545 px
b = -0.028 px
c = 0.531 px
xc = 5.384 px
yc = 6.070 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 84246.1732
Standard deviation: 16.56555
R^2: 0.98419
Parameters:
a = 116.19187
b = 1238.47139
c = 36.32335
d = 0.53178

Bead 1608



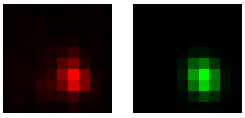
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

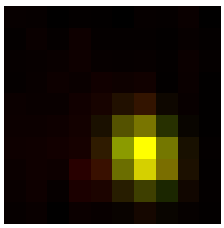
Coordinates : -91.1 um (x), 46.1 um (y), 35.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	452 nm	467 nm	223 nm
max	538 nm	556 nm	223 nm
z	1.56 um	1.57 um	885 nm
Asymmetry	0.84		
Theta	-68.2°		

XY profile & fitting parameters :

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

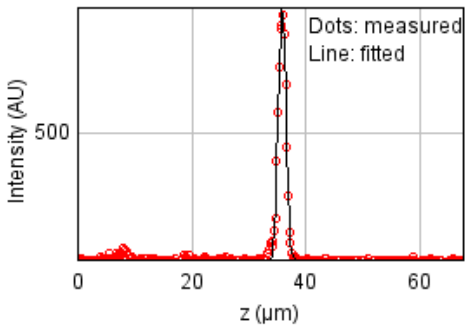




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 701.958 (brightness)
B = 128.528 (background)
a = 0.631 px
b = -0.066 px
c = 0.491 px
xc = 5.923 px
yc = 6.280 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37262.1445
Standard deviation: 11.01704
R^2: 0.98770
Parameters:
a = 116.83933
b = 878.67463
c = 35.91293
d = 0.66272

Bead 1609

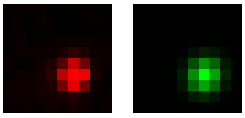
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

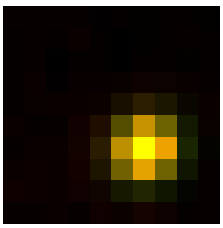
Coordinates : -138 um (x), -16.1 um (y), 35.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	496 nm	513 nm	223 nm
max	529 nm	546 nm	223 nm
z	1.66 um	1.67 um	885 nm
Asymmetry	0.939		
Theta	52.0°		

XY profile & fitting parameters :

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

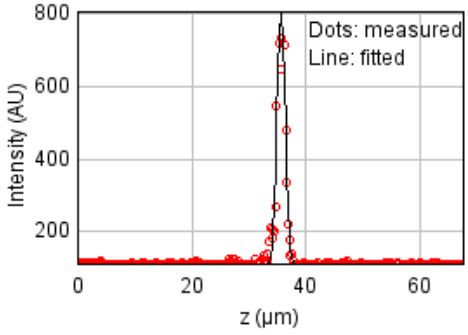




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 737.861 (brightness)
B = 117.979 (background)
a = 0.520 px
b = 0.031 px
c = 0.505 px
xc = 6.059 px
yc = 6.052 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 129416.887
Standard deviation: 20.53177
R^2: 0.95421
Parameters:
a = 111.02739
b = 812.51180
c = 35.73068
d = 0.70635

Bead 1610

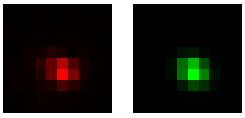
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

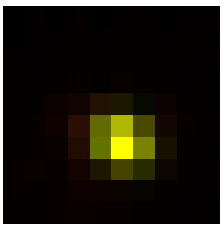
Coordinates : -129 um (x), -19.1 um (y), 35.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	394 nm	223 nm
max	454 nm	469 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.839		
Theta	-34.0°		

XY profile & fitting parameters :

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

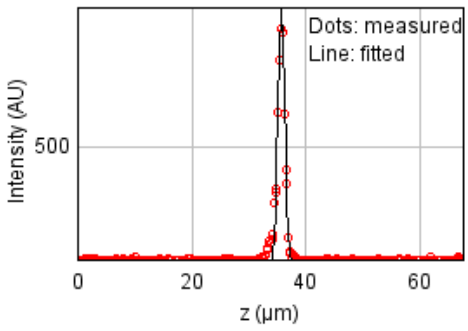




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1022.057 (brightness)
B = 120.953 (background)
a = 0.737 px
b = -0.127 px
c = 0.840 px
xc = 4.990 px
yc = 5.699 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 87161.5413
Standard deviation: 16.84974
R^2: 0.97522
Parameters:
a = 112.57644
b = 992.49058
c = 35.77593
d = 0.56660

Bead 1611

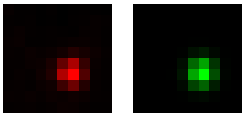
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

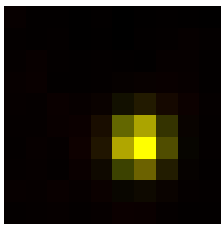
Coordinates : -141 um (x), -25.5 um (y), 35.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	419 nm	223 nm
max	438 nm	452 nm	223 nm
z	1.32 um	1.32 um	885 nm
Asymmetry	0.926		
Theta	81.8°		

XY profile & fitting parameters :

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

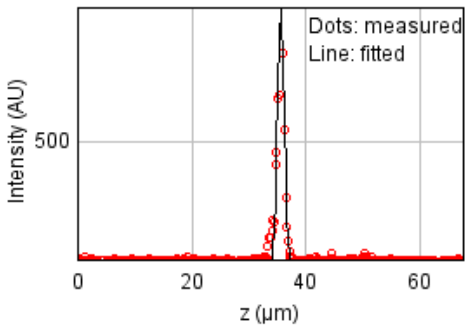




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.992

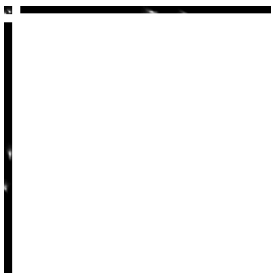
Parameters:
A = 1012.006 (brightness)
B = 118.985 (background)
a = 0.815 px
b = 0.016 px
c = 0.703 px
xc = 5.767 px
yc = 5.822 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 119052.247
Standard deviation: 19.69244
R^2: 0.96156
Parameters:
a = 113.28735
b = 938.00086
c = 35.69243
d = 0.55983

Bead 1612



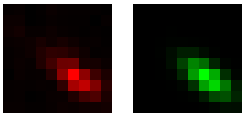
Date : Mon Oct 17 13:29:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

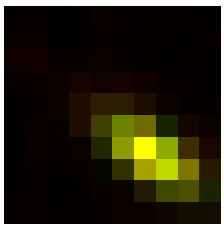
Coordinates : 156 um (x), -32.2 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	393 nm	223 nm
max	835 nm	863 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.455		
Theta	-36.4°		

XY profile & fitting parameters :

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

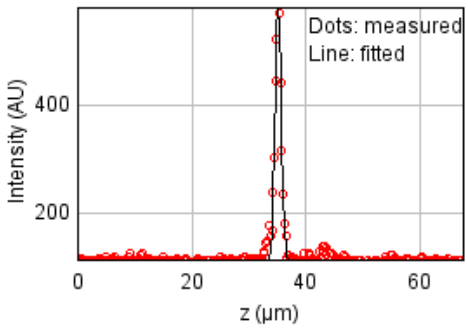




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 456.311 (brightness)
B = 117.242 (background)
a = 0.451 px
b = -0.351 px
c = 0.670 px
xc = 6.288 px
yc = 6.301 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24149.4516
Standard deviation: 8.86920
R^2: 0.97491
Parameters:
a = 110.89548
b = 582.84455
c = 35.21106
d = 0.53804

Bead 1613

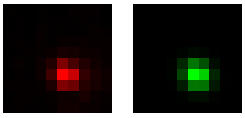
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

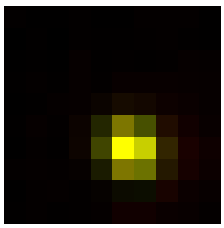
Coordinates : 96.7 um (x), -33.7 um (y), 35.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	445 nm	460 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.89		
Theta	-42.7°		

XY profile & fitting parameters :

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

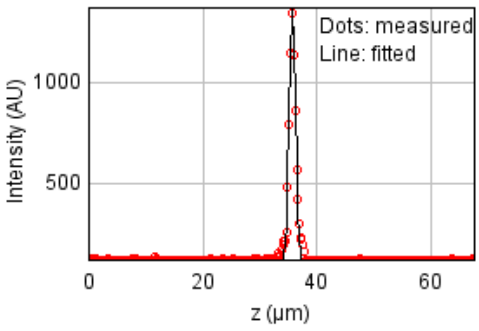




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1331.433 (brightness)
B = 126.887 (background)
a = 0.761 px
b = -0.089 px
c = 0.775 px
xc = 5.366 px
yc = 6.042 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 86378.3141
Standard deviation: 16.77387
R^2: 0.98736
Parameters:
a = 114.41776
b = 1388.08928
c = 35.77540
d = 0.53110

Bead 1614

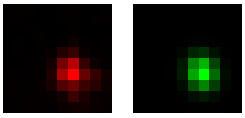
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

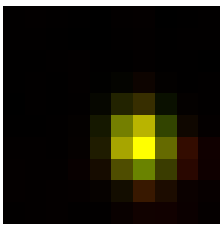
Coordinates : 18.4 um (x), -66.0 um (y), 35.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	461 nm	223 nm
max	520 nm	538 nm	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.858		
Theta	-74.8°		

XY profile & fitting parameters :

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

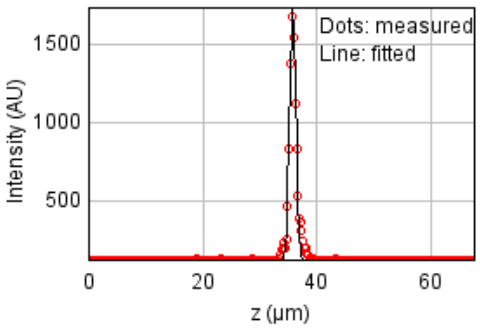




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 1622.230 (brightness)
B = 132.641 (background)
a = 0.661 px
b = -0.045 px
c = 0.508 px
xc = 5.821 px
yc = 5.829 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 178588.007
Standard deviation: 24.11887
R^2: 0.98387
Parameters:
a = 117.25922
b = 1730.93289
c = 35.84166
d = 0.53422

Bead 1615

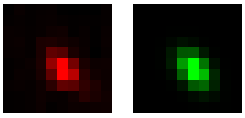
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

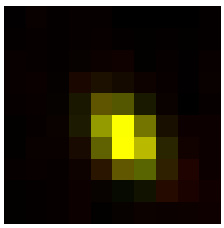
Coordinates : 135 um (x), -85.0 um (y), 35.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	414 nm	223 nm
max	619 nm	640 nm	223 nm
z	1.62 um	1.63 um	885 nm
Asymmetry	0.647		
Theta	-51.1°		

XY profile & fitting parameters :

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

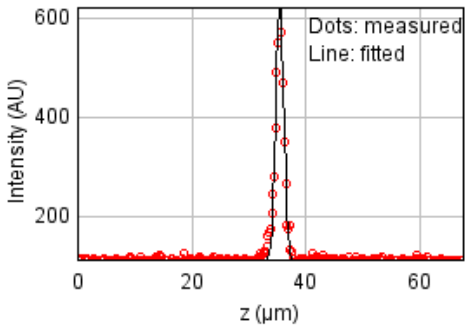




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

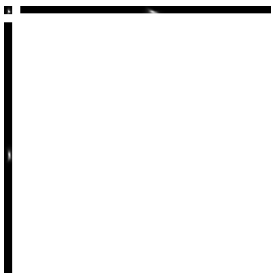
Parameters:
A = 585.254 (brightness)
B = 119.171 (background)
a = 0.644 px
b = -0.237 px
c = 0.541 px
xc = 5.082 px
yc = 5.536 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24171.8381
Standard deviation: 8.87331
R^2: 0.98332
Parameters:
a = 110.34391
b = 626.03282
c = 35.50093
d = 0.68981

Bead 1616



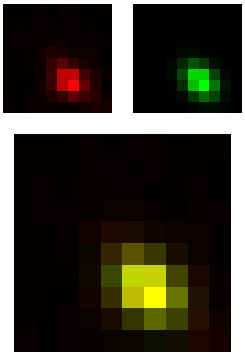
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 125 um (x), -89.2 um (y), 35.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	432 nm	446 nm	223 nm
max	590 nm	610 nm	223 nm
z	1.65 um	1.66 um	885 nm
Asymmetry	0.732		
Theta	-45.4°		

XY profile & fitting parameters :

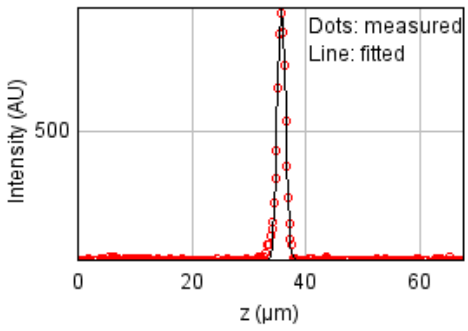
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 836.316 (brightness)
B = 120.469 (background)
a = 0.555 px
b = -0.167 px
c = 0.551 px
xc = 5.656 px
yc = 6.575 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33378.2840
Standard deviation: 10.42708
R^2: 0.98963
Parameters:
a = 112.84428
b = 877.74954
c = 35.78780
d = 0.70176

Bead 1617

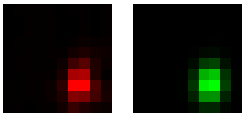
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

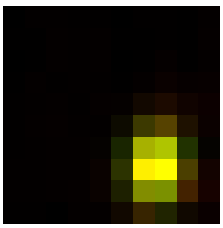
Coordinates : 10.2 um (x), 55.5 um (y), 36.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	441 nm	223 nm
max	570 nm	589 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.749		
Theta	86.5°		

XY profile & fitting parameters :

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

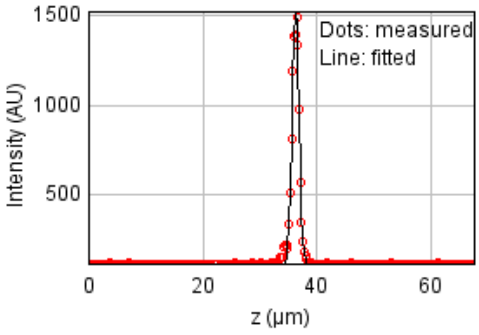




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 1471.523 (brightness)
B = 122.833 (background)
a = 0.736 px
b = 0.020 px
c = 0.415 px
xc = 6.549 px
yc = 6.839 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 80688.1333
Standard deviation: 16.21196
R^2: 0.99144
Parameters:
a = 114.63174
b = 1528.01465
c = 36.34435
d = 0.59933

Bead 1618

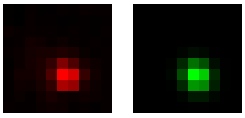
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

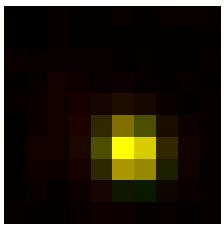
Coordinates : -152 um (x), 50.1 um (y), 36.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	435 nm	223 nm
max	463 nm	479 nm	223 nm
z	1.65 um	1.66 um	885 nm
Asymmetry	0.907		
Theta	-52.1°		

XY profile & fitting parameters :

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

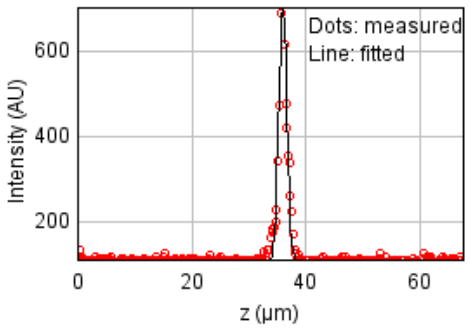




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

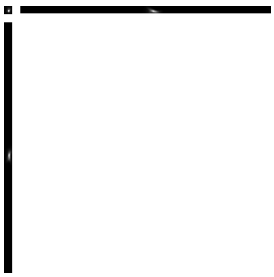
Parameters:
A = 806.379 (brightness)
B = 122.935 (background)
a = 0.709 px
b = -0.065 px
c = 0.676 px
xc = 5.353 px
yc = 6.142 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 79784.8812
Standard deviation: 16.12097
R^2: 0.95954
Parameters:
a = 112.65610
b = 702.72729
c = 36.03237
d = 0.70011

Bead 1619



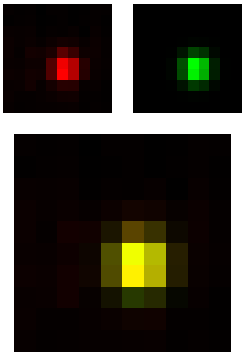
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -143 um (x), -2.74 um (y), 35.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	438 nm	223 nm
max	440 nm	454 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.965		
Theta	-89.1°		

XY profile & fitting parameters :

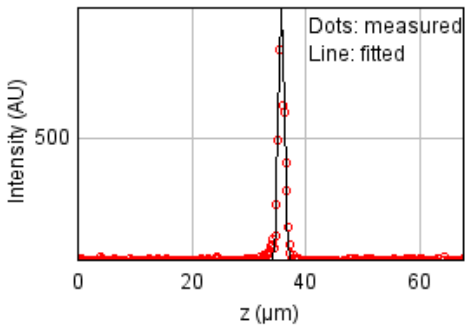
(red : the orignal data, green : the fit, yellow : the two merged)



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

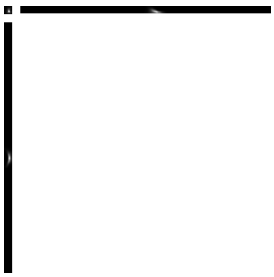
Parameters:
A = 1102.598 (brightness)
B = 122.898 (background)
a = 0.746 px
b = -0.001 px
c = 0.695 px
xc = 5.283 px
yc = 5.459 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 86441.9762
Standard deviation: 16.78005
R^2: 0.96800
Parameters:
a = 111.63973
b = 925.30200
c = 35.77006
d = 0.50352

Bead 1620



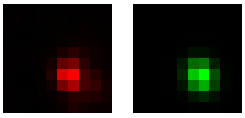
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

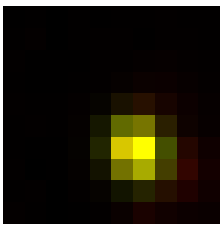
Coordinates : 44.6 um (x), -14.5 um (y), 36.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	438 nm	223 nm
max	492 nm	509 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.86		
Theta	-63.7°		

XY profile & fitting parameters :

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

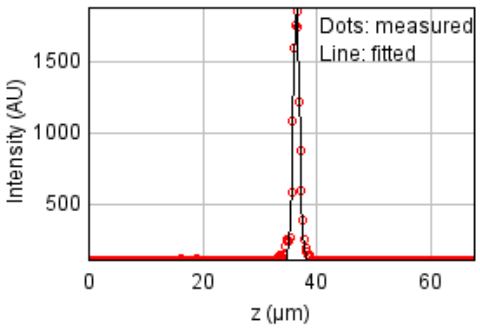




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

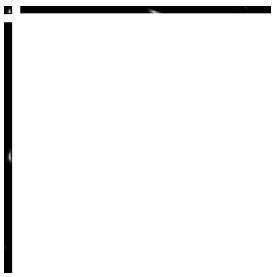
Parameters:
A = 1868.052 (brightness)
B = 136.522 (background)
a = 0.711 px
b = -0.077 px
c = 0.592 px
xc = 5.690 px
yc = 6.120 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 130789.552
Standard deviation: 20.64036
R^2: 0.99046
Parameters:
a = 115.89399
b = 1881.17319
c = 36.47807
d = 0.55718

Bead 1621



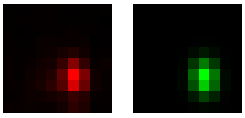
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

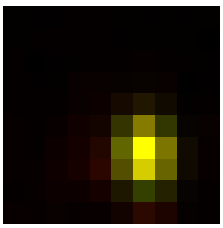
Coordinates : -102 um (x), -18.3 um (y), 35.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	411 nm	223 nm
max	532 nm	550 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.746		
Theta	-86.1°		

XY profile & fitting parameters :

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

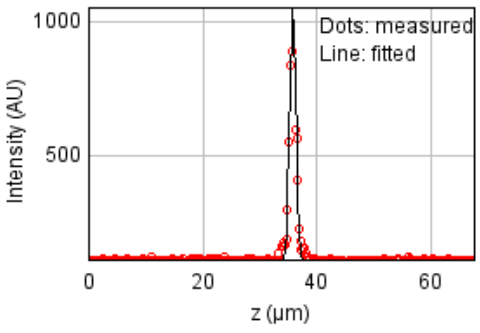




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 1006.299 (brightness)
B = 129.281 (background)
a = 0.848 px
b = -0.025 px
c = 0.475 px
xc = 6.051 px
yc = 6.271 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 88906.9594
Standard deviation: 17.01761
R^2: 0.97639
Parameters:
a = 113.97038
b = 1053.39333
c = 35.85784
d = 0.53189

Bead 1622

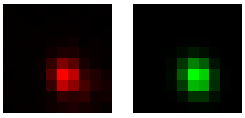
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

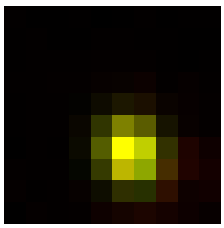
Coordinates : 43.9 um (x), -32.4 um (y), 36.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	457 nm	473 nm	223 nm
max	528 nm	545 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.867		
Theta	-64.4°		

XY profile & fitting parameters :

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

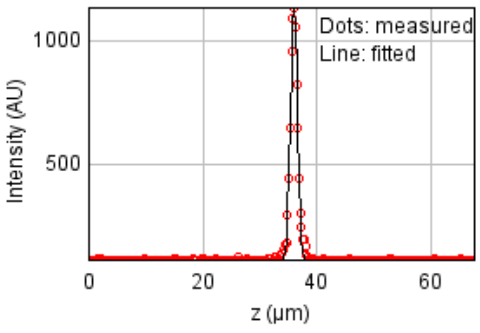




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 1055.399 (brightness)
B = 125.916 (background)
a = 0.612 px
b = -0.062 px
c = 0.512 px
xc = 5.347 px
yc = 6.210 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38574.9732
Standard deviation: 11.20943
R^2: 0.99216
Parameters:
a = 113.82610
b = 1134.81448
c = 36.06232
d = 0.60033

Bead 1623

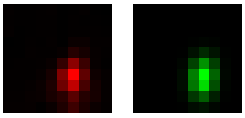
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

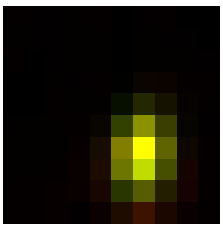
Coordinates : -15.9 um (x), -35.3 um (y), 35.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	415 nm	223 nm
max	615 nm	636 nm	223 nm
z	1.1 um	1.1 um	885 nm
Asymmetry	0.653		
Theta	84.4°		

XY profile & fitting parameters :

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

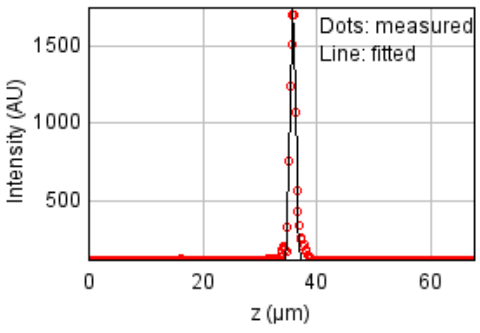




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1535.391 (brightness)
B = 126.575 (background)
a = 0.827 px
b = 0.046 px
c = 0.359 px
xc = 5.913 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: 177794.286
Standard deviation: 24.06521
R^2: 0.98203
Parameters:
a = 116.81531
b = 1744.46240
c = 35.84996
d = 0.46664

Bead 1624

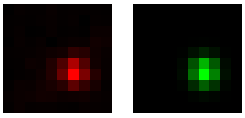
Date : Mon Oct 17 13:29:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

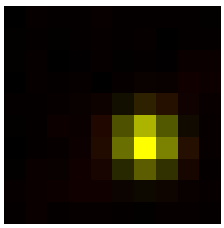
Coordinates : -144 um (x), -62.9 um (y), 35.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	434 nm	223 nm
max	445 nm	460 nm	223 nm
z	1.44 um	1.45 um	885 nm
Asymmetry	0.944		
Theta	-79.9°		

XY profile & fitting parameters :

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

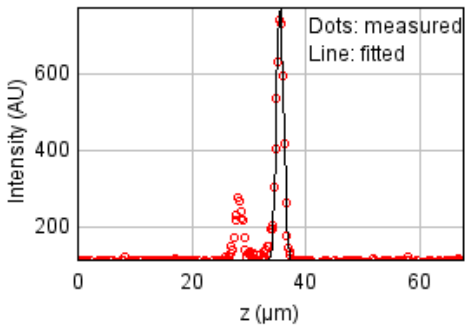




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

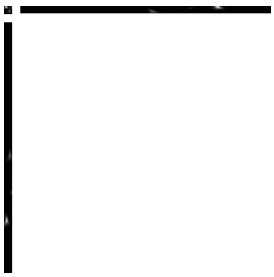
Parameters:
A = 678.543 (brightness)
B = 120.456 (background)
a = 0.758 px
b = -0.014 px
c = 0.680 px
xc = 6.044 px
yc = 5.760 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 165086.764
Standard deviation: 23.18926
R^2: 0.92641
Parameters:
a = 116.64740
b = 776.51384
c = 35.55166
d = 0.61205

Bead 1625



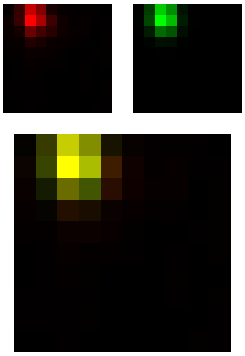
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -14.0 um (x), -84.6 um (y), 53.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	500 nm	517 nm	223 nm
z	1.37 um	1.37 um	885 nm
Asymmetry	0.815		
Theta	-82.5°		

XY profile & fitting parameters :

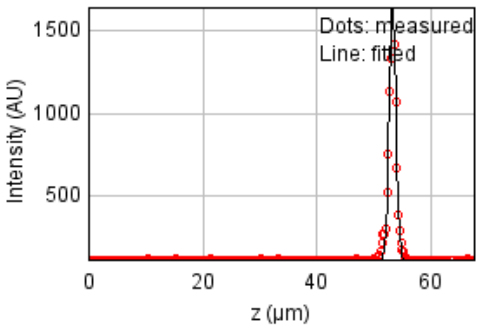
(red : the orignal data, green : the fit, yellow : the two merged)



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

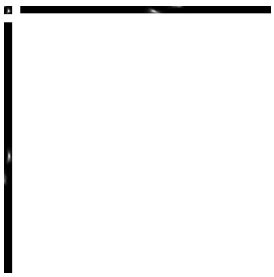
Parameters:
A = 1652.067 (brightness)
B = 124.716 (background)
a = 0.805 px
b = -0.035 px
c = 0.542 px
xc = 2.299 px
yc = 0.725 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 88588.9825
Standard deviation: 16.98716
R^2: 0.99185
Parameters:
a = 116.01754
b = 1657.16131
c = 53.33288
d = 0.58092

Bead 1626



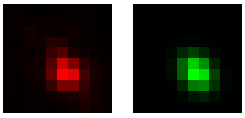
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

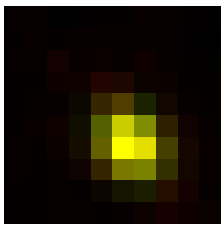
Coordinates : 117 um (x), -94.1 um (y), 36.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	455 nm	471 nm	223 nm
max	576 nm	596 nm	223 nm
z	1.57 um	1.57 um	885 nm
Asymmetry	0.79		
Theta	-53.5°		

XY profile & fitting parameters :

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

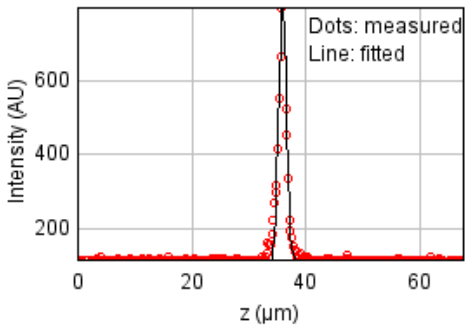




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

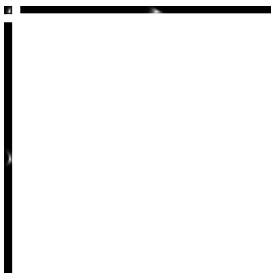
Parameters:
A = 807.359 (brightness)
B = 122.307 (background)
a = 0.561 px
b = -0.116 px
c = 0.490 px
xc = 5.332 px
yc = 5.805 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 70533.1529
Standard deviation: 15.15750
R^2: 0.97246
Parameters:
a = 112.80448
b = 806.27800
c = 35.98386
d = 0.66600

Bead 1627



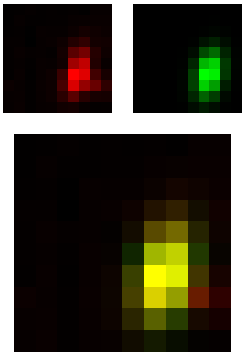
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 12.9 um (x), 86.9 um (y), 36.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	438 nm	223 nm
max	729 nm	754 nm	223 nm
z	1.5 um	1.5 um	885 nm
Asymmetry	0.581		
Theta	77.6°		

XY profile & fitting parameters :

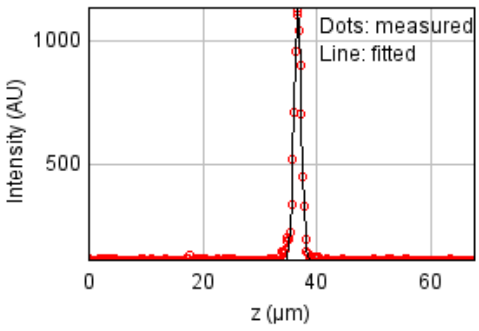
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1083.506 (brightness)
B = 131.378 (background)
a = 0.724 px
b = 0.104 px
c = 0.275 px
xc = 6.460 px
yc = 5.950 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35056.3584
Standard deviation: 10.68598
R^2: 0.99325
Parameters:
a = 114.95682
b = 1135.47649
c = 36.71043
d = 0.63610

Bead 1628 (Rejected)

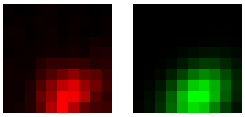
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

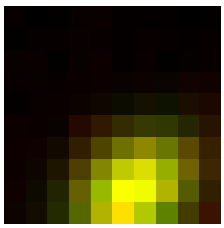
Coordinates : -12.0 um (x), 74.1 um (y), 46.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	778 nm	804 nm	223 nm
max	1.05 um	1.08 um	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.743		
Theta	41.0°		

XY profile & fitting parameters :

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



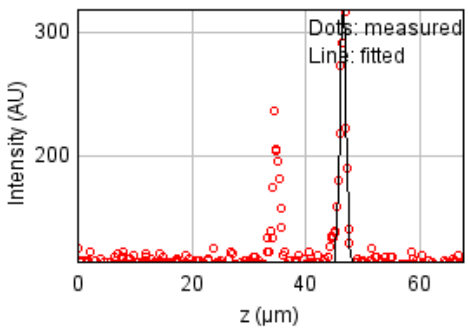


Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 382.484 (brightness)
B = 117.601 (background)
a = 0.165 px
b = 0.049 px
c = 0.179 px

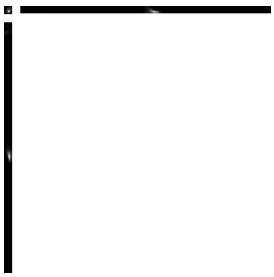
xc = 5.466 px
yc = 8.005 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66451.2724
Standard deviation: 14.71236
R^2: 0.72094
Parameters:
a = 115.43998
b = 319.96879
c = 46.56330
d = 0.52373

Bead 1629



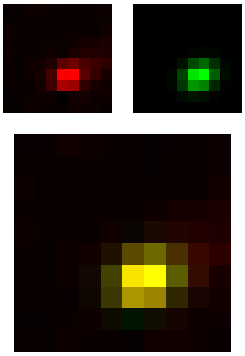
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 142 um (x), 59.4 um (y), 36.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	415 nm	223 nm
max	513 nm	530 nm	223 nm
z	1.65 um	1.65 um	885 nm
Asymmetry	0.783		
Theta	23.8°		

XY profile & fitting parameters :

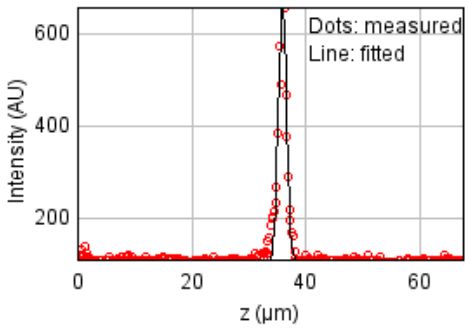
(red : the orignal data, green : the fit, yellow : the two merged)



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

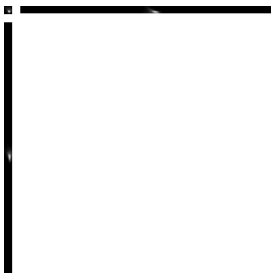
Parameters:
A = 706.912 (brightness)
B = 116.689 (background)
a = 0.562 px
b = 0.119 px
c = 0.778 px
xc = 5.571 px
yc = 6.142 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66347.4023
Standard deviation: 14.70086
R^2: 0.96146
Parameters:
a = 111.47922
b = 663.72458
c = 35.97057
d = 0.69919

Bead 1630



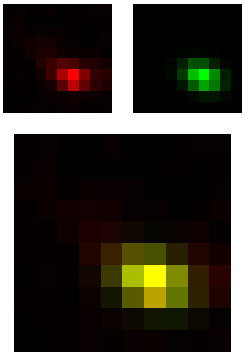
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 159 um (x), 17.3 um (y), 36.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	408 nm	223 nm
max	577 nm	597 nm	223 nm
z	1.49 um	1.5 um	885 nm
Asymmetry	0.684		
Theta	-20.0°		

XY profile & fitting parameters :

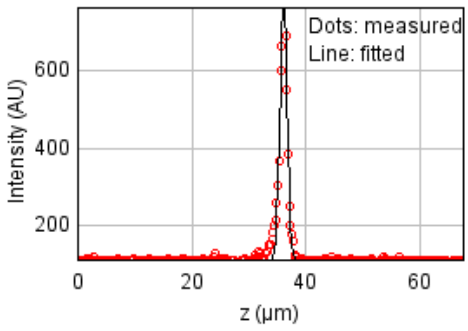
(red : the orignal data, green : the fit, yellow : the two merged)



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

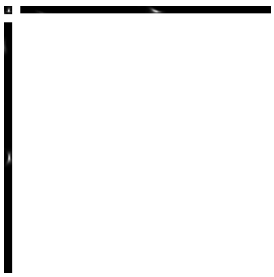
Parameters:
A = 652.584 (brightness)
B = 123.108 (background)
a = 0.456 px
b = -0.147 px
c = 0.806 px
xc = 5.888 px
yc = 6.205 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 42189.3002
Standard deviation: 11.72282
R^2: 0.98055
Parameters:
a = 110.96567
b = 767.74559
c = 36.16642
d = 0.63283

Bead 1631



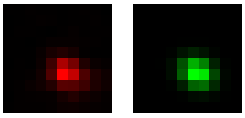
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

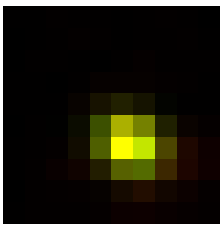
Coordinates : 3.82 um (x), -20.6 um (y), 36.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	429 nm	443 nm	223 nm
max	523 nm	540 nm	223 nm
z	1.45 um	1.46 um	885 nm
Asymmetry	0.821		
Theta	-29.4°		

XY profile & fitting parameters :

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

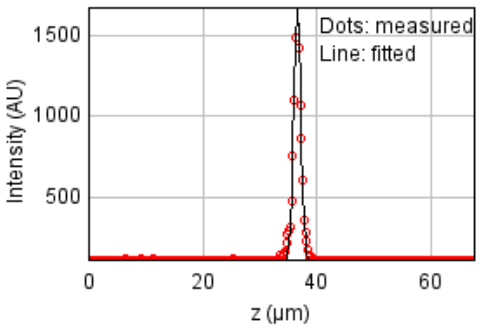




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 1634.911 (brightness)
B = 132.708 (background)
a = 0.549 px
b = -0.102 px
c = 0.672 px
xc = 5.373 px
yc = 5.834 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 109070.002
Standard deviation: 18.84879
R^2: 0.99091
Parameters:
a = 115.93579
b = 1688.76998
c = 36.64157
d = 0.61660

Bead 1632

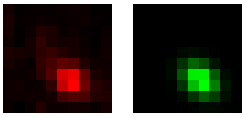
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

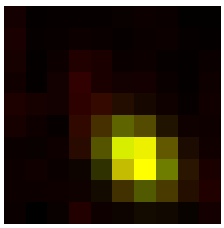
Coordinates : 153 um (x), -57.7 um (y), 35.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	445 nm	460 nm	223 nm
max	593 nm	614 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.75		
Theta	-40.8°		

XY profile & fitting parameters :

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

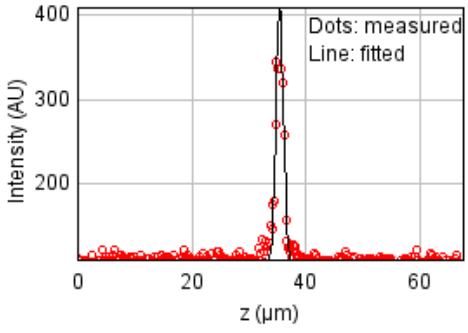




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 405.456 (brightness)
B = 117.560 (background)
a = 0.507 px
b = -0.146 px
c = 0.550 px
xc = 5.644 px
yc = 6.458 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19553.5690
Standard deviation: 7.98075
R^2: 0.95733
Parameters:
a = 110.34640
b = 409.49169
c = 35.48829
d = 0.62913

Bead 1633

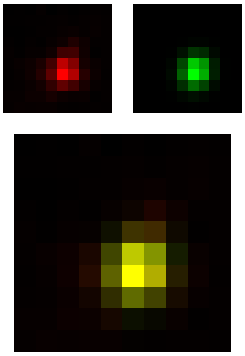
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -126 um (x), -77.2 um (y), 36.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	441 nm	456 nm	223 nm
max	497 nm	514 nm	223 nm
z	1.39 um	1.4 um	885 nm
Asymmetry	0.887		
Theta	71.1°		

XY profile & fitting parameters :

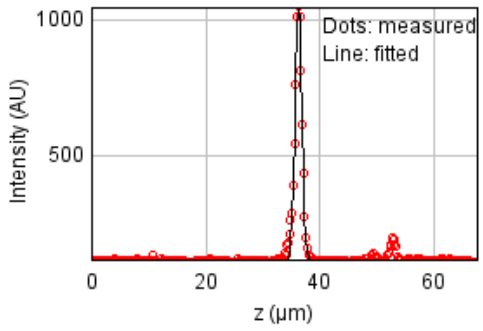
(red : the orignal data, green : the fit, yellow : the two merged)



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

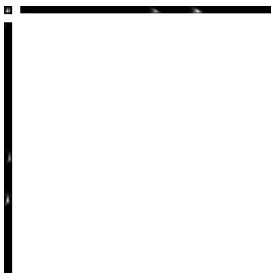
Parameters:
A = 965.438 (brightness)
B = 126.769 (background)
a = 0.674 px
b = 0.045 px
c = 0.558 px
xc = 5.231 px
yc = 5.699 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 74376.8561
Standard deviation: 15.56502
R^2: 0.98163
Parameters:
a = 115.90509
b = 1044.06439
c = 36.32003
d = 0.59084

Bead 1634 (Rejected)



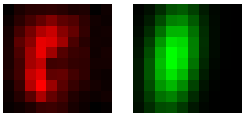
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

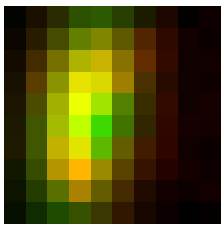
Coordinates : -12.1 um (x), 73.8 um (y), 46.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	748 nm	773 nm	223 nm
max	1.59 um	1.64 um	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.471		
Theta	81.4°		

XY profile & fitting parameters :

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

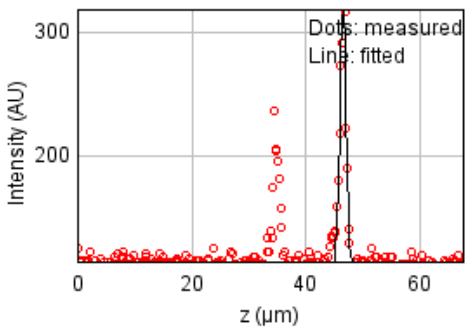




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.870

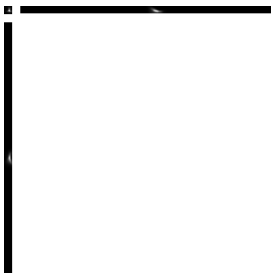
Parameters:
A = 350.945 (brightness)
B = 141.570 (background)
a = 0.236 px
b = 0.028 px
c = 0.057 px
xc = 3.223 px
yc = 4.415 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 66451.2724
Standard deviation: 14.71236
R^2: 0.72094
Parameters:
a = 115.43998
b = 319.96879
c = 46.56330
d = 0.52373

Bead 1635



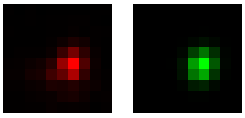
Date : Mon Oct 17 13:29:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

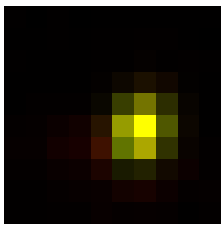
Coordinates : -54.6 um (x), -35.5 um (y), 36.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	478 nm	494 nm	223 nm
z	1.32 um	1.33 um	885 nm
Asymmetry	0.852		
Theta	72.4°		

XY profile & fitting parameters :

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

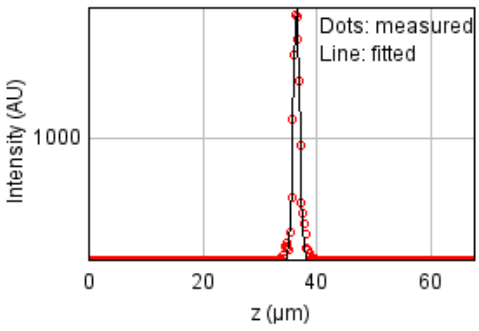




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 1789.650 (brightness)
B = 139.169 (background)
a = 0.789 px
b = 0.064 px
c = 0.608 px
xc = 5.801 px
yc = 5.173 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 175402.805
Standard deviation: 23.90282
R^2: 0.98838
Parameters:
a = 115.66854
b = 1957.63401
c = 36.48828
d = 0.56235

Bead 1636

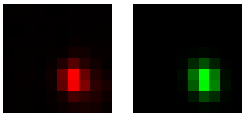
Date : Mon Oct 17 13:29:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

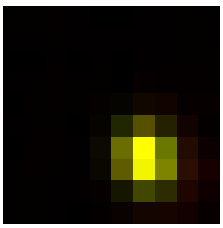
Coordinates : 69.1 um (x), -50.7 um (y), 36.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	416 nm	223 nm
max	480 nm	496 nm	223 nm
z	1.14 um	1.14 um	885 nm
Asymmetry	0.84		
Theta	-71.8°		

XY profile & fitting parameters :

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

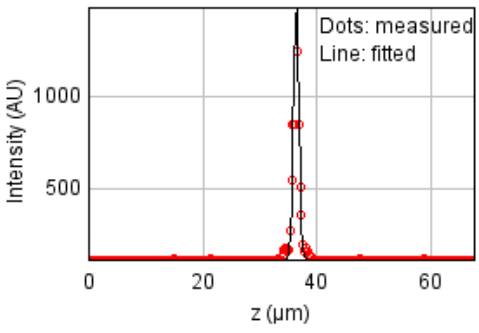




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1652.202 (brightness)
B = 124.327 (background)
a = 0.804 px
b = -0.073 px
c = 0.607 px
xc = 6.069 px
yc = 6.471 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 171287.079
Standard deviation: 23.62072
R^2: 0.97687
Parameters:
a = 114.76635
b = 1494.28062
c = 36.45252
d = 0.48416

Bead 1637

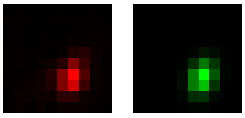
Date : Mon Oct 17 13:29:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

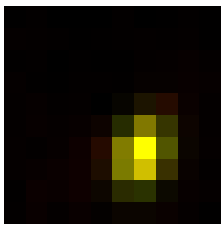
Coordinates : -125 um (x), -63.9 um (y), 36.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	387 nm	223 nm
max	529 nm	547 nm	223 nm
z	1.2 um	1.21 um	885 nm
Asymmetry	0.707		
Theta	71.9°		

XY profile & fitting parameters :

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

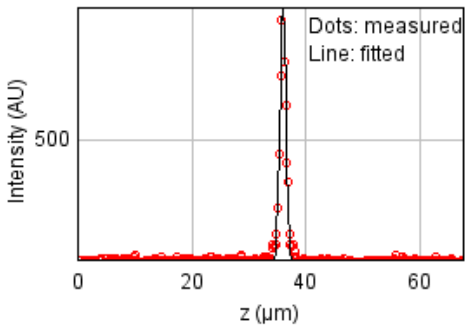




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 936.032 (brightness)
B = 121.178 (background)
a = 0.913 px
b = 0.141 px
c = 0.525 px
xc = 5.856 px
yc = 6.261 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50800.3549
Standard deviation: 12.86365
R^2: 0.98093
Parameters:
a = 113.82142
b = 921.31145
c = 36.05130
d = 0.51118

Bead 1638

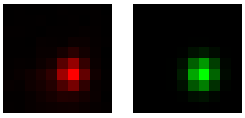
Date : Mon Oct 17 13:29:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

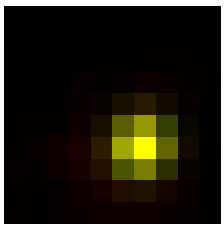
Coordinates : -89.6 um (x), -70.2 um (y), 36.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	441 nm	456 nm	223 nm
max	469 nm	484 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.942		
Theta	74.2°		

XY profile & fitting parameters :

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

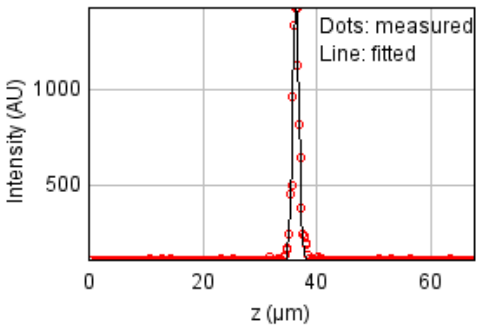




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

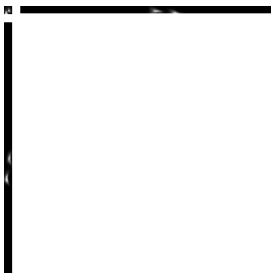
Parameters:
A = 1287.637 (brightness)
B = 132.593 (background)
a = 0.683 px
b = 0.020 px
c = 0.617 px
xc = 5.813 px
yc = 5.928 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 85760.8262
Standard deviation: 16.71380
R^2: 0.98899
Parameters:
a = 114.31512
b = 1443.73635
c = 36.38463
d = 0.55713

Bead 1639



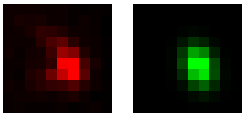
Date : Mon Oct 17 13:29:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

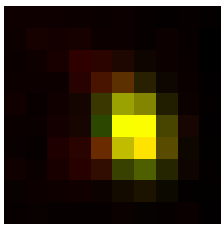
Coordinates : -113 um (x), 83.5 um (y), 36.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	445 nm	460 nm	223 nm
max	621 nm	642 nm	223 nm
z	1.84 um	1.85 um	885 nm
Asymmetry	0.717		
Theta	-71.8°		

XY profile & fitting parameters :

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

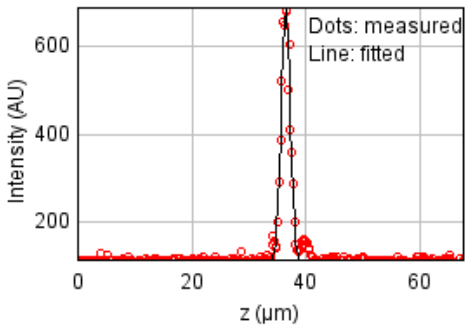




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.933

Parameters:
A = 668.792 (brightness)
B = 129.269 (background)
a = 0.646 px
b = -0.098 px
c = 0.380 px
xc = 5.529 px
yc = 5.234 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 55841.3490
Standard deviation: 13.48680
R^2: 0.97268
Parameters:
a = 114.61470
b = 688.03965
c = 36.55333
d = 0.78238

Bead 1640

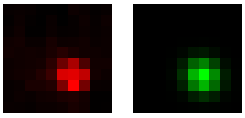
Date : Mon Oct 17 13:29:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

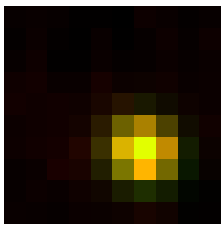
Coordinates : -145 um (x), 21.3 um (y), 36.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	501 nm	518 nm	223 nm
max	538 nm	556 nm	223 nm
z	1.69 um	1.7 um	885 nm
Asymmetry	0.931		
Theta	-34.6°		

XY profile & fitting parameters :

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

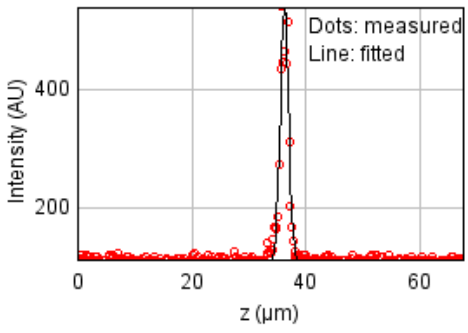




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.939

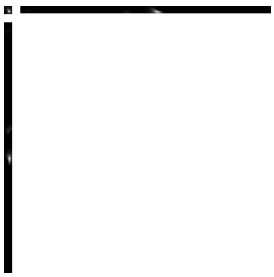
Parameters:
A = 448.833 (brightness)
B = 115.081 (background)
a = 0.487 px
b = -0.033 px
c = 0.512 px
xc = 5.876 px
yc = 6.155 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 54763.8684
Standard deviation: 13.35604
R^2: 0.94856
Parameters:
a = 111.95257
b = 537.89496
c = 36.32841
d = 0.71781

Bead 1641



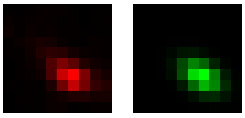
Date : Mon Oct 17 13:29:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

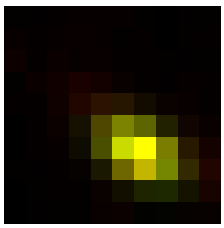
Coordinates : 160 um (x), -13.2 um (y), 36.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	433 nm	223 nm
max	662 nm	684 nm	223 nm
z	1.56 um	1.56 um	885 nm
Asymmetry	0.633		
Theta	-32.1°		

XY profile & fitting parameters :

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

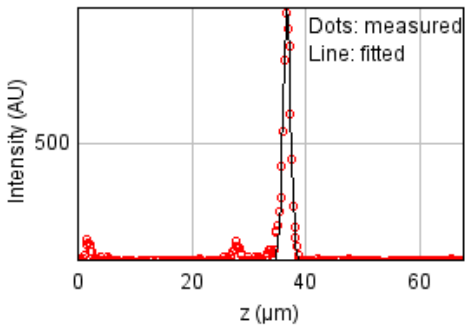




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 873.217 (brightness)
B = 124.329 (background)
a = 0.436 px
b = -0.206 px
c = 0.635 px
xc = 5.746 px
yc = 6.146 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 87154.5346
Standard deviation: 16.84907
R^2: 0.97632
Parameters:
a = 115.33385
b = 951.17126
c = 36.74283
d = 0.66134

Bead 1642

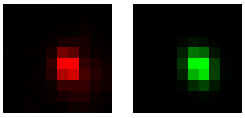
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

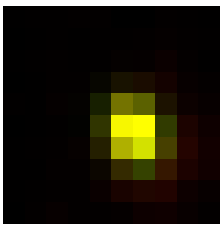
Coordinates : 52.0 um (x), -30.9 um (y), 36.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	425 nm	223 nm
max	516 nm	534 nm	223 nm
z	1.11 um	1.11 um	885 nm
Asymmetry	0.797		
Theta	-66.9°		

XY profile & fitting parameters :

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

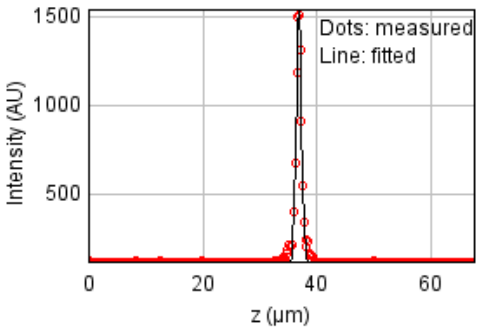




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

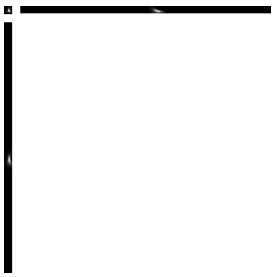
Parameters:
A = 1676.816 (brightness)
B = 135.608 (background)
a = 0.749 px
b = -0.105 px
c = 0.548 px
xc = 5.567 px
yc = 5.300 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 89386.6062
Standard deviation: 17.06346
R^2: 0.98840
Parameters:
a = 115.41958
b = 1549.82590
c = 36.90391
d = 0.47119

Bead 1643



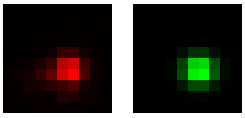
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

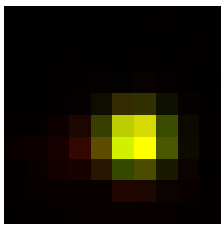
Coordinates : -56.2 um (x), -39.1 um (y), 37.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	455 nm	223 nm
max	489 nm	505 nm	223 nm
z	1.46 um	1.46 um	885 nm
Asymmetry	0.901		
Theta	1.7°		

XY profile & fitting parameters :

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

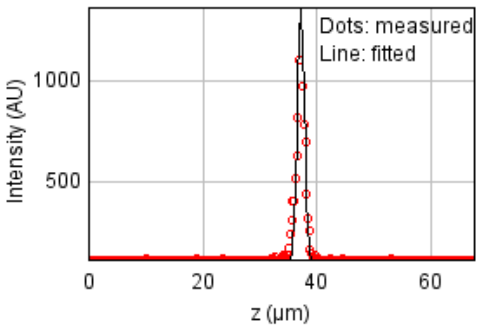




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 1660.590 (brightness)
B = 135.328 (background)
a = 0.562 px
b = 0.004 px
c = 0.692 px
xc = 5.551 px
yc = 5.614 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 337544.870
Standard deviation: 33.15863
R^2: 0.95735
Parameters:
a = 115.28931
b = 1367.87717
c = 37.26264
d = 0.61947

Bead 1644

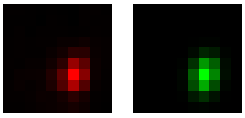
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

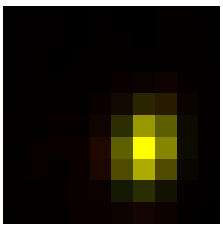
Coordinates : -121 um (x), -48.2 um (y), 36.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	413 nm	223 nm
max	551 nm	570 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.724		
Theta	77.2°		

XY profile & fitting parameters :

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

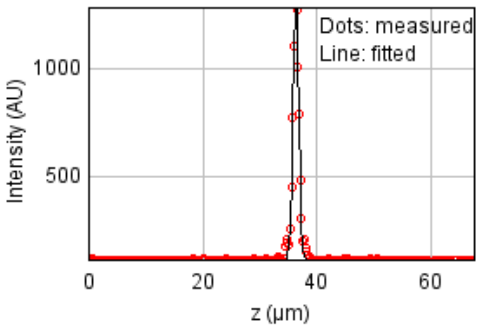




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

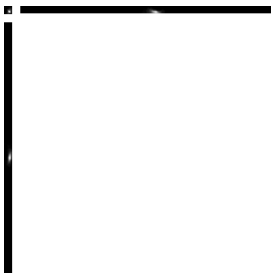
Parameters:
A = 1202.950 (brightness)
B = 127.622 (background)
a = 0.822 px
b = 0.087 px
c = 0.462 px
xc = 6.098 px
yc = 6.047 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51718.5576
Standard deviation: 12.97938
R^2: 0.99107
Parameters:
a = 112.98300
b = 1312.63261
c = 36.40621
d = 0.50870

Bead 1645



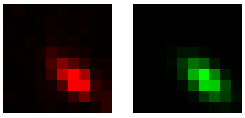
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

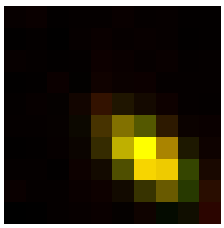
Coordinates : 156 um (x), -95.8 um (y), 36.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	723 nm	748 nm	223 nm
z	1.75 um	1.76 um	885 nm
Asymmetry	0.539		
Theta	-40.1°		

XY profile & fitting parameters :

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

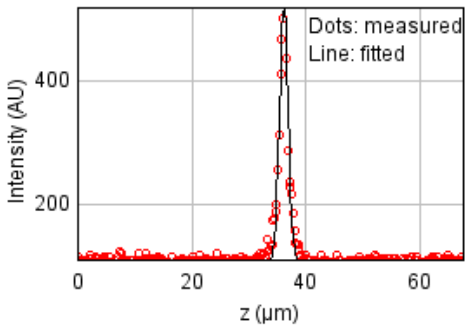




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

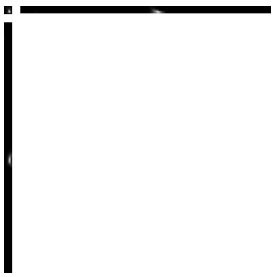
Parameters:
A = 506.674 (brightness)
B = 113.866 (background)
a = 0.516 px
b = -0.309 px
c = 0.623 px
xc = 6.099 px
yc = 6.402 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35297.7486
Standard deviation: 10.72270
R^2: 0.96476
Parameters:
a = 110.06621
b = 519.44928
c = 36.21679
d = 0.74470

Bead 1646



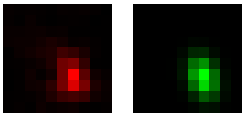
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

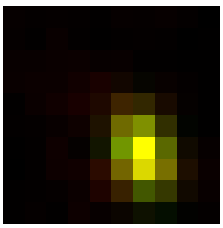
Coordinates : -128 um (x), 81.1 um (y), 36.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	438 nm	223 nm
max	632 nm	653 nm	223 nm
z	1.56 um	1.56 um	885 nm
Asymmetry	0.671		
Theta	-73.5°		

XY profile & fitting parameters :

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

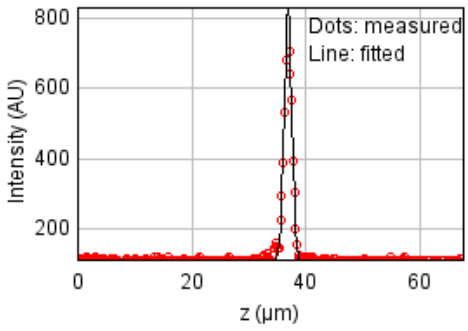




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

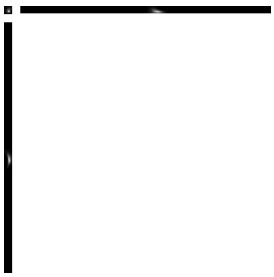
Parameters:
A = 742.821 (brightness)
B = 123.890 (background)
a = 0.714 px
b = -0.112 px
c = 0.370 px
xc = 5.912 px
yc = 6.247 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32083.3457
Standard deviation: 10.22282
R^2: 0.98796
Parameters:
a = 113.27301
b = 828.83611
c = 36.94350
d = 0.66085

Bead 1647



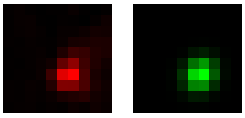
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

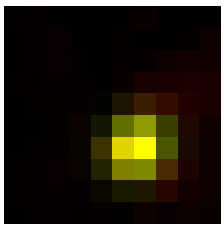
Coordinates : 92.5 um (x), 48.2 um (y), 36.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	448 nm	463 nm	223 nm
max	505 nm	522 nm	223 nm
z	1.98 um	1.99 um	885 nm
Asymmetry	0.887		
Theta	55.7°		

XY profile & fitting parameters :

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

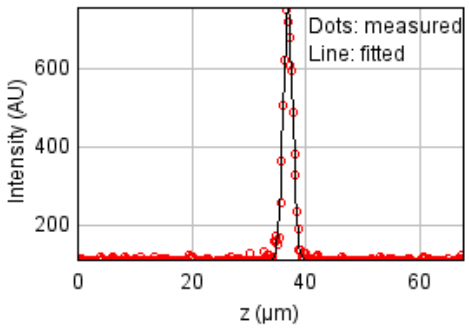




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

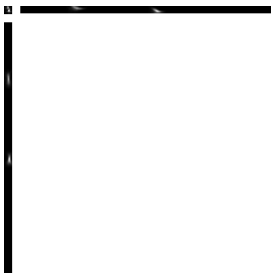
Parameters:
A = 718.719 (brightness)
B = 126.467 (background)
a = 0.624 px
b = 0.067 px
c = 0.572 px
xc = 5.649 px
yc = 5.989 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41554.8470
Standard deviation: 11.63434
R^2: 0.98479
Parameters:
a = 112.09040
b = 756.64115
c = 36.94025
d = 0.84086

Bead 1648



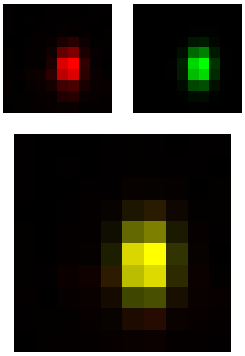
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -23.2 um (x), -7.11 um (y), 36.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	401 nm	223 nm
max	560 nm	579 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.693		
Theta	88.3°		

XY profile & fitting parameters :

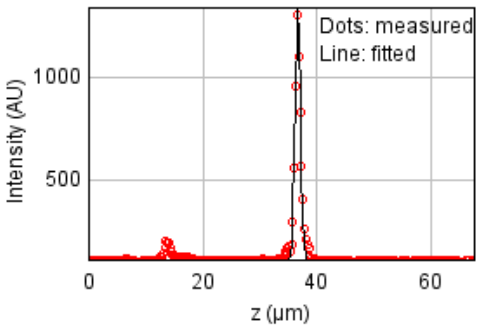
(red : the orignal data, green : the fit, yellow : the two merged)



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

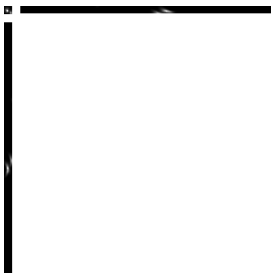
Parameters:
A = 1508.223 (brightness)
B = 124.943 (background)
a = 0.889 px
b = 0.014 px
c = 0.428 px
xc = 5.592 px
yc = 5.327 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 138301.390
Standard deviation: 21.22482
R^2: 0.97589
Parameters:
a = 118.08023
b = 1335.65281
c = 36.72091
d = 0.48075

Bead 1649



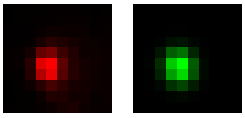
Date : Mon Oct 17 13:29:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

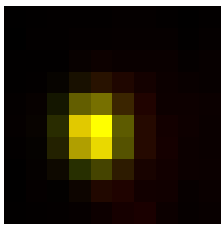
Coordinates : 88.4 um (x), -10.2 um (y), 39.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	456 nm	471 nm	223 nm
max	524 nm	541 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.871		
Theta	-77.7°		

XY profile & fitting parameters :

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

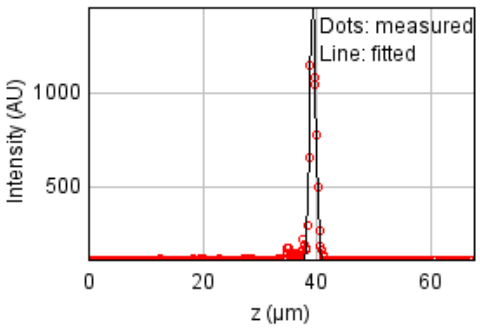




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 1568.845 (brightness)
B = 145.110 (background)
a = 0.638 px
b = -0.032 px
c = 0.496 px
xc = 3.707 px
yc = 5.313 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 216328.737
Standard deviation: 26.54532
R^2: 0.97127
Parameters:
a = 115.97165
b = 1454.05214
c = 39.37181
d = 0.52118

Bead 1650

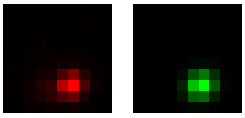
Date : Mon Oct 17 13:29:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

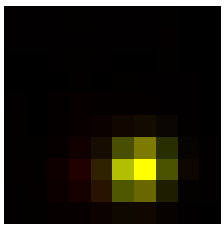
Coordinates : -109 um (x), -22.9 um (y), 37.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	446 nm	461 nm	223 nm
z	1.4 um	1.41 um	885 nm
Asymmetry	0.888		
Theta	25.5°		

XY profile & fitting parameters :

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

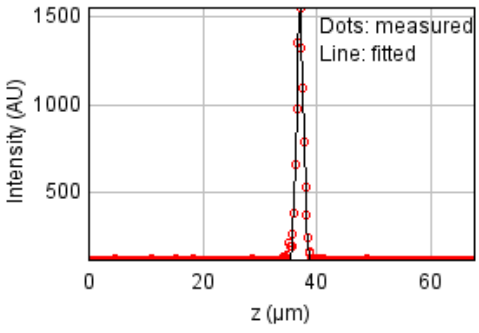




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1472.151 (brightness)
B = 125.500 (background)
a = 0.709 px
b = 0.070 px
c = 0.823 px
xc = 5.712 px
yc = 6.970 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 49033.7332
Standard deviation: 12.63800
R^2: 0.99502
Parameters:
a = 113.39553
b = 1564.34482
c = 37.10739
d = 0.59607

Bead 1651

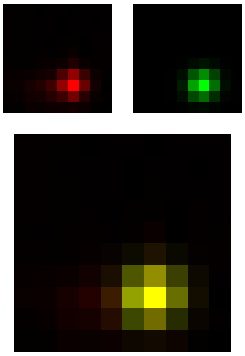
Date : Mon Oct 17 13:29:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -92.2 um (x), -32.1 um (y), 37.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	441 nm	223 nm
max	457 nm	472 nm	223 nm
z	1.39 um	1.4 um	885 nm
Asymmetry	0.934		
Theta	17.0°		

XY profile & fitting parameters :

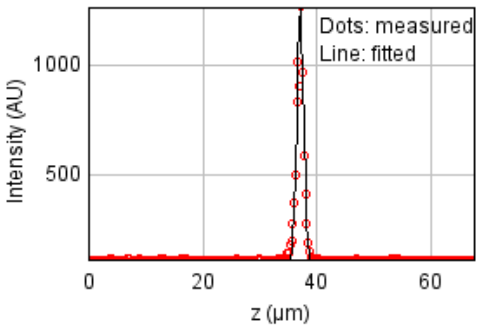
(red : the orignal data, green : the fit, yellow : the two merged)



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

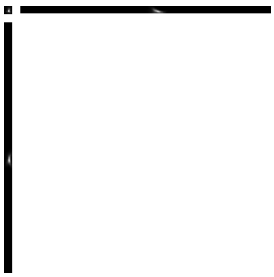
Parameters:
A = 1292.137 (brightness)
B = 128.554 (background)
a = 0.651 px
b = 0.026 px
c = 0.728 px
xc = 5.853 px
yc = 6.908 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 174099.489
Standard deviation: 23.81385
R^2: 0.97219
Parameters:
a = 113.30201
b = 1261.30971
c = 37.14985
d = 0.59143

Bead 1652



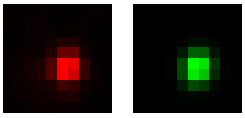
Date : Mon Oct 17 13:29:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

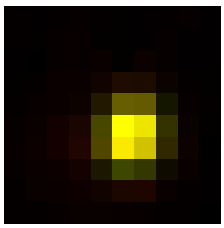
Coordinates : -116 um (x), -33.1 um (y), 36.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	452 nm	223 nm
max	499 nm	516 nm	223 nm
z	1.37 um	1.37 um	885 nm
Asymmetry	0.875		
Theta	76.8°		

XY profile & fitting parameters :

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

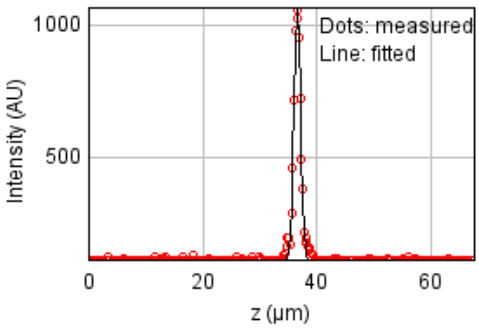




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

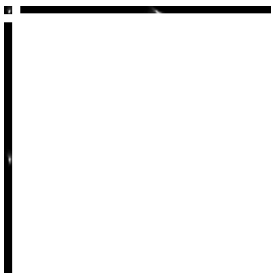
Parameters:
A = 1240.021 (brightness)
B = 127.786 (background)
a = 0.694 px
b = 0.037 px
c = 0.547 px
xc = 5.399 px
yc = 5.388 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47053.5806
Standard deviation: 12.38019
R^2: 0.98895
Parameters:
a = 113.66951
b = 1077.88963
c = 36.64292
d = 0.57990

Bead 1653



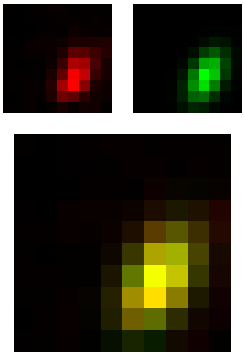
Date : Mon Oct 17 13:29:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 148 um (x), 79.2 um (y), 36.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	474 nm	490 nm	223 nm
max	808 nm	835 nm	223 nm
z	792 nm	795 nm	885 nm
Asymmetry	0.587		
Theta	62.3°		

XY profile & fitting parameters :

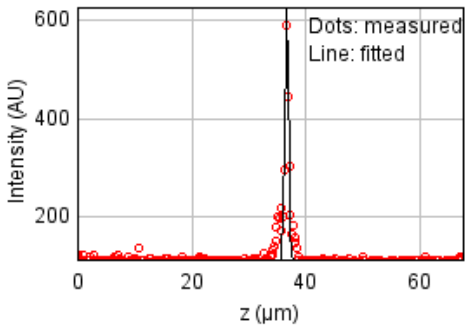
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 590.023 (brightness)
B = 116.742 (background)
a = 0.513 px
b = 0.161 px
c = 0.290 px
xc = 6.203 px
yc = 6.144 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 67148.7276
Standard deviation: 14.78937
R^2: 0.91357
Parameters:
a = 113.02248
b = 629.26431
c = 36.70300
d = 0.33647

Bead 1654

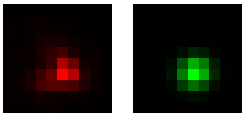
Date : Mon Oct 17 13:29:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

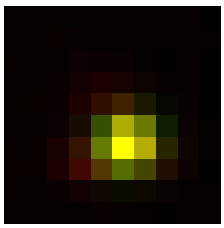
Coordinates : -103 um (x), 74.6 um (y), 38.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	460 nm	475 nm	223 nm
max	491 nm	507 nm	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.937		
Theta	20.3°		

XY profile & fitting parameters :

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

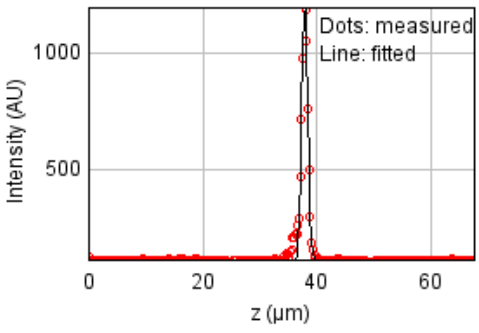




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.932

Parameters:
A = 1043.618 (brightness)
B = 134.200 (background)
a = 0.567 px
b = 0.025 px
c = 0.625 px
xc = 5.159 px
yc = 5.807 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 64986.6449
Standard deviation: 14.54933
R^2: 0.98721
Parameters:
a = 114.84918
b = 1209.61389
c = 37.96242
d = 0.53421

Bead 1655

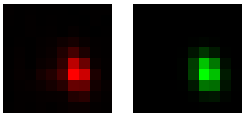
Date : Mon Oct 17 13:29:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

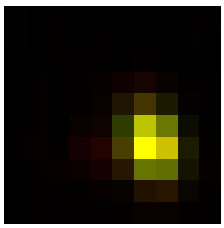
Coordinates : -46.8 um (x), 46.7 um (y), 37.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	521 nm	539 nm	223 nm
z	1.4 um	1.41 um	885 nm
Asymmetry	0.751		
Theta	-72.2°		

XY profile & fitting parameters :

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

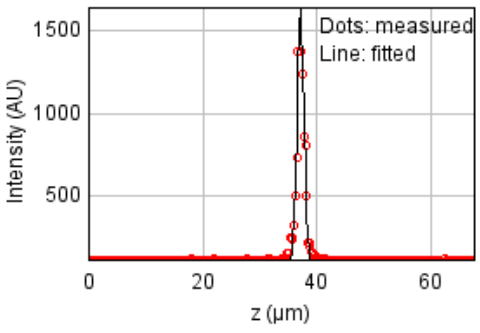




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

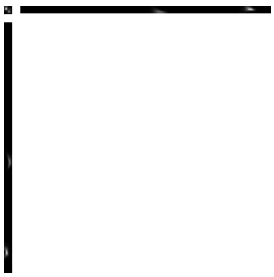
Parameters:
A = 1704.635 (brightness)
B = 132.588 (background)
a = 0.842 px
b = -0.111 px
c = 0.530 px
xc = 6.309 px
yc = 5.817 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 218868.902
Standard deviation: 26.70071
R^2: 0.98008
Parameters:
a = 114.08489
b = 1636.25210
c = 37.19629
d = 0.59544

Bead 1656



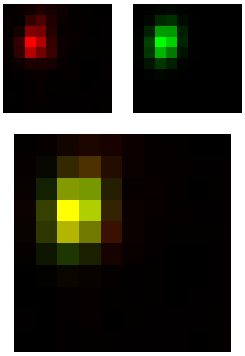
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 67.0 um (x), 42.9 um (y), 62.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	420 nm	223 nm
max	579 nm	598 nm	223 nm
z	1.34 um	1.35 um	885 nm
Asymmetry	0.702		
Theta	76.5°		

XY profile & fitting parameters :

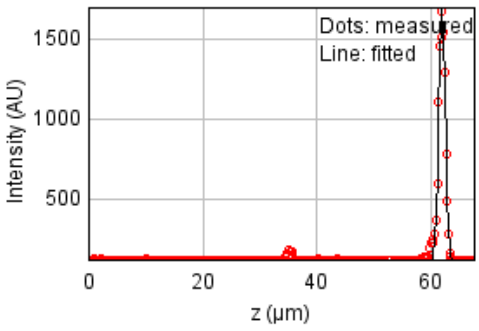
(red : the orignal data, green : the fit, yellow : the two merged)



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

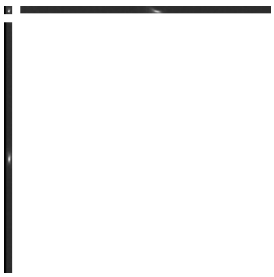
Parameters:
A = 1573.363 (brightness)
B = 132.091 (background)
a = 0.790 px
b = 0.094 px
c = 0.423 px
xc = 2.366 px
yc = 3.010 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 127625.508
Standard deviation: 20.38917
R^2: 0.98876
Parameters:
a = 115.60338
b = 1703.73876
c = 61.98024
d = 0.56962

Bead 1657 (Rejected)



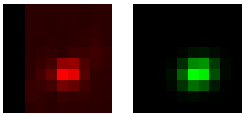
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

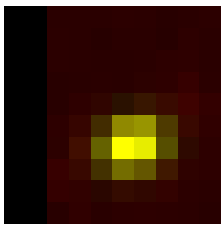
Coordinates : -164 um (x), -19.8 um (y), 36.8 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	433 nm	223 nm
max	522 nm	540 nm	223 nm
z	1.42 um	1.43 um	885 nm
Asymmetry	0.802		
Theta	18.3°		

XY profile & fitting parameters :

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

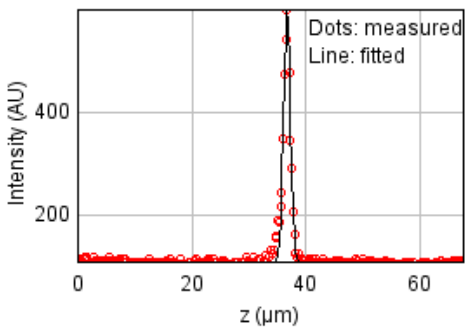




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.796

Parameters:
A = 606.392 (brightness)
B = 87.311 (background)
a = 0.519 px
b = 0.082 px
c = 0.738 px
xc = 5.446 px
yc = 5.873 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29477.3078
Standard deviation: 9.79884
R^2: 0.97428
Parameters:
a = 110.79276
b = 597.16349
c = 36.75957
d = 0.60503

Bead 1658

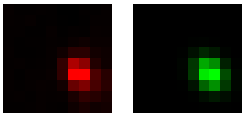
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

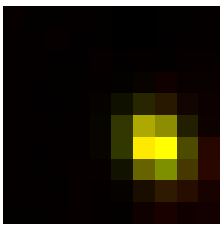
Coordinates : 30.7 um (x), -20.2 um (y), 37.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	432 nm	223 nm
max	529 nm	546 nm	223 nm
z	1.32 um	1.32 um	885 nm
Asymmetry	0.79		
Theta	-52.6°		

XY profile & fitting parameters :

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

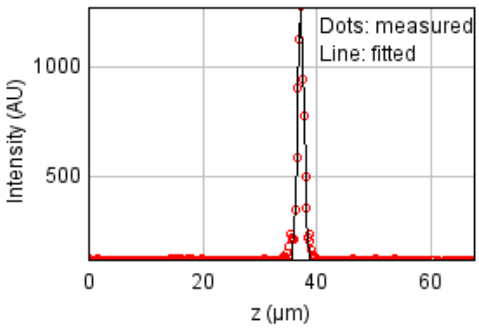




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 1325.231 (brightness)
B = 126.237 (background)
a = 0.662 px
b = -0.139 px
c = 0.587 px
xc = 6.552 px
yc = 5.904 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 78069.1298
Standard deviation: 15.94669
R^2: 0.98700
Parameters:
a = 114.78781
b = 1279.42314
c = 37.24751
d = 0.55852

Bead 1659

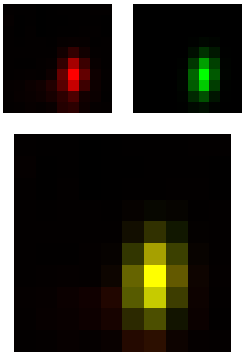
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -36.5 um (x), -37.4 um (y), 37.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	365 nm	377 nm	223 nm
max	625 nm	646 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.584		
Theta	83.6°		

XY profile & fitting parameters :

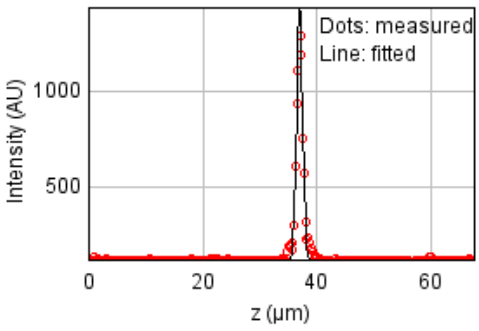
(red : the orignal data, green : the fit, yellow : the two merged)



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

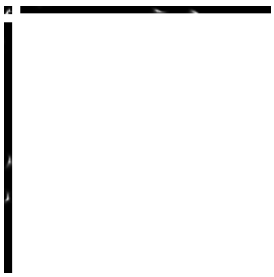
Parameters:
A = 1597.455 (brightness)
B = 128.550 (background)
a = 1.000 px
b = 0.074 px
c = 0.352 px
xc = 5.959 px
yc = 6.177 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 305644.417
Standard deviation: 31.55288
R^2: 0.96012
Parameters:
a = 115.86492
b = 1453.33095
c = 37.03830
d = 0.52495

Bead 1660



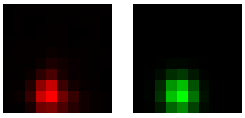
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 17.3 um (x), -78.3 um (y), 47.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	494 nm	511 nm	223 nm
max	543 nm	561 nm	223 nm
z	1.14 um	1.15 um	885 nm
Asymmetry	0.91		
Theta	-79.3°		

XY profile & fitting parameters :

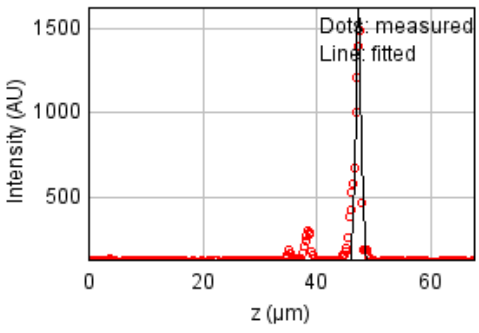
(red : the orignal data, green : the fit, yellow : the two merged)



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

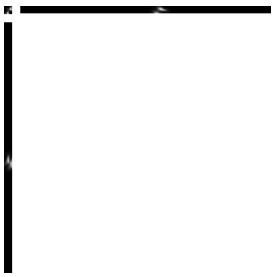
Parameters:
A = 1721.104 (brightness)
B = 126.262 (background)
a = 0.546 px
b = -0.017 px
c = 0.458 px
xc = 3.754 px
yc = 7.816 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1009328.78
Standard deviation: 57.33861
R^2: 0.89561
Parameters:
a = 123.56845
b = 1631.90678
c = 47.34129
d = 0.48470

Bead 1661 (Rejected)



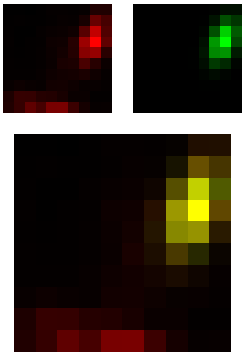
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -114 um (x), -89.1 um (y), 37.9 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	369 nm	382 nm	223 nm
max	670 nm	693 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.551		
Theta	69.8°		

XY profile & fitting parameters :

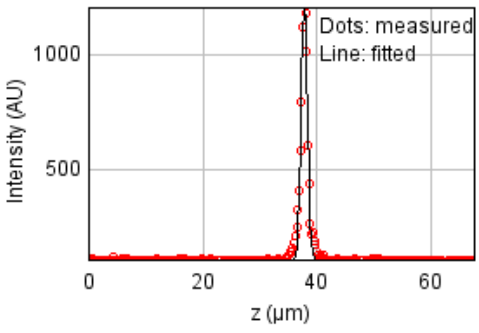
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.765

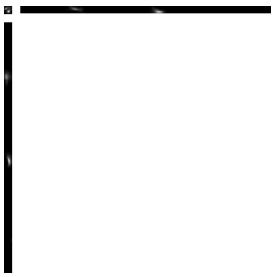
Parameters:
A = 1056.848 (brightness)
B = 172.767 (background)
a = 0.902 px
b = 0.222 px
c = 0.381 px
xc = 7.819 px
yc = 2.878 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 90193.8976
Standard deviation: 17.14034
R^2: 0.98305
Parameters:
a = 114.44884
b = 1200.39411
c = 37.87552
d = 0.56726

Bead 1662



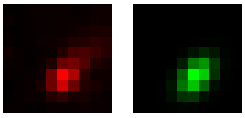
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

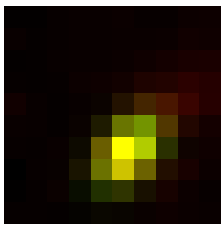
Coordinates : 132 um (x), 91.1 um (y), 37.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	422 nm	223 nm
max	633 nm	654 nm	223 nm
z	1.73 um	1.74 um	885 nm
Asymmetry	0.645		
Theta	50.2°		

XY profile & fitting parameters :

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

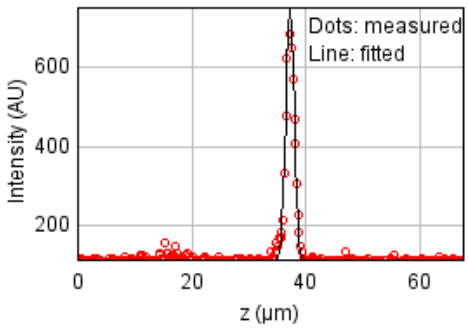




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.923

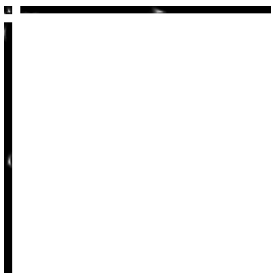
Parameters:
A = 682.345 (brightness)
B = 125.037 (background)
a = 0.612 px
b = 0.231 px
c = 0.528 px
xc = 5.268 px
yc = 6.125 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46641.1223
Standard deviation: 12.32581
R^2: 0.98062
Parameters:
a = 112.74358
b = 756.98494
c = 37.28738
d = 0.73389

Bead 1663



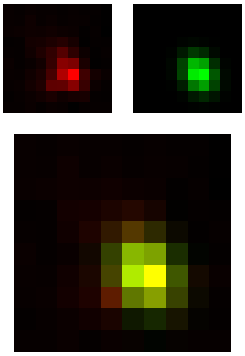
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -112 um (x), 87.6 um (y), 37.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	458 nm	473 nm	223 nm
max	576 nm	595 nm	223 nm
z	1.72 um	1.73 um	885 nm
Asymmetry	0.795		
Theta	-59.8°		

XY profile & fitting parameters :

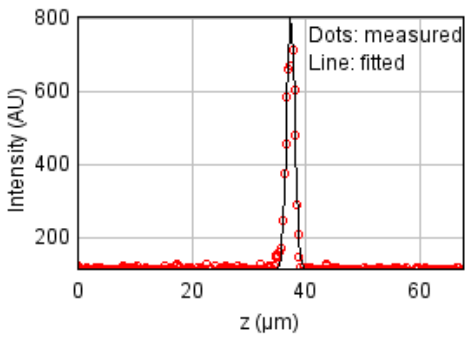
(red : the orignal data, green : the fit, yellow : the two merged)



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

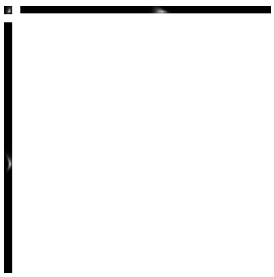
Parameters:
A = 639.019 (brightness)
B = 126.969 (background)
a = 0.581 px
b = -0.103 px
c = 0.465 px
xc = 5.551 px
yc = 5.889 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40329.8868
Standard deviation: 11.46158
R^2: 0.98540
Parameters:
a = 112.97572
b = 806.40149
c = 37.40777
d = 0.73075

Bead 1664



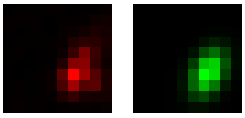
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

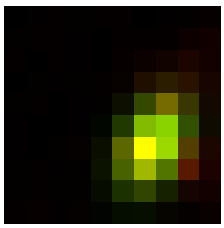
Coordinates : 44.7 um (x), 75.5 um (y), 38.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	470 nm	486 nm	223 nm
max	730 nm	754 nm	223 nm
z	1.62 um	1.62 um	885 nm
Asymmetry	0.645		
Theta	63.6°		

XY profile & fitting parameters :

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

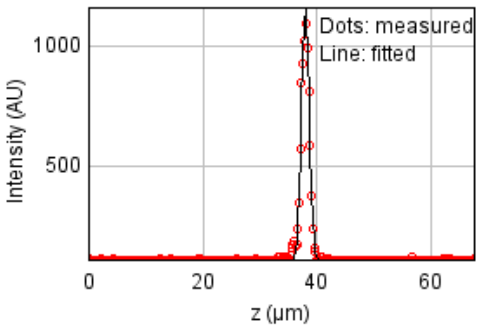




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.910

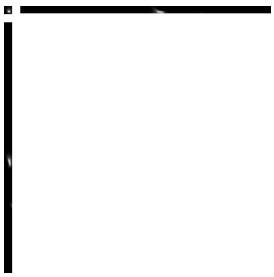
Parameters:
A = 907.520 (brightness)
B = 124.044 (background)
a = 0.537 px
b = 0.141 px
c = 0.322 px
xc = 6.394 px
yc = 5.814 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45969.6592
Standard deviation: 12.23676
R^2: 0.99210
Parameters:
a = 113.95788
b = 1154.92656
c = 38.07138
d = 0.68605

Bead 1665



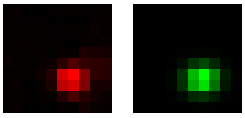
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

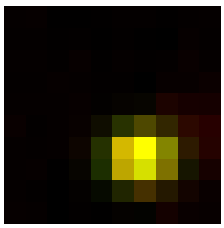
Coordinates : 137 um (x), 32.3 um (y), 37.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	452 nm	223 nm
max	523 nm	540 nm	223 nm
z	1.54 um	1.54 um	885 nm
Asymmetry	0.837		
Theta	4.1°		

XY profile & fitting parameters :

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

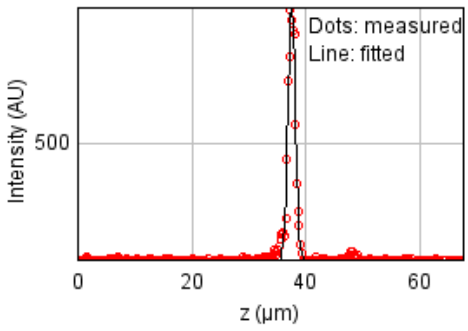




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

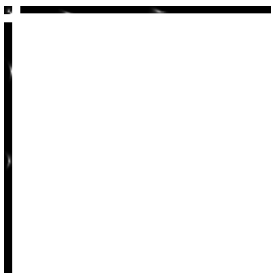
Parameters:
A = 925.552 (brightness)
B = 119.600 (background)
a = 0.492 px
b = 0.015 px
c = 0.701 px
xc = 5.823 px
yc = 6.409 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 99146.2766
Standard deviation: 17.97087
R^2: 0.97334
Parameters:
a = 111.89242
b = 955.80507
c = 37.57744
d = 0.65324

Bead 1666



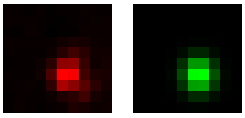
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

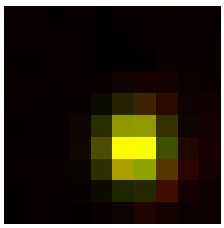
Coordinates : 46.1 um (x), 15.0 um (y), 37.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	477 nm	493 nm	223 nm
max	528 nm	546 nm	223 nm
z	1.68 um	1.69 um	885 nm
Asymmetry	0.903		
Theta	-87.1°		

XY profile & fitting parameters :

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

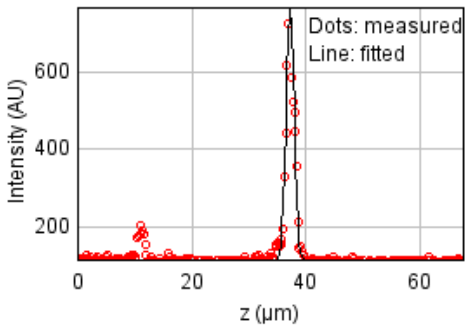




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

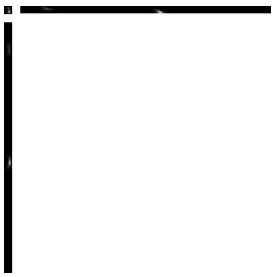
Parameters:
A = 787.924 (brightness)
B = 127.314 (background)
a = 0.590 px
b = -0.006 px
c = 0.481 px
xc = 5.518 px
yc = 6.034 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 116986.785
Standard deviation: 19.52087
R^2: 0.95293
Parameters:
a = 115.53577
b = 769.26201
c = 37.31107
d = 0.71465

Bead 1667



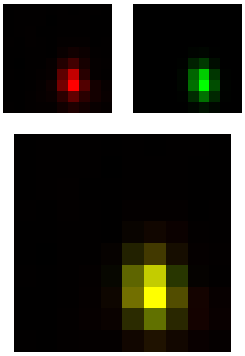
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -2.88 um (x), 2.05 um (y), 37.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	361 nm	374 nm	223 nm
max	512 nm	530 nm	223 nm
z	1.21 um	1.22 um	885 nm
Asymmetry	0.706		
Theta	-82.3°		

XY profile & fitting parameters :

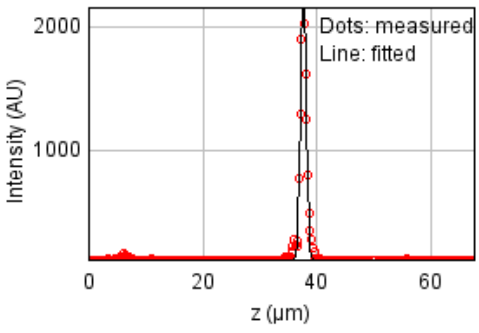
(red : the orignal data, green : the fit, yellow : the two merged)



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

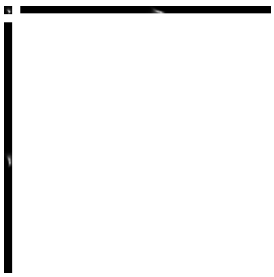
Parameters:
A = 2227.946 (brightness)
B = 127.672 (background)
a = 1.018 px
b = -0.069 px
c = 0.521 px
xc = 5.892 px
yc = 6.703 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 247768.775
Standard deviation: 28.40888
R^2: 0.98584
Parameters:
a = 118.97382
b = 2185.97715
c = 37.71424
d = 0.51518

Bead 1668



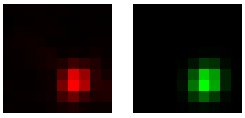
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

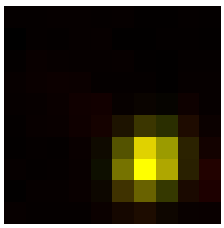
Coordinates : 134 um (x), -27.2 um (y), 37.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	450 nm	466 nm	223 nm
max	504 nm	521 nm	223 nm
z	1.54 um	1.55 um	885 nm
Asymmetry	0.895		
Theta	52.6°		

XY profile & fitting parameters :

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

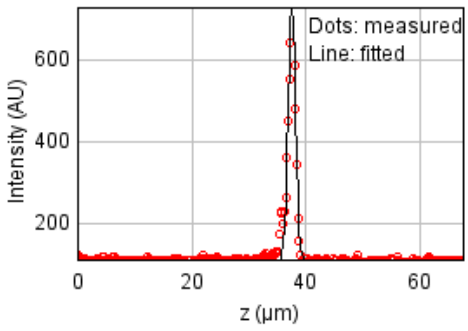




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

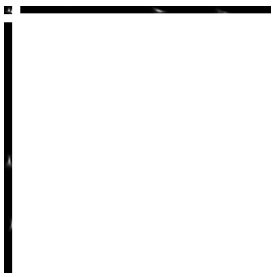
Parameters:
A = 696.405 (brightness)
B = 116.556 (background)
a = 0.613 px
b = 0.064 px
c = 0.578 px
xc = 6.189 px
yc = 6.651 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 84805.0770
Standard deviation: 16.62041
R^2: 0.95804
Parameters:
a = 112.13215
b = 728.61855
c = 37.61775
d = 0.65479

Bead 1669 (Rejected)



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

Coordinates : -30.4 um (x), -43.6 um (y), 54.8 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

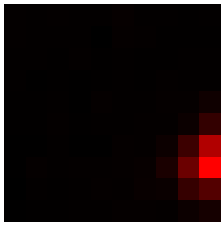
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	263 nm	264 nm	885 nm
Asymmetry	0.0		
Theta	0.0°		

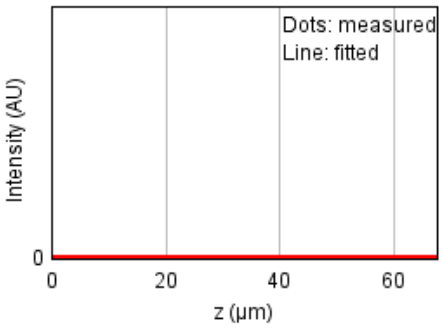
XY profile & fitting parameters :

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

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

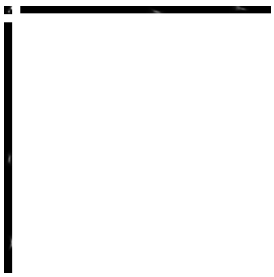
Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 0.00000E0
Standard deviation: 0.00000E0
R^2: 0.00000
Parameters:
a = 0.00000E0
b = 0.00000E0
c = -0.11115
d = 0.11151

Bead 1670



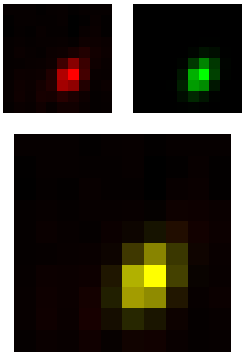
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -146 um (x), -43.4 um (y), 36.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	362 nm	375 nm	223 nm
max	528 nm	546 nm	223 nm
z	1.28 um	1.28 um	885 nm
Asymmetry	0.686		
Theta	57.7°		

XY profile & fitting parameters :

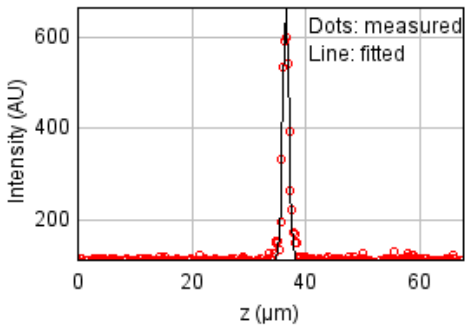
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 619.007 (brightness)
B = 114.876 (background)
a = 0.867 px
b = 0.244 px
c = 0.635 px
xc = 5.672 px
yc = 6.145 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29197.7518
Standard deviation: 9.75227
R^2: 0.97792
Parameters:
a = 112.80274
b = 664.77121
c = 36.56531
d = 0.54234

Bead 1671 (Rejected)

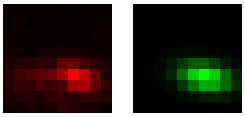
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

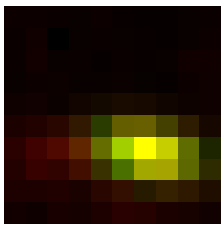
Coordinates : -71.7 um (x), -46.5 um (y), 38.6 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	432 nm	447 nm	223 nm
max	828 nm	856 nm	223 nm
z	1.34 um	1.35 um	885 nm
Asymmetry	0.522		
Theta	-10.7°		

XY profile & fitting parameters :

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

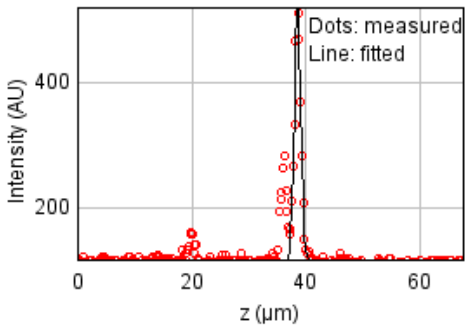




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.883

Parameters:
A = 460.094 (brightness)
B = 131.493 (background)
a = 0.214 px
b = -0.095 px
c = 0.701 px
xc = 6.089 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: 126198.973
Standard deviation: 20.27490
R^2: 0.85380
Parameters:
a = 117.93555
b = 524.88770
c = 38.61972
d = 0.56934

Bead 1672 (Rejected)

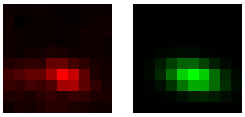
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

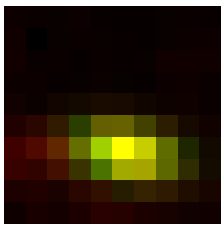
Coordinates : -71.7 um (x), -46.5 um (y), 38.6 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	452 nm	223 nm
max	833 nm	862 nm	223 nm
z	1.34 um	1.35 um	885 nm
Asymmetry	0.524		
Theta	-10.7°		

XY profile & fitting parameters :

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

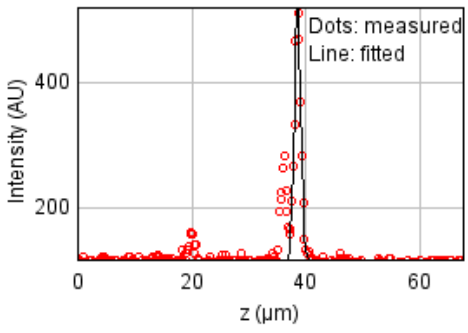




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.888

Parameters:
A = 460.384 (brightness)
B = 129.117 (background)
a = 0.211 px
b = -0.093 px
c = 0.685 px
xc = 5.081 px
yc = 6.214 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 126198.973
Standard deviation: 20.27490
R^2: 0.85380
Parameters:
a = 117.93555
b = 524.88770
c = 38.61972
d = 0.56934

Bead 1673

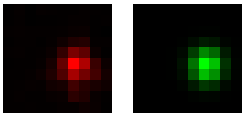
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

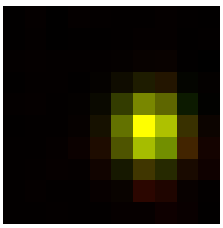
Coordinates : -8.09 um (x), -71.5 um (y), 37.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	496 nm	513 nm	223 nm
max	533 nm	551 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.93		
Theta	-89.4°		

XY profile & fitting parameters :

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

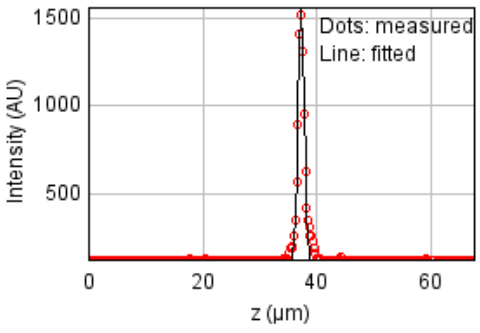




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 1334.594 (brightness)
B = 131.333 (background)
a = 0.546 px
b = -0.001 px
c = 0.472 px
xc = 6.244 px
yc = 5.178 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 154300.511
Standard deviation: 22.41891
R^2: 0.98339
Parameters:
a = 117.39558
b = 1589.15034
c = 37.29798
d = 0.53869

Bead 1674 (Rejected)

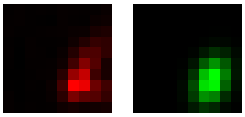
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

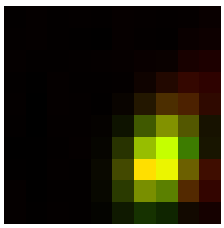
Coordinates : 61.1 um (x), 78.6 um (y), 38.3 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	492 nm	509 nm	223 nm
max	718 nm	743 nm	223 nm
z	1.94 um	1.95 um	885 nm
Asymmetry	0.685		
Theta	67.9°		

XY profile & fitting parameters :

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

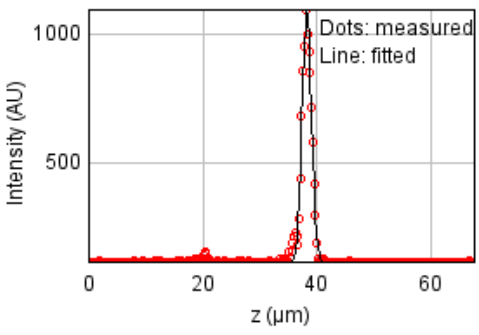




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.888

Parameters:
A = 926.881 (brightness)
B = 133.819 (background)
a = 0.512 px
b = 0.102 px
c = 0.302 px
xc = 6.682 px
yc = 6.535 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 96327.2882
Standard deviation: 17.71354
R^2: 0.98448
Parameters:
a = 115.07893
b = 1095.72505
c = 38.31460
d = 0.82399

Bead 1675

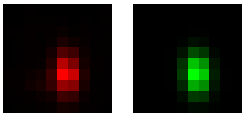
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

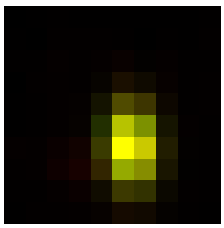
Coordinates : -36.7 um (x), 59.4 um (y), 37.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	629 nm	651 nm	223 nm
z	1.1 um	1.1 um	885 nm
Asymmetry	0.629		
Theta	-87.1°		

XY profile & fitting parameters :

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

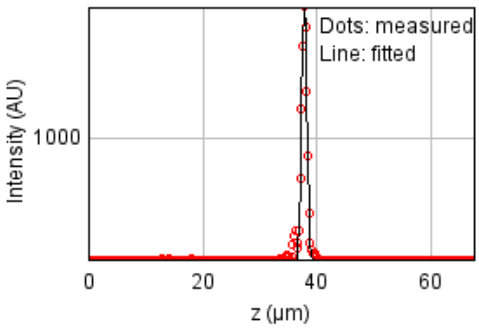




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

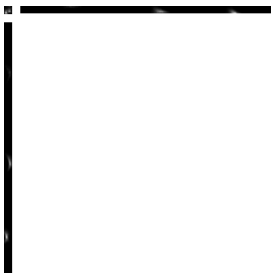
Parameters:
A = 1956.474 (brightness)
B = 132.259 (background)
a = 0.856 px
b = -0.027 px
c = 0.340 px
xc = 5.357 px
yc = 5.930 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 136798.120
Standard deviation: 21.10916
R^2: 0.98897
Parameters:
a = 116.64243
b = 1946.97876
c = 37.87563
d = 0.46571

Bead 1676



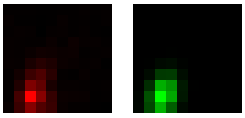
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 73.1 um (x), 56.3 um (y), 57.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	419 nm	223 nm
max	627 nm	648 nm	223 nm
z	1.35 um	1.36 um	885 nm
Asymmetry	0.647		
Theta	75.5°		

XY profile & fitting parameters :

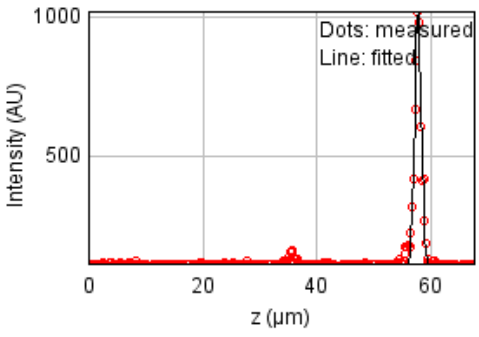
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 788.181 (brightness)
B = 133.506 (background)
a = 0.785 px
b = 0.115 px
c = 0.371 px
xc = 2.245 px
yc = 7.935 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 75819.1284
Standard deviation: 15.71521
R^2: 0.97997
Parameters:
a = 117.45737
b = 1027.34311
c = 57.76959
d = 0.57347

Bead 1677

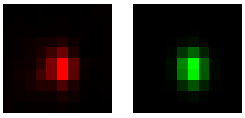
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

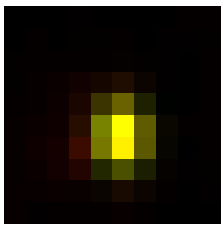
Coordinates : -106 um (x), 10.0 um (y), 37.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	411 nm	223 nm
max	510 nm	527 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.78		
Theta	-87.0°		

XY profile & fitting parameters :

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

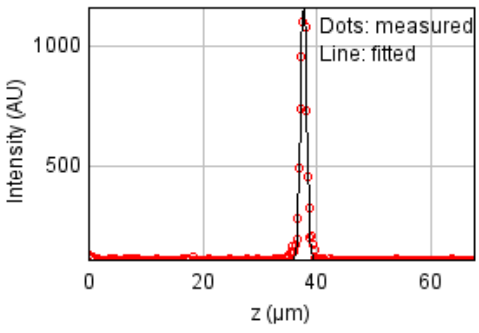




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 1187.183 (brightness)
B = 131.275 (background)
a = 0.848 px
b = -0.017 px
c = 0.517 px
xc = 4.898 px
yc = 5.436 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44426.0293
Standard deviation: 12.02955
R^2: 0.99082
Parameters:
a = 113.50363
b = 1173.93875
c = 37.74836
d = 0.54500

Bead 1678

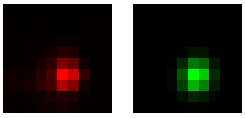
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

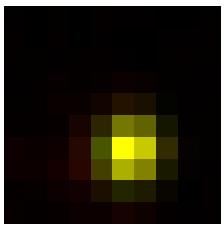
Coordinates : -97.0 um (x), 3.27 um (y), 37.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	461 nm	223 nm
max	488 nm	504 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.914		
Theta	72.6°		

XY profile & fitting parameters :

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

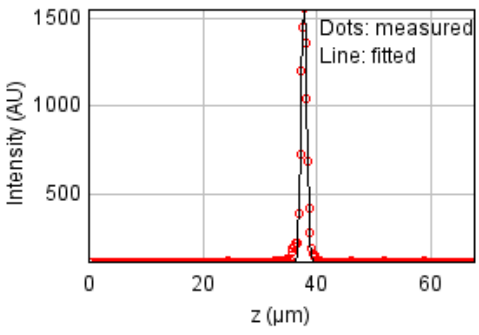




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 1504.849 (brightness)
B = 136.444 (background)
a = 0.665 px
b = 0.032 px
c = 0.574 px
xc = 5.311 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: 68708.8135
Standard deviation: 14.96019
R^2: 0.99168
Parameters:
a = 115.28641
b = 1548.39362
c = 37.81649
d = 0.50818

Bead 1679

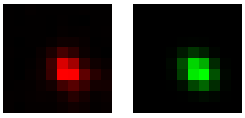
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

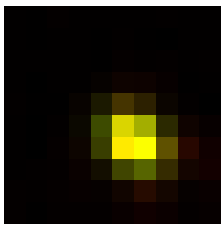
Coordinates : 14.6 um (x), -16.7 um (y), 38.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	427 nm	223 nm
max	523 nm	540 nm	223 nm
z	1.56 um	1.56 um	885 nm
Asymmetry	0.79		
Theta	-41.3°		

XY profile & fitting parameters :

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

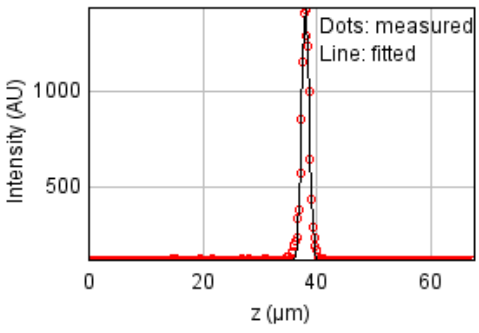




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1575.006 (brightness)
B = 128.709 (background)
a = 0.620 px
b = -0.147 px
c = 0.658 px
xc = 5.498 px
yc = 5.682 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 59419.0200
Standard deviation: 13.91213
R^2: 0.99350
Parameters:
a = 114.08944
b = 1443.75089
c = 38.08657
d = 0.66089

Bead 1680

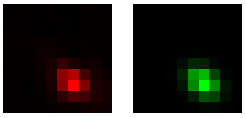
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

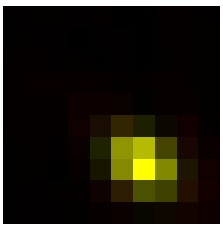
Coordinates : 127 um (x), -54.5 um (y), 37.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	534 nm	552 nm	223 nm
z	1.38 um	1.39 um	885 nm
Asymmetry	0.729		
Theta	-37.8°		

XY profile & fitting parameters :

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

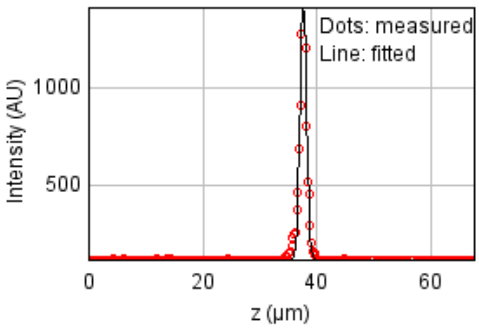




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 1345.661 (brightness)
B = 124.774 (background)
a = 0.625 px
b = -0.201 px
c = 0.729 px
xc = 5.901 px
yc = 6.689 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 104486.667
Standard deviation: 18.44851
R^2: 0.98684
Parameters:
a = 112.84999
b = 1420.58061
c = 37.68855
d = 0.58652

Bead 1681

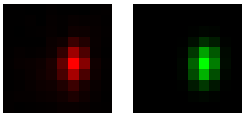
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

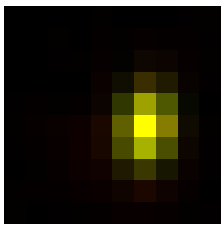
Coordinates : -98.1 um (x), -72.2 um (y), 37.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	410 nm	223 nm
max	577 nm	596 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.687		
Theta	83.4°		

XY profile & fitting parameters :

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

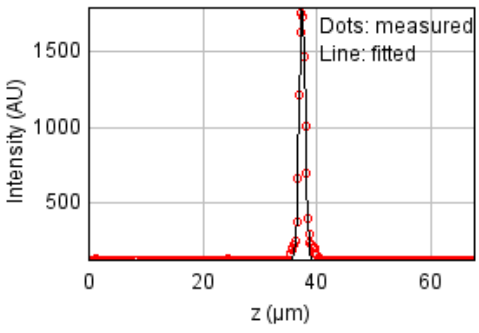




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

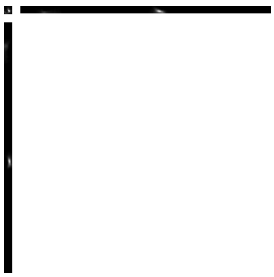
Parameters:
A = 1598.344 (brightness)
B = 134.353 (background)
a = 0.848 px
b = 0.051 px
c = 0.409 px
xc = 6.074 px
yc = 5.046 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 95510.2706
Standard deviation: 17.63826
R^2: 0.99213
Parameters:
a = 114.98482
b = 1815.81262
c = 37.48301
d = 0.53149

Bead 1682



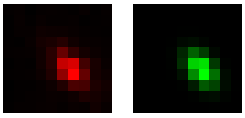
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

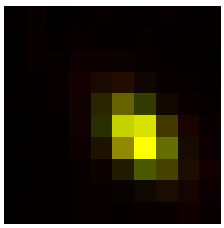
Coordinates : 121 um (x), -82.4 um (y), 37.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	376 nm	389 nm	223 nm
max	594 nm	615 nm	223 nm
z	1.53 um	1.53 um	885 nm
Asymmetry	0.633		
Theta	-51.5°		

XY profile & fitting parameters :

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

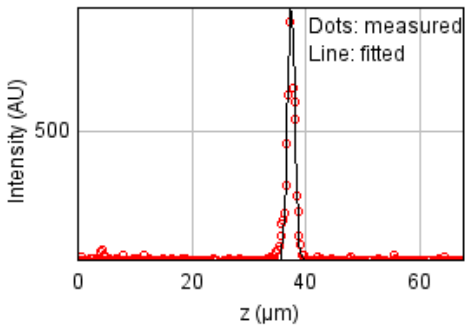




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

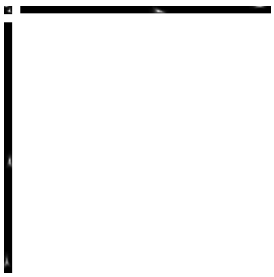
Parameters:
A = 897.222 (brightness)
B = 121.228 (background)
a = 0.727 px
b = -0.276 px
c = 0.600 px
xc = 5.729 px
yc = 5.484 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 74647.3135
Standard deviation: 15.59330
R^2: 0.97514
Parameters:
a = 112.86751
b = 874.46178
c = 37.48105
d = 0.64856

Bead 1683



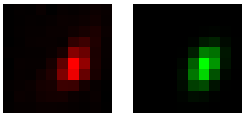
Date : Mon Oct 17 13:29:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

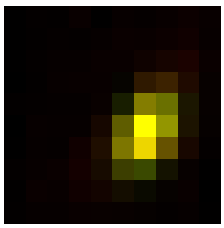
Coordinates : -145 um (x), -90.3 um (y), 37.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	626 nm	648 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.624		
Theta	63.8°		

XY profile & fitting parameters :

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

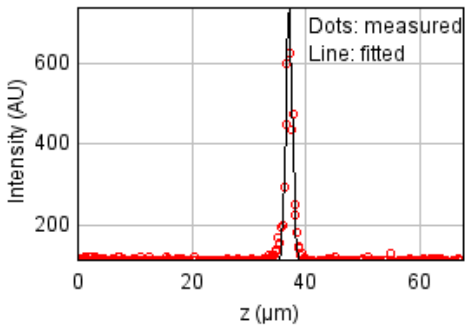




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 713.065 (brightness)
B = 121.257 (background)
a = 0.773 px
b = 0.212 px
c = 0.447 px
xc = 6.086 px
yc = 5.261 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 52730.2929
Standard deviation: 13.10572
R^2: 0.97084
Parameters:
a = 111.91843
b = 741.58564
c = 37.12166
d = 0.56635

Bead 1684

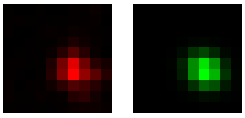
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

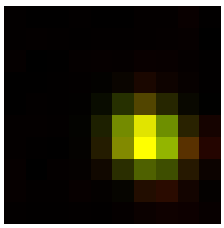
Coordinates : 37.2 um (x), -93.6 um (y), 37.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	482 nm	498 nm	223 nm
max	550 nm	569 nm	223 nm
z	1.55 um	1.56 um	885 nm
Asymmetry	0.875		
Theta	-32.5°		

XY profile & fitting parameters :

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

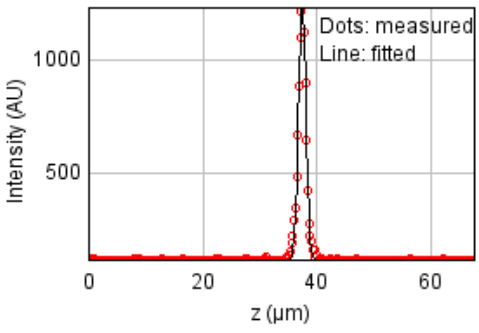




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 1093.268 (brightness)
B = 126.502 (background)
a = 0.483 px
b = -0.061 px
c = 0.539 px
xc = 6.094 px
yc = 5.616 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40266.9421
Standard deviation: 11.45263
R^2: 0.99382
Parameters:
a = 114.34964
b = 1238.59713
c = 37.49697
d = 0.65852

Bead 1685

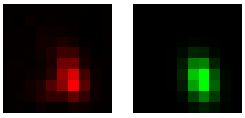
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

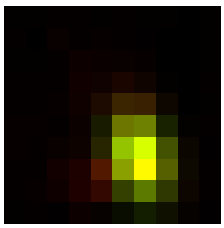
Coordinates : -83.4 um (x), 80.4 um (y), 38.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	430 nm	445 nm	223 nm
max	637 nm	659 nm	223 nm
z	1.49 um	1.5 um	885 nm
Asymmetry	0.675		
Theta	-76.1°		

XY profile & fitting parameters :

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

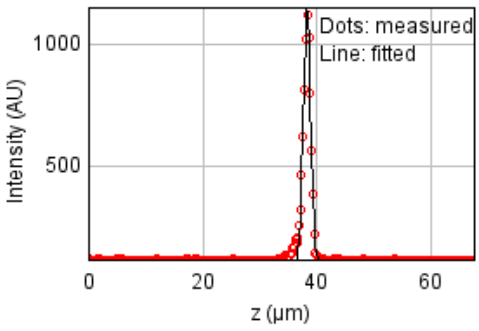




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.937

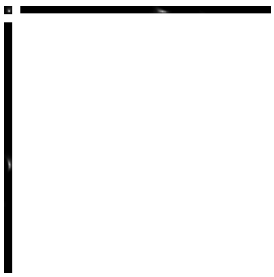
Parameters:
A = 1033.375 (brightness)
B = 135.692 (background)
a = 0.702 px
b = -0.092 px
c = 0.353 px
xc = 5.741 px
yc = 6.401 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45062.4836
Standard deviation: 12.11542
R^2: 0.99169
Parameters:
a = 114.09313
b = 1157.70107
c = 38.35657
d = 0.63389

Bead 1686



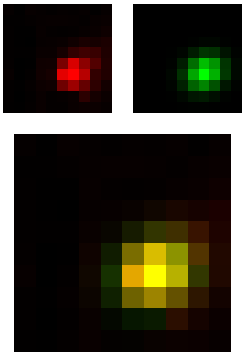
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 116 um (x), 40.3 um (y), 38.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	510 nm	528 nm	223 nm
max	606 nm	627 nm	223 nm
z	1.55 um	1.55 um	885 nm
Asymmetry	0.842		
Theta	27.6°		

XY profile & fitting parameters :

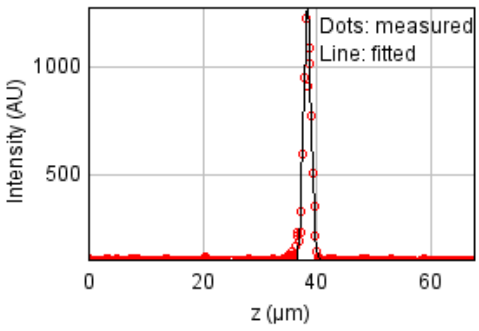
(red : the orignal data, green : the fit, yellow : the two merged)



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

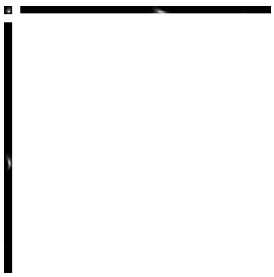
Parameters:
A = 870.202 (brightness)
B = 118.678 (background)
a = 0.397 px
b = 0.061 px
c = 0.483 px
xc = 6.064 px
yc = 5.806 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 339919.976
Standard deviation: 33.27508
R^2: 0.95324
Parameters:
a = 113.56556
b = 1278.40296
c = 38.41130
d = 0.65641

Bead 1687



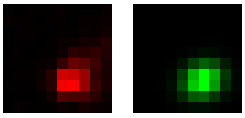
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

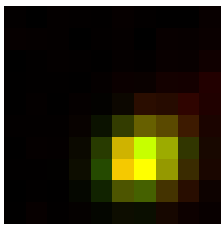
Coordinates : 103 um (x), 37.1 um (y), 38.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	512 nm	529 nm	223 nm
max	617 nm	638 nm	223 nm
z	1.45 um	1.45 um	885 nm
Asymmetry	0.829		
Theta	23.2°		

XY profile & fitting parameters :

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

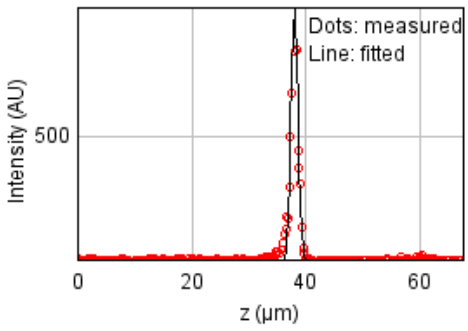




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.929

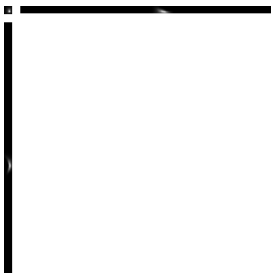
Parameters:
A = 710.613 (brightness)
B = 119.805 (background)
a = 0.377 px
b = 0.058 px
c = 0.488 px
xc = 5.893 px
yc = 6.514 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 133616.876
Standard deviation: 20.86227
R^2: 0.95764
Parameters:
a = 114.26701
b = 908.49524
c = 38.09656
d = 0.61417

Bead 1688



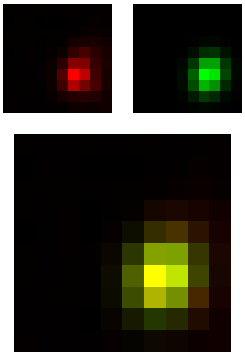
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 66.1 um (x), 19.4 um (y), 38.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	488 nm	505 nm	223 nm
max	589 nm	609 nm	223 nm
z	1.6 um	1.61 um	885 nm
Asymmetry	0.829		
Theta	70.5°		

XY profile & fitting parameters :

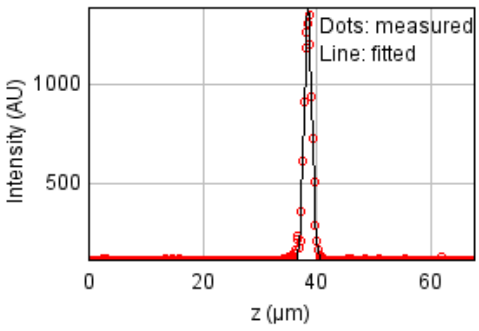
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1147.309 (brightness)
B = 126.536 (background)
a = 0.543 px
b = 0.055 px
c = 0.406 px
xc = 6.398 px
yc = 6.014 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61596.8003
Standard deviation: 14.16478
R^2: 0.99295
Parameters:
a = 113.38960
b = 1394.26360
c = 38.53906
d = 0.68076

Bead 1689

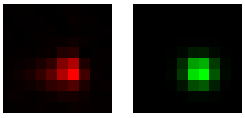
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

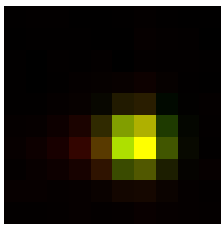
Coordinates : -55.5 um (x), 14.6 um (y), 38.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	431 nm	446 nm	223 nm
max	470 nm	486 nm	223 nm
z	1.34 um	1.35 um	885 nm
Asymmetry	0.918		
Theta	-5.5°		

XY profile & fitting parameters :

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

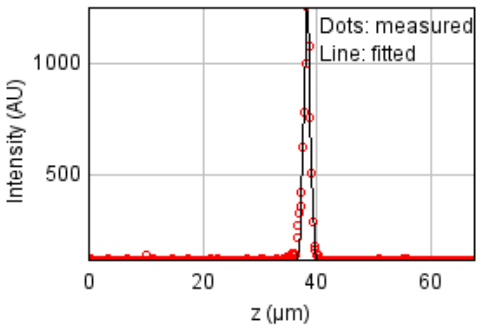




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.941

Parameters:
A = 1159.127 (brightness)
B = 127.437 (background)
a = 0.608 px
b = -0.011 px
c = 0.720 px
xc = 5.603 px
yc = 5.752 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 132271.388
Standard deviation: 20.75696
R^2: 0.97775
Parameters:
a = 114.92815
b = 1257.55822
c = 38.36181
d = 0.56957

Bead 1690

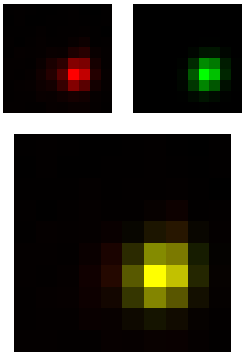
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -122 um (x), -33.6 um (y), 37.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	429 nm	444 nm	223 nm
max	483 nm	500 nm	223 nm
z	1.18 um	1.19 um	885 nm
Asymmetry	0.888		
Theta	52.0°		

XY profile & fitting parameters :

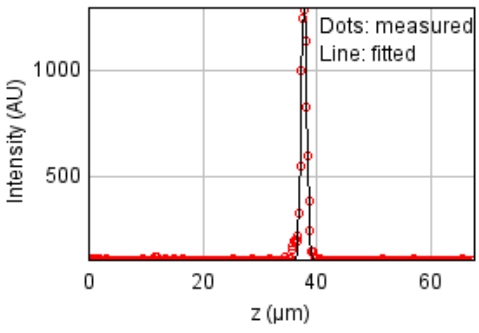
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1217.645 (brightness)
B = 122.325 (background)
a = 0.670 px
b = 0.075 px
c = 0.633 px
xc = 6.294 px
yc = 5.948 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 62388.1421
Standard deviation: 14.25548
R^2: 0.98871
Parameters:
a = 113.67728
b = 1291.82054
c = 37.82030
d = 0.50161

Bead 1691

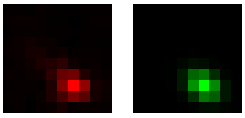
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

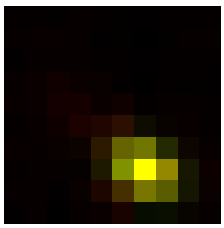
Coordinates : -154 um (x), 92.0 um (y), 38.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	535 nm	553 nm	223 nm
z	1.45 um	1.45 um	885 nm
Asymmetry	0.722		
Theta	-32.9°		

XY profile & fitting parameters :

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

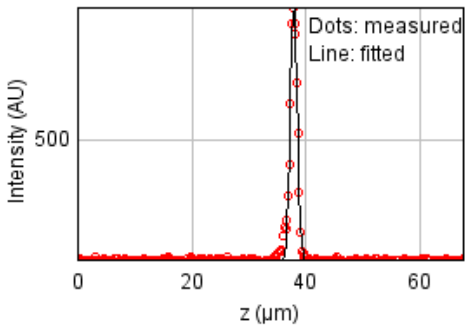




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

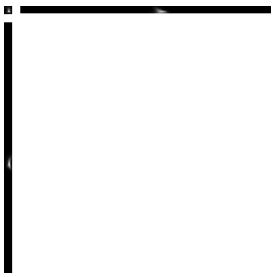
Parameters:
A = 736.313 (brightness)
B = 121.256 (background)
a = 0.597 px
b = -0.197 px
c = 0.773 px
xc = 5.967 px
yc = 6.991 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 43136.8105
Standard deviation: 11.85372
R^2: 0.98686
Parameters:
a = 111.09283
b = 933.80621
c = 37.96410
d = 0.61367

Bead 1692



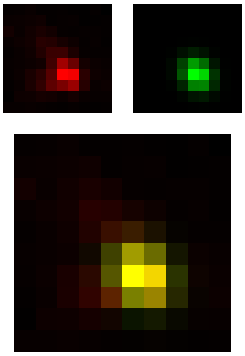
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -117 um (x), 85.1 um (y), 38.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	433 nm	447 nm	223 nm
max	514 nm	532 nm	223 nm
z	1.96 um	1.96 um	885 nm
Asymmetry	0.841		
Theta	-50.5°		

XY profile & fitting parameters :

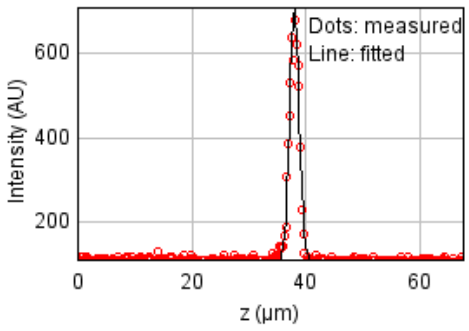
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 653.532 (brightness)
B = 128.352 (background)
a = 0.633 px
b = -0.103 px
c = 0.592 px
xc = 5.358 px
yc = 5.978 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44814.7448
Standard deviation: 12.08207
R^2: 0.98075
Parameters:
a = 111.35669
b = 708.52689
c = 38.07642
d = 0.83071

Bead 1693

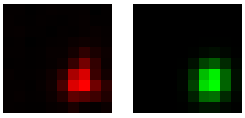
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

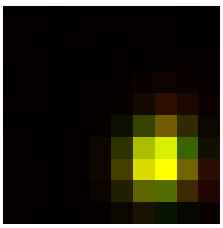
Coordinates : 15.1 um (x), 70.0 um (y), 38.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	488 nm	504 nm	223 nm
max	552 nm	570 nm	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.884		
Theta	70.0°		

XY profile & fitting parameters :

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

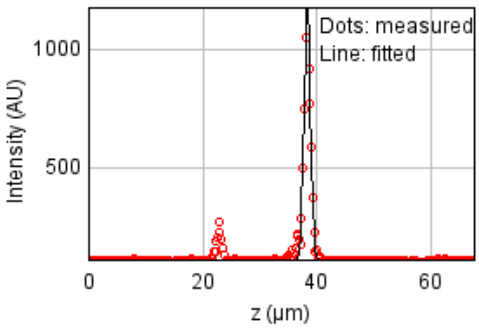




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

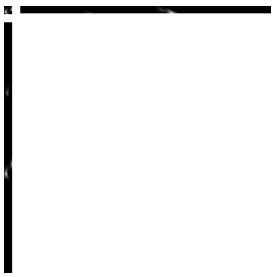
Parameters:
A = 1173.727 (brightness)
B = 123.076 (background)
a = 0.549 px
b = 0.040 px
c = 0.455 px
xc = 6.668 px
yc = 6.604 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 145943.400
Standard deviation: 21.80334
R^2: 0.97185
Parameters:
a = 118.02464
b = 1187.98196
c = 38.39812
d = 0.56292

Bead 1694



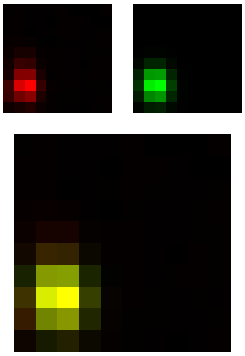
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -49.6 um (x), 60.1 um (y), 40.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	439 nm	223 nm
max	515 nm	533 nm	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.824		
Theta	-84.6°		

XY profile & fitting parameters :

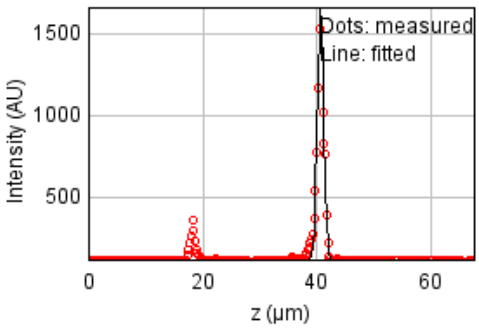
(red : the orignal data, green : the fit, yellow : the two merged)



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

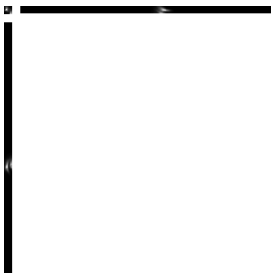
Parameters:
A = 1710.833 (brightness)
B = 125.033 (background)
a = 0.742 px
b = -0.022 px
c = 0.508 px
xc = 1.549 px
yc = 6.953 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 380097.625
Standard deviation: 35.18669
R^2: 0.96505
Parameters:
a = 119.99765
b = 1664.37966
c = 40.71809
d = 0.56277

Bead 1695 (Rejected)



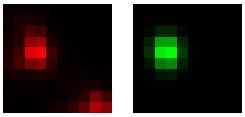
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

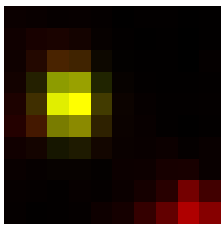
Coordinates : -111 um (x), 59.2 um (y), 38.7 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	430 nm	223 nm
max	500 nm	517 nm	223 nm
z	1.64 um	1.65 um	885 nm
Asymmetry	0.833		
Theta	-85.3°		

XY profile & fitting parameters :

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

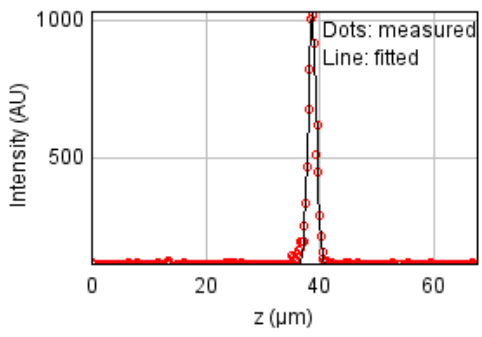




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.685

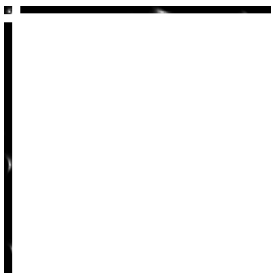
Parameters:
A = 999.872 (brightness)
B = 169.464 (background)
a = 0.772 px
b = -0.019 px
c = 0.539 px
xc = 2.545 px
yc = 3.912 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 87441.4447
Standard deviation: 16.87678
R^2: 0.98132
Parameters:
a = 114.11826
b = 1035.31869
c = 38.74836
d = 0.69737

Bead 1696



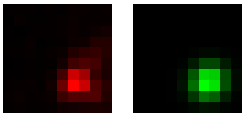
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

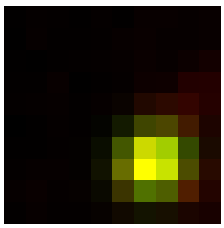
Coordinates : 78.6 um (x), 43.2 um (y), 38.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	508 nm	525 nm	223 nm
max	542 nm	561 nm	223 nm
z	1.95 um	1.96 um	885 nm
Asymmetry	0.937		
Theta	43.2°		

XY profile & fitting parameters :

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

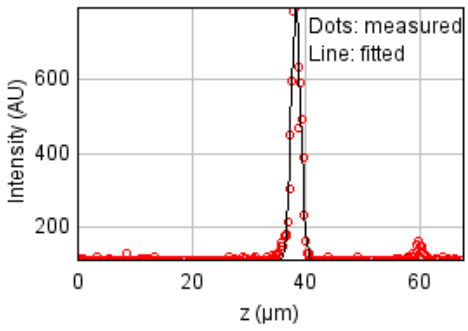




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.923

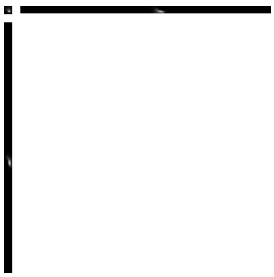
Parameters:
A = 705.568 (brightness)
B = 126.376 (background)
a = 0.486 px
b = 0.032 px
c = 0.490 px
xc = 6.400 px
yc = 6.641 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 129939.352
Standard deviation: 20.57317
R^2: 0.95753
Parameters:
a = 113.46431
b = 790.97183
c = 38.33314
d = 0.82805

Bead 1697



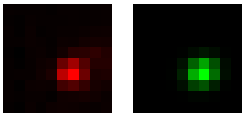
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

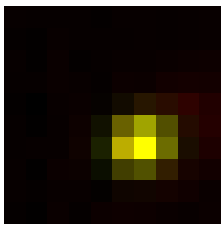
Coordinates : 124 um (x), 29.7 um (y), 37.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	418 nm	223 nm
max	471 nm	487 nm	223 nm
z	1.39 um	1.39 um	885 nm
Asymmetry	0.858		
Theta	18.8°		

XY profile & fitting parameters :

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

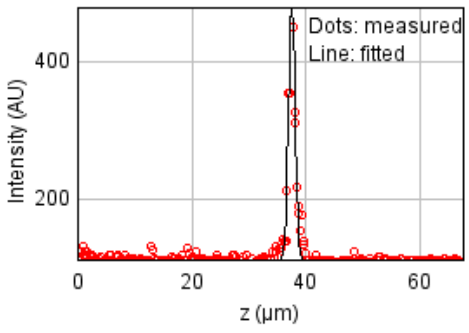




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

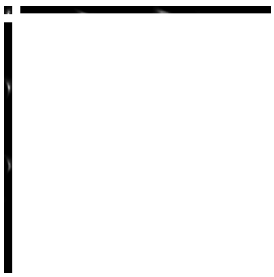
Parameters:
A = 637.848 (brightness)
B = 120.111 (background)
a = 0.626 px
b = 0.066 px
c = 0.797 px
xc = 5.833 px
yc = 5.790 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31184.4827
Standard deviation: 10.07860
R^2: 0.95172
Parameters:
a = 112.97894
b = 478.29880
c = 37.60085
d = 0.58993

Bead 1698 (Rejected)



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

Coordinates : 81.8 um (x), 26.0 um (y), 17.5 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

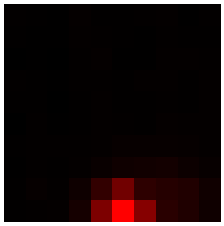
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.51 um	1.51 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

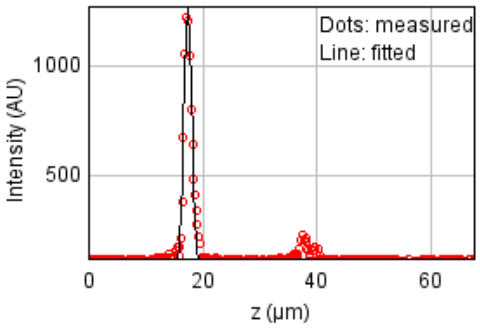
XY profile & fitting parameters :

(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: 235893.436
Standard deviation: 27.71971
R^2: 0.96627
Parameters:
a = 120.07649
b = 1284.11476
c = 17.46788
d = 0.64055

Bead 1699

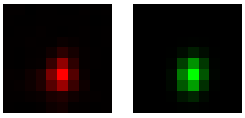
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

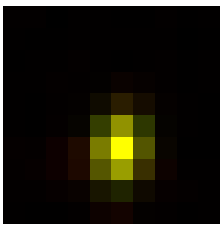
Coordinates : -30.6 um (x), 21.8 um (y), 38.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	394 nm	223 nm
max	512 nm	529 nm	223 nm
z	1.05 um	1.05 um	885 nm
Asymmetry	0.744		
Theta	81.5°		

XY profile & fitting parameters :

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

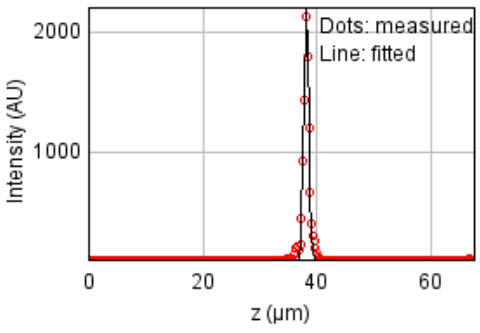




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 2101.534 (brightness)
B = 132.198 (background)
a = 0.915 px
b = 0.060 px
c = 0.521 px
xc = 4.894 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: 147843.688
Standard deviation: 21.94483
R^2: 0.99040
Parameters:
a = 116.62571
b = 2206.16870
c = 38.23116
d = 0.44382

Bead 1700

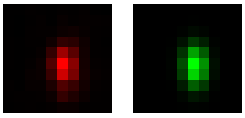
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

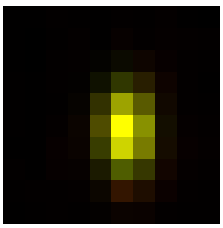
Coordinates : -17.3 um (x), 21.1 um (y), 37.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	401 nm	223 nm
max	648 nm	670 nm	223 nm
z	1.11 um	1.12 um	885 nm
Asymmetry	0.598		
Theta	-88.8°		

XY profile & fitting parameters :

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

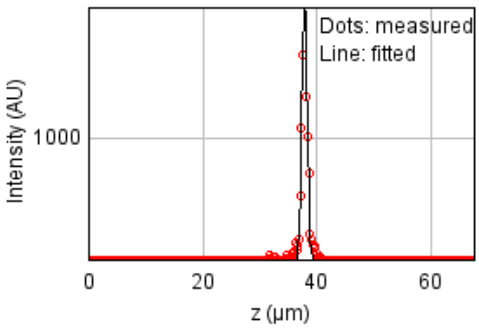




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1904.788 (brightness)
B = 130.975 (background)
a = 0.893 px
b = -0.012 px
c = 0.319 px
xc = 5.186 px
yc = 5.214 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 200463.508
Standard deviation: 25.55339
R^2: 0.98452
Parameters:
a = 117.54088
b = 1972.08761
c = 37.93280
d = 0.47171