Bead 1801

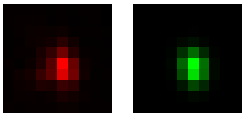
Date : Mon Oct 17 13:29:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

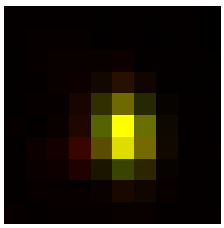
Coordinates : -62.0 um (x), 52.3 um (y), 39.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	516 nm	533 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.749		
Theta	-81.6°		

XY profile & fitting parameters :

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

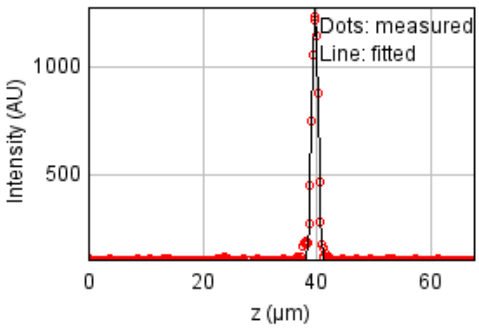




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

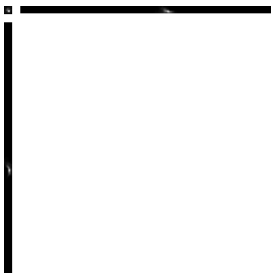
Parameters:
A = 1163.123 (brightness)
B = 128.085 (background)
a = 0.892 px
b = -0.057 px
c = 0.513 px
xc = 5.048 px
yc = 5.363 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47075.6057
Standard deviation: 12.38308
R^2: 0.99162
Parameters:
a = 114.01840
b = 1281.73962
c = 39.73715
d = 0.52104

Bead 1802



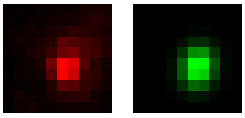
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

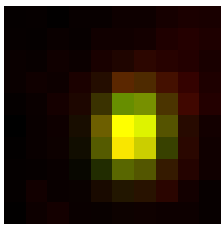
Coordinates : 126 um (x), 45.9 um (y), 39.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	507 nm	524 nm	223 nm
max	626 nm	647 nm	223 nm
z	1.11 um	1.12 um	885 nm
Asymmetry	0.81		
Theta	79.6°		

XY profile & fitting parameters :

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

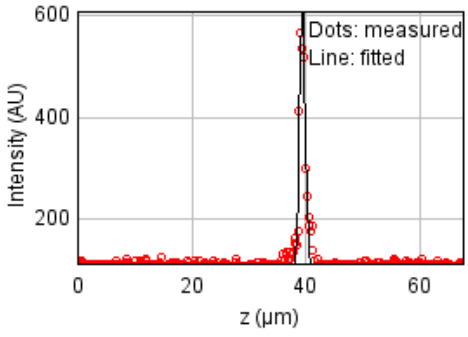




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.915

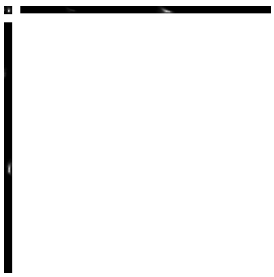
Parameters:
A = 444.102 (brightness)
B = 127.582 (background)
a = 0.516 px
b = 0.032 px
c = 0.348 px
xc = 5.436 px
yc = 5.307 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53385.8415
Standard deviation: 13.18693
R^2: 0.94670
Parameters:
a = 112.43084
b = 618.07016
c = 39.47628
d = 0.47201

Bead 1803



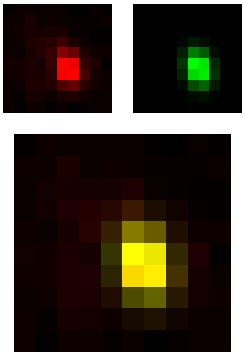
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -143 um (x), 43.0 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	560 nm	579 nm	223 nm
z	1.55 um	1.56 um	885 nm
Asymmetry	0.707		
Theta	-76.7°		

XY profile & fitting parameters :

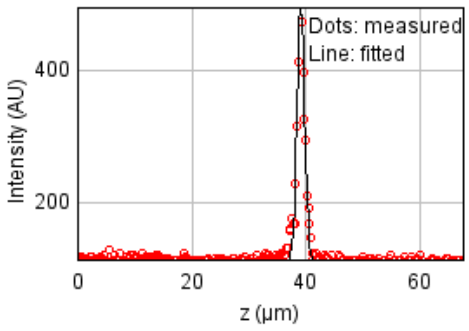
(red : the orignal data, green : the fit, yellow : the two merged)



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

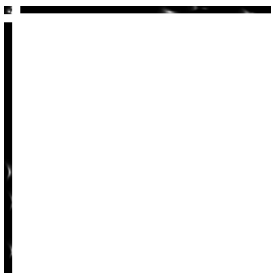
Parameters:
A = 563.968 (brightness)
B = 120.667 (background)
a = 0.834 px
b = -0.096 px
c = 0.451 px
xc = 5.488 px
yc = 5.424 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23930.2663
Standard deviation: 8.82886
R^2: 0.96945
Parameters:
a = 111.87935
b = 496.90618
c = 39.18749
d = 0.65859

Bead 1804 (Rejected)



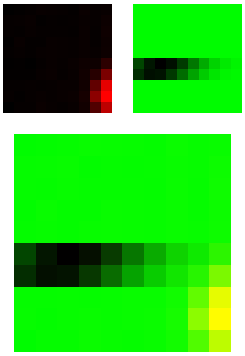
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 86.2 um (x), 39.9 um (y), 61.6 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	125 nm	130 nm	223 nm
max	1.35 um	1.39 um	223 nm
z	263 nm	264 nm	885 nm
Asymmetry	0.093		
Theta	0.4°		

XY profile & fitting parameters :

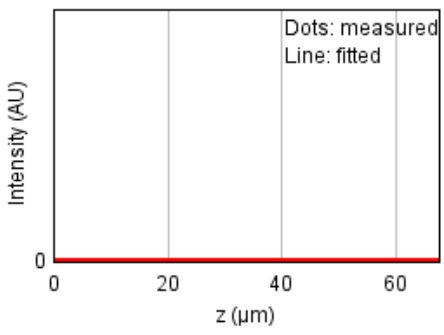
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.024

Parameters:
A = -553.247 (brightness)
B = 163.025 (background)
a = 0.074 px
b = 0.054 px
c = 8.538 px
xc = 1.751 px
yc = 5.497 px

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 1805

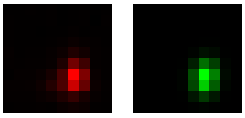
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

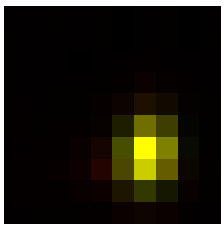
Coordinates : -46.4 um (x), 23.5 um (y), 40.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	376 nm	389 nm	223 nm
max	506 nm	523 nm	223 nm
z	1.03 um	1.04 um	885 nm
Asymmetry	0.744		
Theta	82.3°		

XY profile & fitting parameters :

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

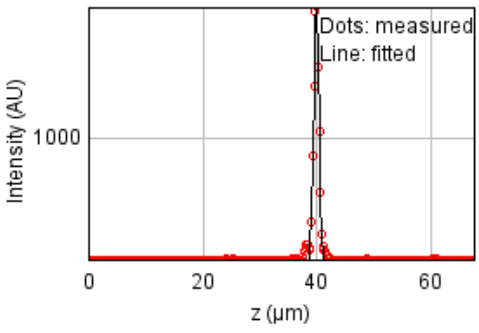




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1930.330 (brightness)
B = 128.899 (background)
a = 0.940 px
b = 0.056 px
c = 0.533 px
xc = 6.116 px
yc = 6.279 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 94891.9288
Standard deviation: 17.58108
R^2: 0.99206
Parameters:
a = 117.72701
b = 1971.64508
c = 39.96762
d = 0.43829

Bead 1806

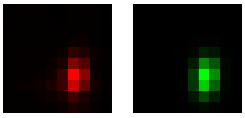
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

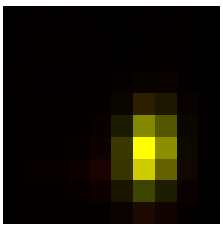
Coordinates : -35.4 um (x), 11.2 um (y), 39.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	355 nm	367 nm	223 nm
max	563 nm	582 nm	223 nm
z	1.08 um	1.08 um	885 nm
Asymmetry	0.63		
Theta	83.5°		

XY profile & fitting parameters :

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

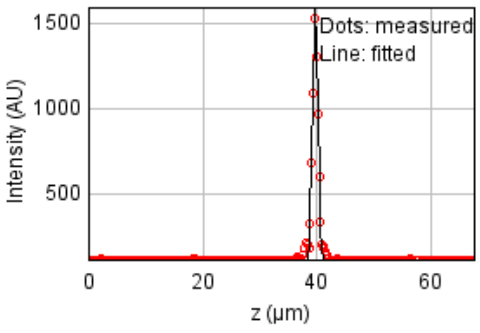




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.989

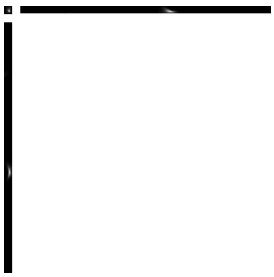
Parameters:
A = 1579.085 (brightness)
B = 125.497 (background)
a = 1.059 px
b = 0.073 px
c = 0.431 px
xc = 6.203 px
yc = 6.200 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 77000.2439
Standard deviation: 15.83714
R^2: 0.99041
Parameters:
a = 114.59618
b = 1600.91513
c = 39.78579
d = 0.45796

Bead 1807



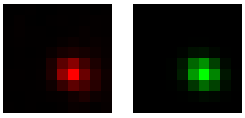
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

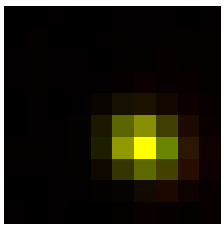
Coordinates : 72.8 um (x), -5.03 um (y), 40.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	432 nm	223 nm
max	497 nm	513 nm	223 nm
z	1.44 um	1.44 um	885 nm
Asymmetry	0.842		
Theta	-24.3°		

XY profile & fitting parameters :

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

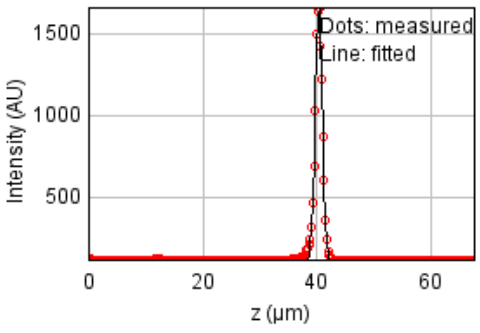




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 1463.401 (brightness)
B = 129.219 (background)
a = 0.582 px
b = -0.084 px
c = 0.730 px
xc = 5.925 px
yc = 5.884 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 60389.2203
Standard deviation: 14.02525
R^2: 0.99479
Parameters:
a = 114.74865
b = 1670.66182
c = 40.40881
d = 0.61054

Bead 1808

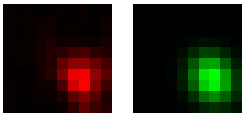
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

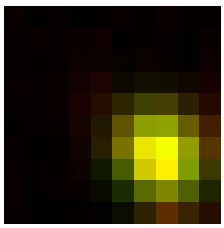
Coordinates : 135 um (x), -22.3 um (y), 39.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	646 nm	668 nm	223 nm
max	756 nm	782 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.854		
Theta	-60.3°		

XY profile & fitting parameters :

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

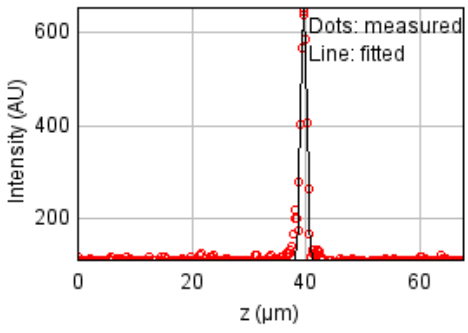




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 586.638 (brightness)
B = 122.335 (background)
a = 0.300 px
b = -0.037 px
c = 0.256 px
xc = 6.719 px
yc = 6.341 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 42453.4344
Standard deviation: 11.75946
R^2: 0.96578
Parameters:
a = 112.53427
b = 663.09591
c = 39.70424
d = 0.50398

Bead 1809

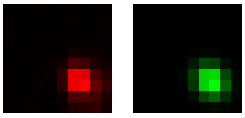
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

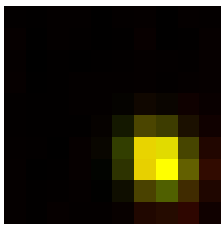
Coordinates : 57.6 um (x), -39.3 um (y), 40.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	448 nm	463 nm	223 nm
max	521 nm	539 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.86		
Theta	-49.4°		

XY profile & fitting parameters :

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

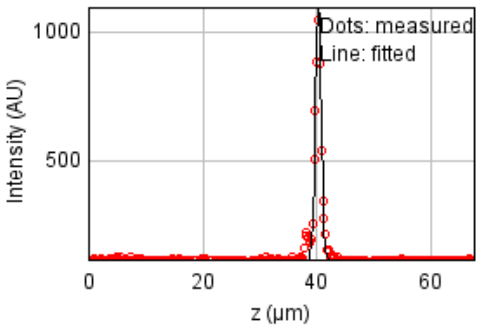




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

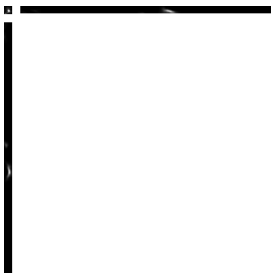
Parameters:
A = 1128.378 (brightness)
B = 120.511 (background)
a = 0.594 px
b = -0.086 px
c = 0.567 px
xc = 6.613 px
yc = 6.578 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 95317.1616
Standard deviation: 17.62042
R^2: 0.97588
Parameters:
a = 116.14992
b = 1103.13112
c = 40.33559
d = 0.50463

Bead 1810



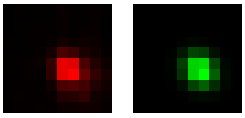
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

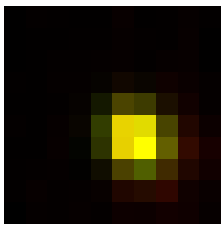
Coordinates : 57.6 um (x), -39.3 um (y), 40.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	461 nm	223 nm
max	518 nm	536 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.86		
Theta	-49.3°		

XY profile & fitting parameters :

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

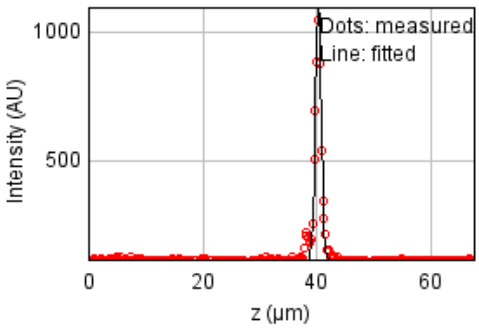




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 1128.718 (brightness)
B = 123.953 (background)
a = 0.601 px
b = -0.087 px
c = 0.575 px
xc = 5.612 px
yc = 5.577 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 95317.1616
Standard deviation: 17.62042
R^2: 0.97588
Parameters:
a = 116.14992
b = 1103.13112
c = 40.33559
d = 0.50463

Bead 1811

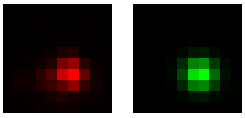
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

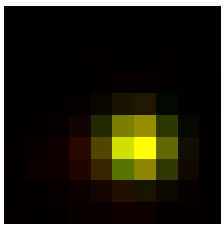
Coordinates : -65.0 um (x), -59.0 um (y), 40.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	467 nm	483 nm	223 nm
max	511 nm	528 nm	223 nm
z	1.52 um	1.53 um	885 nm
Asymmetry	0.915		
Theta	-5.2°		

XY profile & fitting parameters :

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

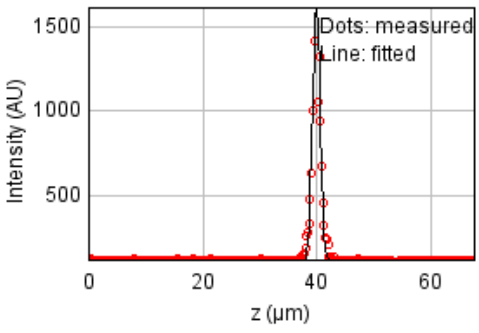




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 1708.677 (brightness)
B = 132.187 (background)
a = 0.515 px
b = -0.009 px
c = 0.614 px
xc = 5.628 px
yc = 5.968 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 357599.753
Standard deviation: 34.12946
R^2: 0.96946
Parameters:
a = 115.47835
b = 1616.86856
c = 39.98841
d = 0.64687

Bead 1812

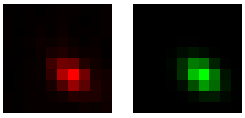
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

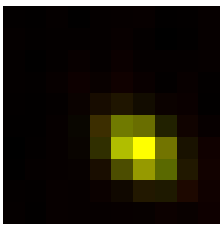
Coordinates : 157 um (x), -69.1 um (y), 39.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	418 nm	223 nm
max	581 nm	601 nm	223 nm
z	1.46 um	1.46 um	885 nm
Asymmetry	0.695		
Theta	-36.1°		

XY profile & fitting parameters :

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

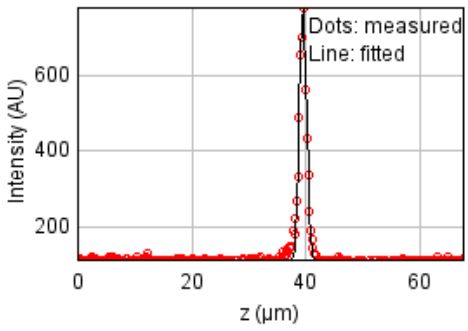




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 705.597 (brightness)
B = 115.774 (background)
a = 0.544 px
b = -0.202 px
c = 0.674 px
xc = 5.798 px
yc = 6.065 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38756.9778
Standard deviation: 11.23585
R^2: 0.98244
Parameters:
a = 110.82561
b = 781.04548
c = 39.57111
d = 0.61911

Bead 1813

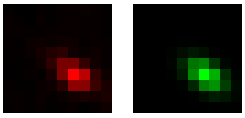
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

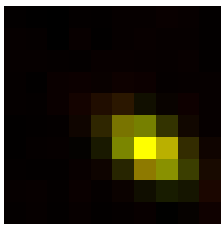
Coordinates : 162 um (x), -92.2 um (y), 39.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	647 nm	669 nm	223 nm
z	1.67 um	1.68 um	885 nm
Asymmetry	0.594		
Theta	-34.5°		

XY profile & fitting parameters :

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

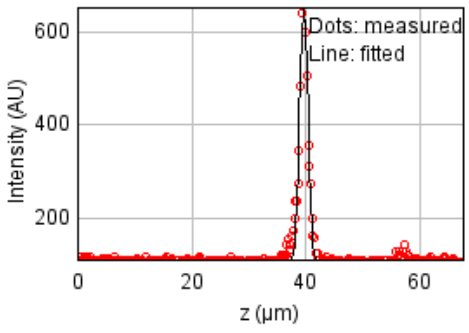




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

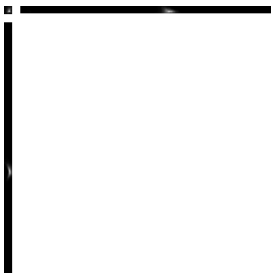
Parameters:
A = 560.618 (brightness)
B = 114.942 (background)
a = 0.510 px
b = -0.275 px
c = 0.720 px
xc = 6.157 px
yc = 6.043 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44395.1183
Standard deviation: 12.02537
R^2: 0.97353
Parameters:
a = 111.33418
b = 655.99926
c = 39.71872
d = 0.70951

Bead 1814 (Rejected)



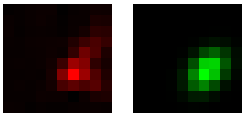
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

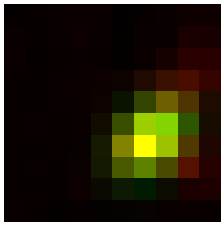
Coordinates : 93.6 um (x), 92.7 um (y), 40.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	468 nm	484 nm	223 nm
max	662 nm	684 nm	223 nm
z	1.61 um	1.61 um	885 nm
Asymmetry	0.707		
Theta	47.4°		

XY profile & fitting parameters :

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

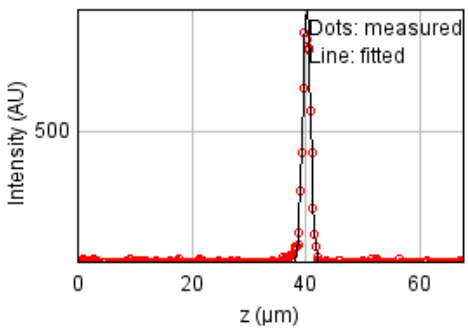




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.849

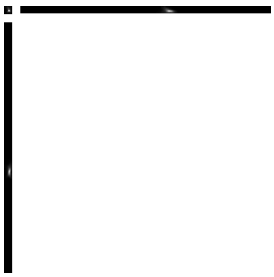
Parameters:
A = 561.151 (brightness)
B = 125.742 (background)
a = 0.472 px
b = 0.152 px
c = 0.447 px
xc = 6.328 px
yc = 5.630 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 38781.0465
Standard deviation: 11.23933
R^2: 0.98715
Parameters:
a = 113.20884
b = 863.11013
c = 40.21182
d = 0.68206

Bead 1815



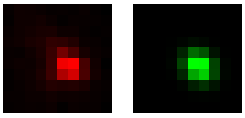
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

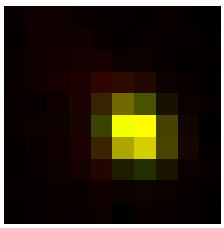
Coordinates : -149 um (x), 89.5 um (y), 40.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	429 nm	223 nm
max	496 nm	512 nm	223 nm
z	1.75 um	1.76 um	885 nm
Asymmetry	0.837		
Theta	-45.7°		

XY profile & fitting parameters :

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

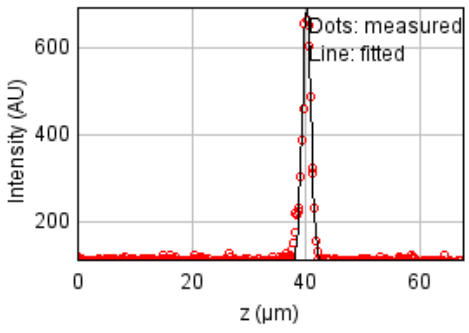




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 799.755 (brightness)
B = 122.449 (background)
a = 0.666 px
b = -0.117 px
c = 0.660 px
xc = 5.538 px
yc = 5.270 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44563.4651
Standard deviation: 12.04815
R^2: 0.97758
Parameters:
a = 111.75190
b = 692.29446
c = 40.21561
d = 0.74463

Bead 1816

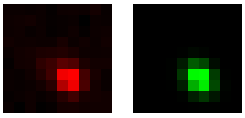
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

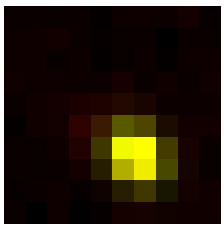
Coordinates : -162 um (x), 70.3 um (y), 39.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	409 nm	223 nm
max	484 nm	501 nm	223 nm
z	1.49 um	1.5 um	885 nm
Asymmetry	0.816		
Theta	-50.4°		

XY profile & fitting parameters :

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

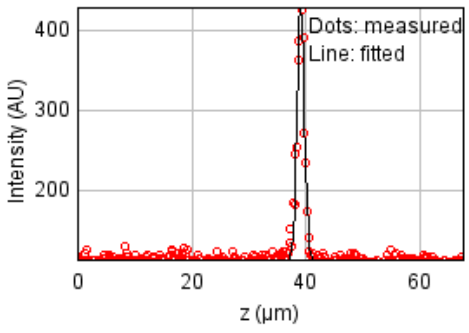




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

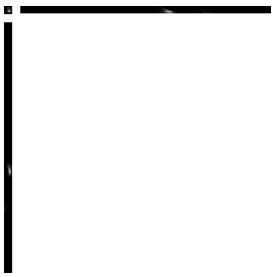
Parameters:
A = 407.830 (brightness)
B = 114.510 (background)
a = 0.742 px
b = -0.141 px
c = 0.689 px
xc = 5.582 px
yc = 6.356 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18431.0409
Standard deviation: 7.74829
R^2: 0.96437
Parameters:
a = 111.36897
b = 429.41038
c = 39.17318
d = 0.63315

Bead 1817



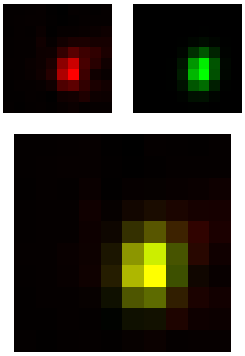
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 129 um (x), 20.5 um (y), 39.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	434 nm	223 nm
max	541 nm	559 nm	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.776		
Theta	78.2°		

XY profile & fitting parameters :

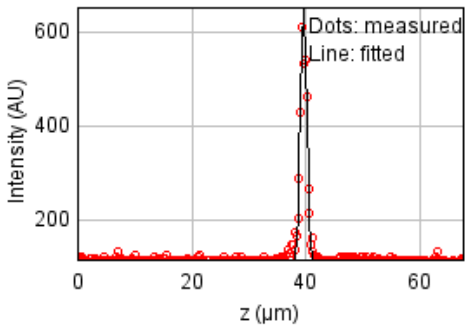
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 797.960 (brightness)
B = 125.236 (background)
a = 0.749 px
b = 0.060 px
c = 0.472 px
xc = 5.756 px
yc = 5.609 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 43035.0261
Standard deviation: 11.83973
R^2: 0.96630
Parameters:
a = 113.46925
b = 656.99220
c = 39.68092
d = 0.53328

Bead 1818

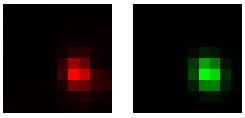
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

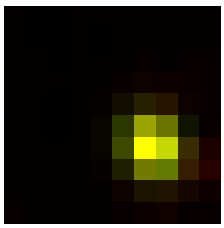
Coordinates : 15.5 um (x), -11.0 um (y), 40.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	436 nm	223 nm
max	495 nm	511 nm	223 nm
z	1.34 um	1.35 um	885 nm
Asymmetry	0.854		
Theta	-63.2°		

XY profile & fitting parameters :

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

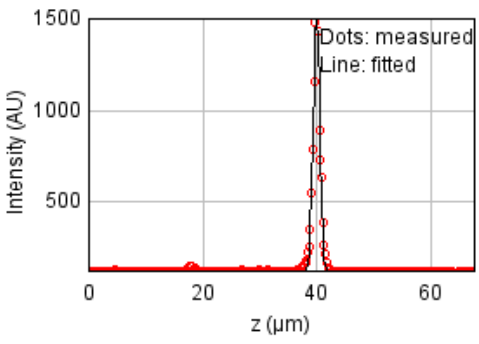




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

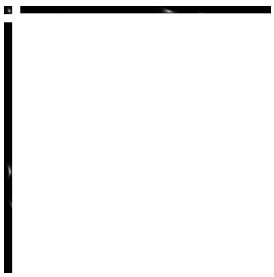
Parameters:
A = 1506.567 (brightness)
B = 127.110 (background)
a = 0.711 px
b = -0.082 px
c = 0.590 px
xc = 6.373 px
yc = 5.931 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 132283.883
Standard deviation: 20.75794
R^2: 0.98489
Parameters:
a = 114.92959
b = 1504.95726
c = 40.01209
d = 0.57077

Bead 1819



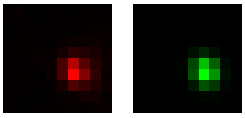
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

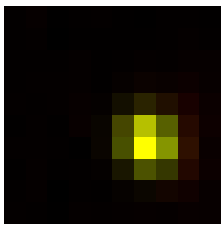
Coordinates : 95.3 um (x), -11.8 um (y), 40.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	445 nm	460 nm	223 nm
z	1.4 um	1.4 um	885 nm
Asymmetry	0.876		
Theta	-66.1°		

XY profile & fitting parameters :

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

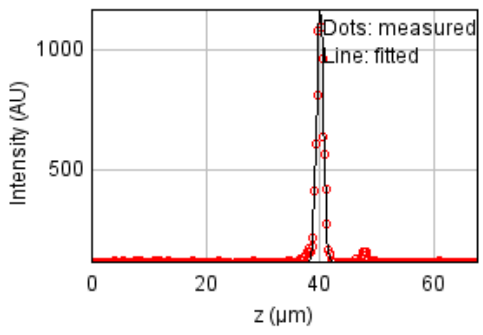




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

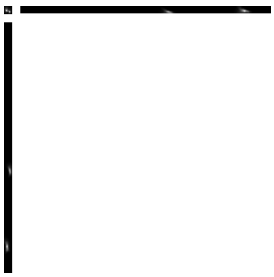
Parameters:
A = 1169.548 (brightness)
B = 124.459 (background)
a = 0.850 px
b = -0.076 px
c = 0.712 px
xc = 6.156 px
yc = 5.717 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 67644.3562
Standard deviation: 14.84385
R^2: 0.98708
Parameters:
a = 114.47107
b = 1169.88518
c = 40.10349
d = 0.59425

Bead 1820



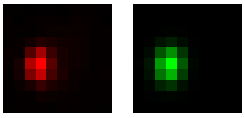
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

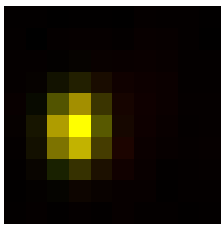
Coordinates : 136 um (x), -18.5 um (y), 60.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	417 nm	431 nm	223 nm
max	536 nm	554 nm	223 nm
z	1.4 um	1.4 um	885 nm
Asymmetry	0.778		
Theta	85.8°		

XY profile & fitting parameters :

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

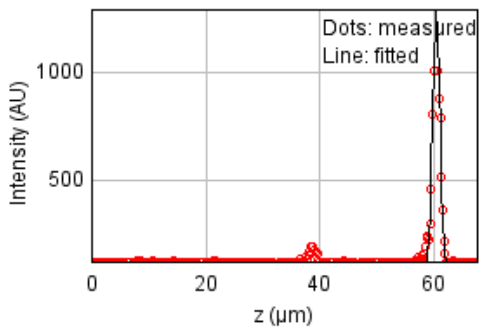




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

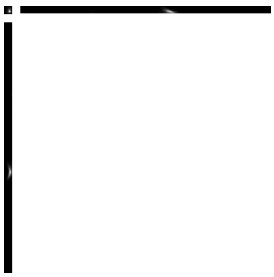
Parameters:
A = 1340.630 (brightness)
B = 125.992 (background)
a = 0.770 px
b = 0.022 px
c = 0.469 px
xc = 2.813 px
yc = 5.131 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 166623.498
Standard deviation: 23.29694
R^2: 0.97483
Parameters:
a = 115.84316
b = 1295.51973
c = 60.46027
d = 0.59410

Bead 1821



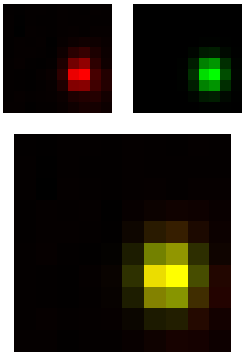
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 51.8 um (x), -22.2 um (y), 40.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	461 nm	223 nm
max	501 nm	518 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.891		
Theta	88.4°		

XY profile & fitting parameters :

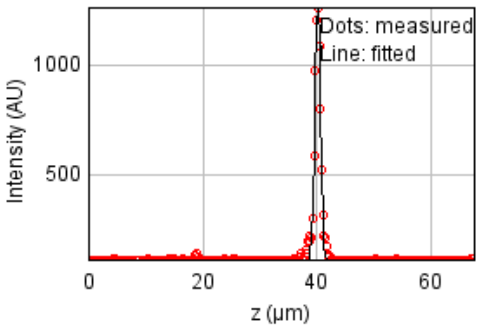
(red : the orignal data, green : the fit, yellow : the two merged)



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

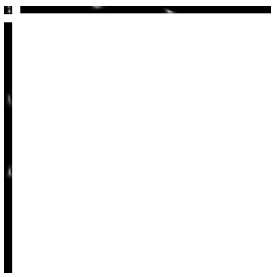
Parameters:
A = 1243.115 (brightness)
B = 122.985 (background)
a = 0.674 px
b = 0.004 px
c = 0.535 px
xc = 6.609 px
yc = 6.000 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 64855.1650
Standard deviation: 14.53460
R^2: 0.98736
Parameters:
a = 114.99911
b = 1263.45558
c = 40.21967
d = 0.48912

Bead 1822



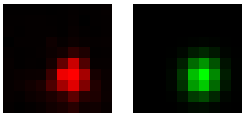
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

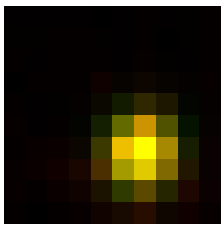
Coordinates : -37.4 um (x), -23.4 um (y), 40.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	537 nm	555 nm	223 nm
max	588 nm	608 nm	223 nm
z	1.28 um	1.28 um	885 nm
Asymmetry	0.914		
Theta	77.2°		

XY profile & fitting parameters :

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

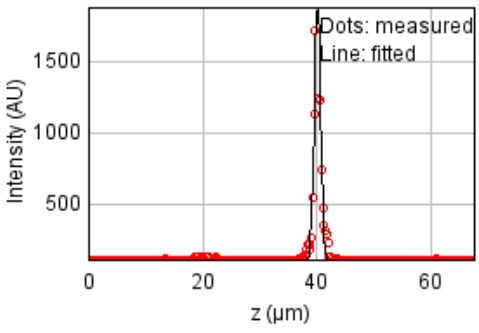




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 1277.700 (brightness)
B = 123.312 (background)
a = 0.461 px
b = 0.017 px
c = 0.392 px
xc = 5.816 px
yc = 6.207 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 779879.221
Standard deviation: 50.40162
R^2: 0.94473
Parameters:
a = 117.62868
b = 1888.77299
c = 40.17731
d = 0.54283

Bead 1823

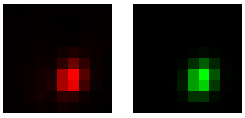
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

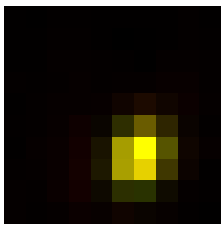
Coordinates : -137 um (x), -35.1 um (y), 40.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	411 nm	223 nm
max	487 nm	503 nm	223 nm
z	1.12 um	1.12 um	885 nm
Asymmetry	0.817		
Theta	65.8°		

XY profile & fitting parameters :

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

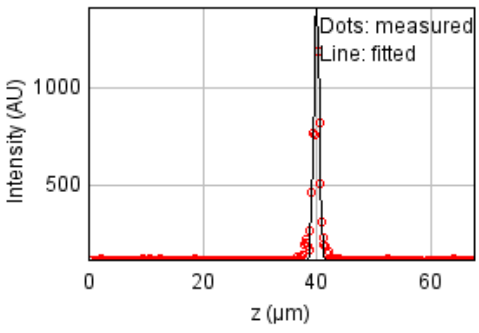




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.989

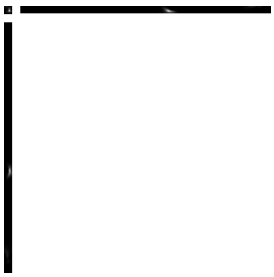
Parameters:
A = 1633.647 (brightness)
B = 126.695 (background)
a = 0.802 px
b = 0.105 px
c = 0.614 px
xc = 5.754 px
yc = 6.377 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 185827.731
Standard deviation: 24.60289
R^2: 0.97177
Parameters:
a = 113.51540
b = 1424.69306
c = 39.99167
d = 0.47353

Bead 1824



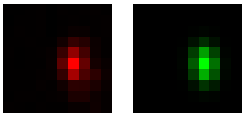
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

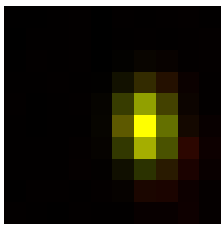
Coordinates : 11.9 um (x), -35.9 um (y), 39.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	377 nm	389 nm	223 nm
max	563 nm	582 nm	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.669		
Theta	-85.7°		

XY profile & fitting parameters :

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

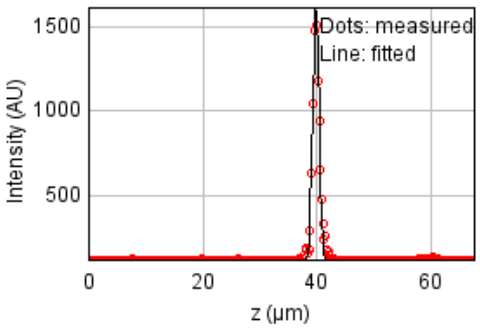




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

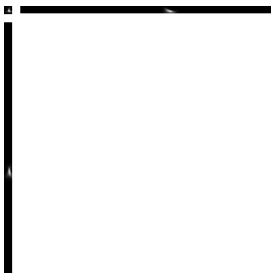
Parameters:
A = 1533.422 (brightness)
B = 134.239 (background)
a = 0.943 px
b = -0.039 px
c = 0.427 px
xc = 6.065 px
yc = 5.053 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 156546.827
Standard deviation: 22.58151
R^2: 0.98389
Parameters:
a = 115.49470
b = 1628.01254
c = 39.90554
d = 0.53360

Bead 1825



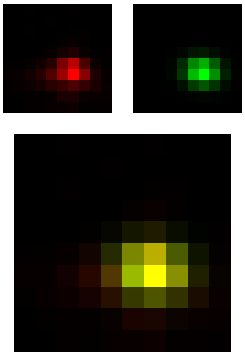
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -51.3 um (x), -70.6 um (y), 40.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	439 nm	223 nm
max	547 nm	566 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.776		
Theta	-5.6°		

XY profile & fitting parameters :

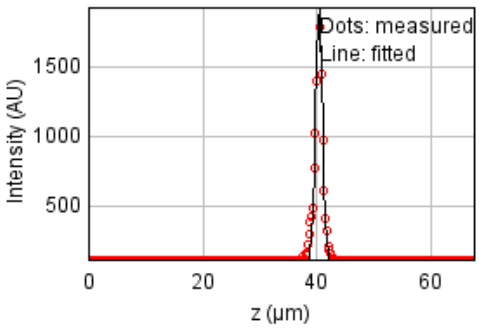
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1847.576 (brightness)
B = 133.713 (background)
a = 0.451 px
b = -0.029 px
c = 0.741 px
xc = 5.836 px
yc = 5.751 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 198129.115
Standard deviation: 25.40417
R^2: 0.98718
Parameters:
a = 116.07021
b = 1921.45127
c = 40.45082
d = 0.59987

Bead 1826

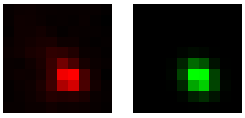
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

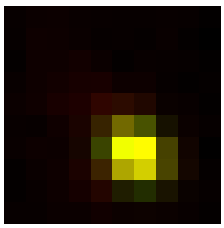
Coordinates : -149 um (x), 89.5 um (y), 40.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	428 nm	223 nm
max	495 nm	512 nm	223 nm
z	1.75 um	1.76 um	885 nm
Asymmetry	0.837		
Theta	-45.7°		

XY profile & fitting parameters :

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

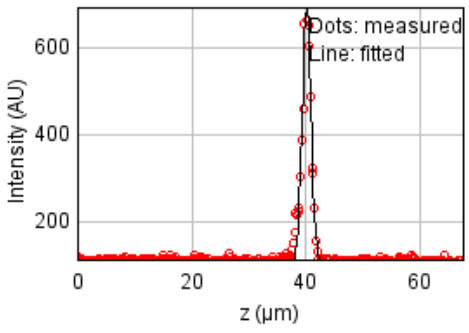




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 799.846 (brightness)
B = 122.729 (background)
a = 0.668 px
b = -0.117 px
c = 0.661 px
xc = 5.538 px
yc = 6.270 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44563.4651
Standard deviation: 12.04815
R^2: 0.97758
Parameters:
a = 111.75190
b = 692.29446
c = 40.21561
d = 0.74463

Bead 1827

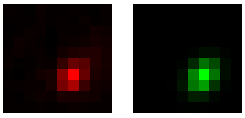
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

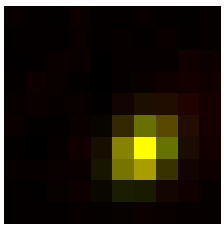
Coordinates : 139 um (x), 56.9 um (y), 39.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	519 nm	536 nm	223 nm
z	1.35 um	1.36 um	885 nm
Asymmetry	0.749		
Theta	51.3°		

XY profile & fitting parameters :

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

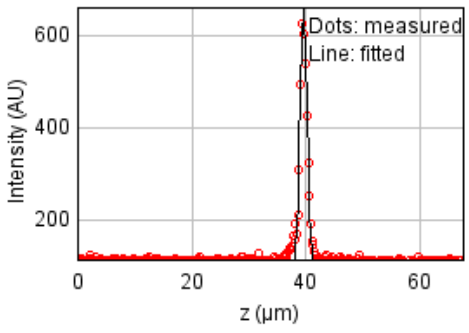




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

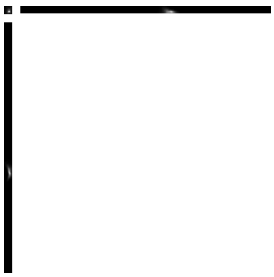
Parameters:
A = 590.190 (brightness)
B = 117.421 (background)
a = 0.737 px
b = 0.190 px
c = 0.651 px
xc = 5.919 px
yc = 6.153 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33159.1847
Standard deviation: 10.39280
R^2: 0.97640
Parameters:
a = 111.34594
b = 664.62796
c = 39.67482
d = 0.57352

Bead 1828



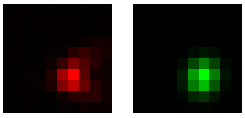
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

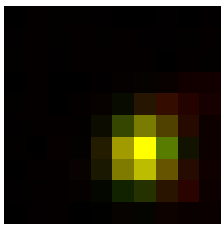
Coordinates : 101 um (x), 53.4 um (y), 40.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	463 nm	479 nm	223 nm
max	516 nm	533 nm	223 nm
z	1.59 um	1.59 um	885 nm
Asymmetry	0.899		
Theta	71.7°		

XY profile & fitting parameters :

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

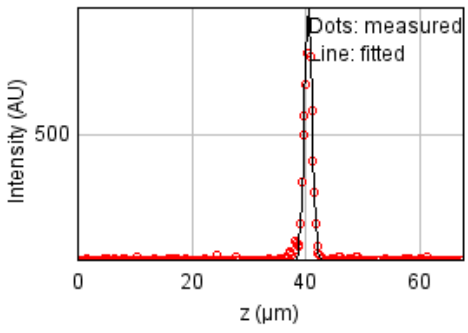




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

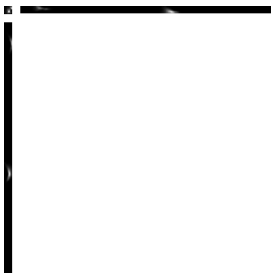
Parameters:
A = 846.681 (brightness)
B = 123.307 (background)
a = 0.613 px
b = 0.036 px
c = 0.517 px
xc = 5.895 px
yc = 6.208 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 55157.9668
Standard deviation: 13.40402
R^2: 0.98283
Parameters:
a = 112.83844
b = 889.14729
c = 40.49681
d = 0.67391

Bead 1829 (Rejected)



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

Coordinates : 49.3 um (x), 39.4 um (y), 5.94 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

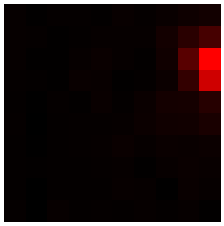
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	263 nm	264 nm	885 nm
Asymmetry	0.0		
Theta	0.0°		

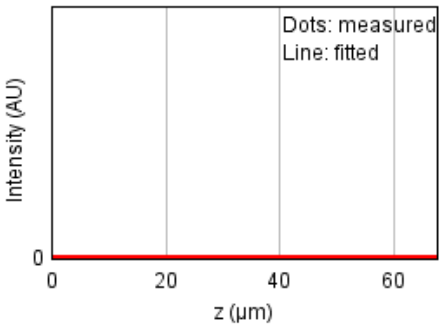
XY profile & fitting parameters :

(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 1830

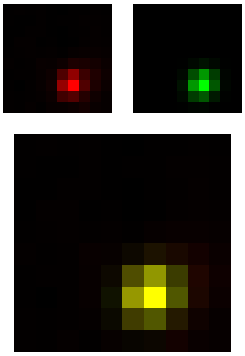
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 127 um (x), 12.1 um (y), 40.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	431 nm	445 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.906		
Theta	43.7°		

XY profile & fitting parameters :

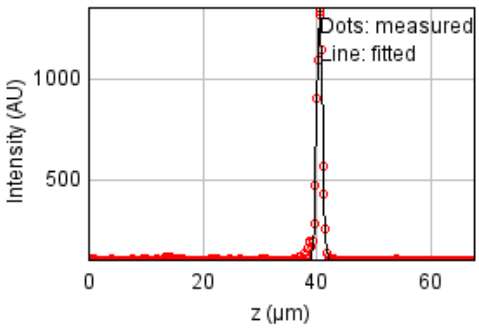
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1220.641 (brightness)
B = 121.767 (background)
a = 0.798 px
b = 0.079 px
c = 0.805 px
xc = 5.841 px
yc = 6.842 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 85997.4088
Standard deviation: 16.73684
R^2: 0.98575
Parameters:
a = 112.10206
b = 1359.99772
c = 40.54996
d = 0.48653

Bead 1831

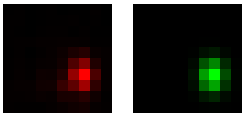
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

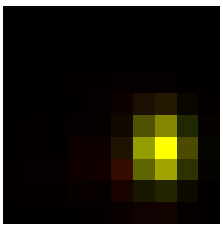
Coordinates : -72.9 um (x), 9.22 um (y), 40.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	410 nm	223 nm
max	497 nm	514 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.798		
Theta	89.5°		

XY profile & fitting parameters :

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

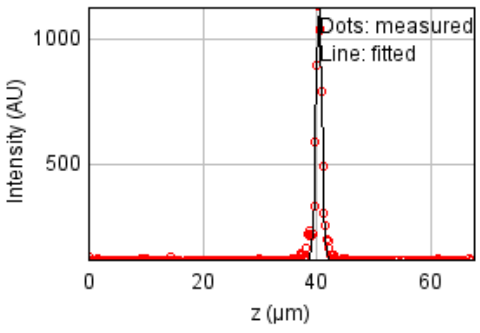




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

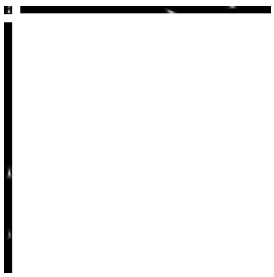
Parameters:
A = 1609.178 (brightness)
B = 133.409 (background)
a = 0.853 px
b = 0.003 px
c = 0.543 px
xc = 6.782 px
yc = 6.094 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 87758.7386
Standard deviation: 16.90737
R^2: 0.97966
Parameters:
a = 114.76673
b = 1130.38608
c = 40.44209
d = 0.52290

Bead 1832



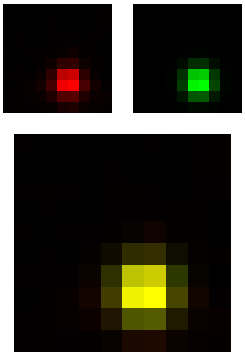
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -27.4 um (x), -8.07 um (y), 40.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	461 nm	223 nm
max	462 nm	478 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.966		
Theta	-87.6°		

XY profile & fitting parameters :

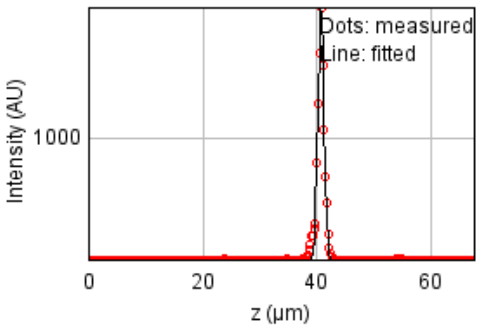
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 2384.583 (brightness)
B = 128.858 (background)
a = 0.674 px
b = -0.002 px
c = 0.628 px
xc = 5.537 px
yc = 6.678 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 160991.458
Standard deviation: 22.89983
R^2: 0.98915
Parameters:
a = 116.51678
b = 1981.08041
c = 40.78287
d = 0.53905

Bead 1833

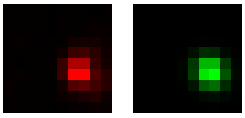
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

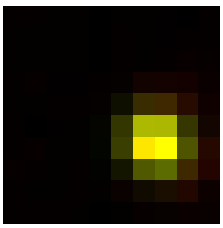
Coordinates : 64.4 um (x), -7.42 um (y), 40.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	451 nm	467 nm	223 nm
max	494 nm	511 nm	223 nm
z	1.22 um	1.23 um	885 nm
Asymmetry	0.914		
Theta	-47.8°		

XY profile & fitting parameters :

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

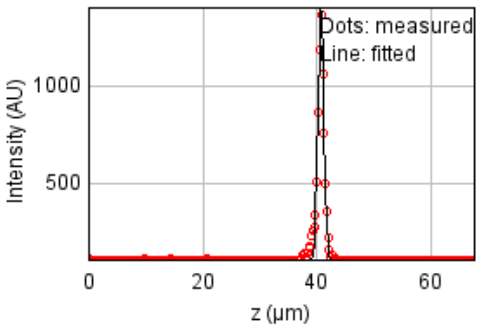




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 1564.654 (brightness)
B = 129.935 (background)
a = 0.610 px
b = -0.054 px
c = 0.599 px
xc = 6.561 px
yc = 5.742 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 89212.6008
Standard deviation: 17.04684
R^2: 0.98697
Parameters:
a = 116.24513
b = 1405.67157
c = 40.77727
d = 0.51857

Bead 1834

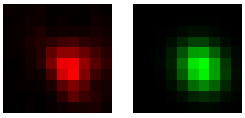
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

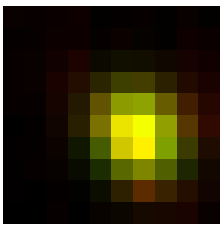
Coordinates : 135 um (x), -22.3 um (y), 39.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	650 nm	672 nm	223 nm
max	751 nm	777 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.865		
Theta	-57.9°		

XY profile & fitting parameters :

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

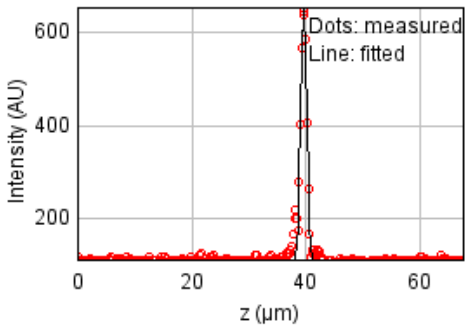




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 580.103 (brightness)
B = 126.302 (background)
a = 0.295 px
b = -0.036 px
c = 0.260 px
xc = 5.732 px
yc = 5.340 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 42453.4344
Standard deviation: 11.75946
R^2: 0.96578
Parameters:
a = 112.53427
b = 663.09591
c = 39.70424
d = 0.50398

Bead 1835

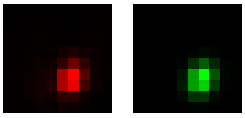
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

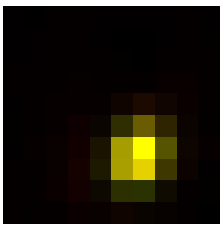
Coordinates : -137 um (x), -35.1 um (y), 40.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	411 nm	223 nm
max	487 nm	503 nm	223 nm
z	1.12 um	1.12 um	885 nm
Asymmetry	0.817		
Theta	65.8°		

XY profile & fitting parameters :

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

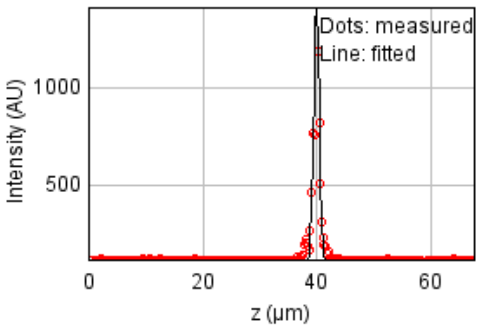




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.989

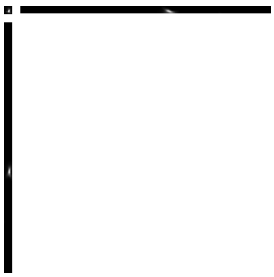
Parameters:
A = 1633.647 (brightness)
B = 126.695 (background)
a = 0.802 px
b = 0.105 px
c = 0.614 px
xc = 5.754 px
yc = 6.377 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 185827.731
Standard deviation: 24.60289
R^2: 0.97177
Parameters:
a = 113.51540
b = 1424.69306
c = 39.99167
d = 0.47353

Bead 1836



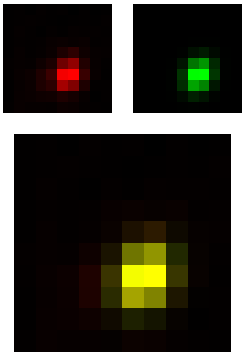
Date : Mon Oct 17 13:29:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -128 um (x), -40.9 um (y), 40.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	413 nm	223 nm
max	495 nm	512 nm	223 nm
z	1.45 um	1.45 um	885 nm
Asymmetry	0.807		
Theta	63.8°		

XY profile & fitting parameters :

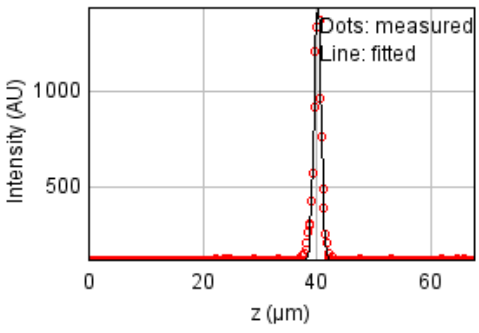
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1679.795 (brightness)
B = 127.562 (background)
a = 0.782 px
b = 0.116 px
c = 0.604 px
xc = 5.501 px
yc = 6.043 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 98781.2551
Standard deviation: 17.93775
R^2: 0.98860
Parameters:
a = 113.25547
b = 1450.29131
c = 40.20449
d = 0.61431

Bead 1837

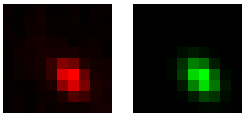
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

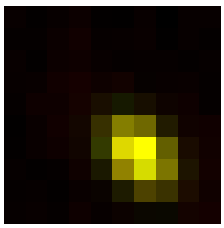
Coordinates : 139 um (x), -60.3 um (y), 39.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	428 nm	442 nm	223 nm
max	603 nm	623 nm	223 nm
z	1.38 um	1.39 um	885 nm
Asymmetry	0.71		
Theta	-49.1°		

XY profile & fitting parameters :

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

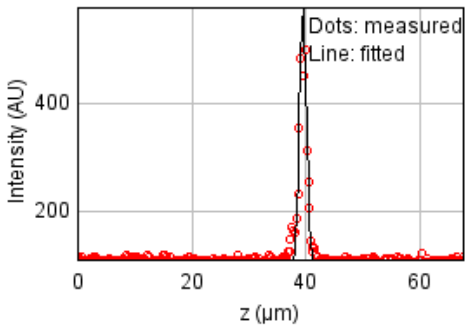




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

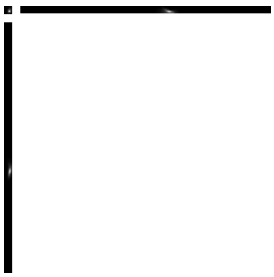
Parameters:
A = 529.529 (brightness)
B = 116.761 (background)
a = 0.577 px
b = -0.180 px
c = 0.526 px
xc = 5.726 px
yc = 6.264 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35111.7589
Standard deviation: 10.69442
R^2: 0.96594
Parameters:
a = 111.42895
b = 577.79550
c = 39.56956
d = 0.58620

Bead 1838



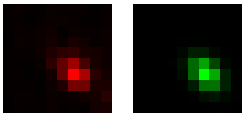
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

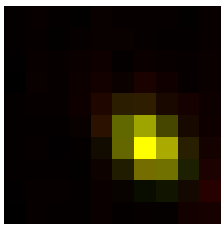
Coordinates : 162 um (x), -84.2 um (y), 40.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	558 nm	577 nm	223 nm
z	1.58 um	1.58 um	885 nm
Asymmetry	0.701		
Theta	-45.9°		

XY profile & fitting parameters :

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

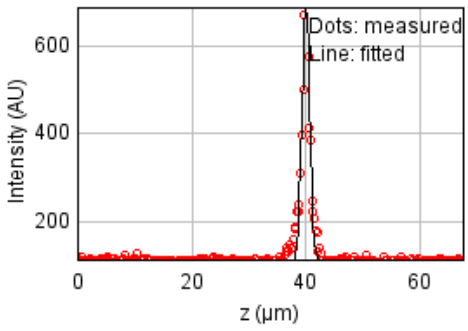




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

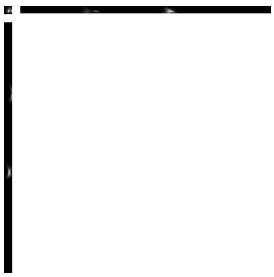
Parameters:
A = 636.658 (brightness)
B = 118.113 (background)
a = 0.661 px
b = -0.223 px
c = 0.647 px
xc = 6.156 px
yc = 5.890 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61429.3819
Standard deviation: 14.14552
R^2: 0.96559
Parameters:
a = 111.99044
b = 687.31580
c = 40.08162
d = 0.66985

Bead 1839



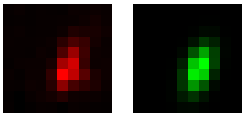
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

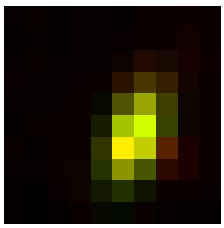
Coordinates : 15.5 um (x), 75.8 um (y), 40.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	724 nm	749 nm	223 nm
z	1.67 um	1.67 um	885 nm
Asymmetry	0.533		
Theta	70.0°		

XY profile & fitting parameters :

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

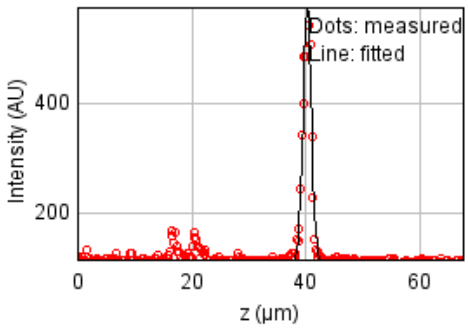




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 633.658 (brightness)
B = 123.491 (background)
a = 0.825 px
b = 0.208 px
c = 0.332 px
xc = 5.551 px
yc = 5.451 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56128.6478
Standard deviation: 13.52144
R^2: 0.95428
Parameters:
a = 115.82076
b = 577.83047
c = 40.31946
d = 0.70748

Bead 1840

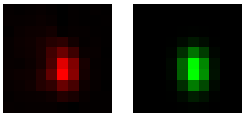
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

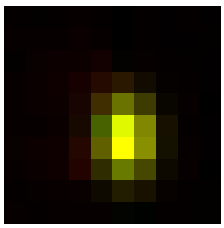
Coordinates : -117 um (x), 48.9 um (y), 40.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	430 nm	223 nm
max	597 nm	617 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.696		
Theta	-87.0°		

XY profile & fitting parameters :

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

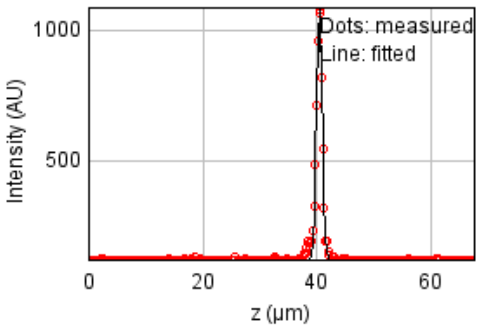




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1089.712 (brightness)
B = 135.531 (background)
a = 0.776 px
b = -0.021 px
c = 0.378 px
xc = 5.118 px
yc = 5.541 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 43277.9320
Standard deviation: 11.87310
R^2: 0.98867
Parameters:
a = 114.39790
b = 1091.67243
c = 40.51243
d = 0.50404

Bead 1841

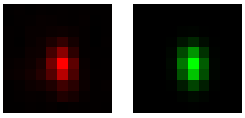
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

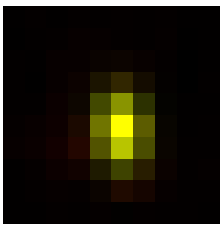
Coordinates : -54.8 um (x), 41.1 um (y), 40.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	578 nm	598 nm	223 nm
z	1.18 um	1.18 um	885 nm
Asymmetry	0.666		
Theta	-85.3°		

XY profile & fitting parameters :

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

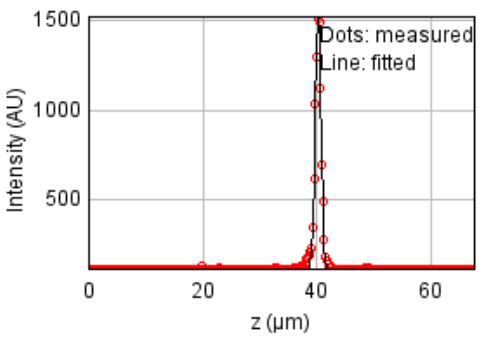




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

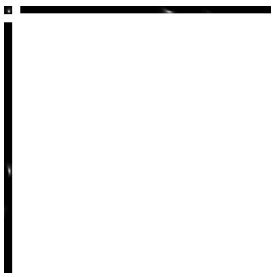
Parameters:
A = 1344.824 (brightness)
B = 129.930 (background)
a = 0.902 px
b = -0.041 px
c = 0.404 px
xc = 4.943 px
yc = 5.171 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50269.1085
Standard deviation: 12.79621
R^2: 0.99363
Parameters:
a = 113.37592
b = 1526.25846
c = 40.30216
d = 0.50082

Bead 1842



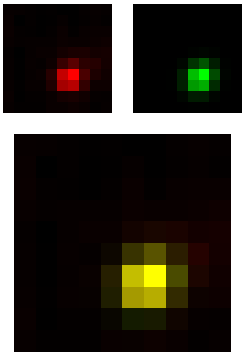
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 141 um (x), 35.6 um (y), 40.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	411 nm	223 nm
max	448 nm	463 nm	223 nm
z	1.29 um	1.29 um	885 nm
Asymmetry	0.887		
Theta	45.1°		

XY profile & fitting parameters :

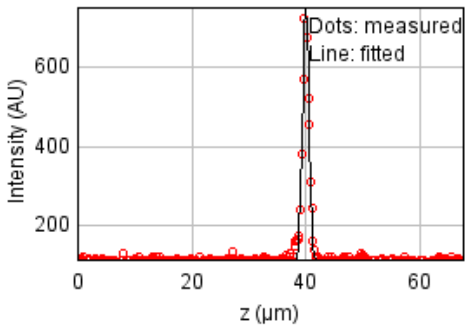
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 776.604 (brightness)
B = 117.124 (background)
a = 0.759 px
b = 0.091 px
c = 0.758 px
xc = 5.661 px
yc = 6.283 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31350.3724
Standard deviation: 10.10537
R^2: 0.98236
Parameters:
a = 111.86744
b = 750.50846
c = 40.05702
d = 0.54694

Bead 1843

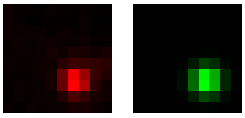
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

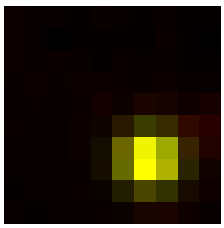
Coordinates : 141 um (x), 21.2 um (y), 39.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	448 nm	463 nm	223 nm
max	467 nm	483 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.96		
Theta	0.3°		

XY profile & fitting parameters :

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

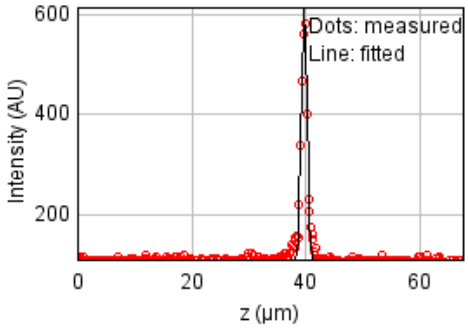




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

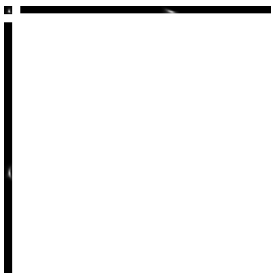
Parameters:
A = 619.801 (brightness)
B = 117.780 (background)
a = 0.616 px
b = 0.000 px
c = 0.668 px
xc = 6.208 px
yc = 6.536 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27395.6640
Standard deviation: 9.44652
R^2: 0.97249
Parameters:
a = 110.80678
b = 614.43324
c = 39.77535
d = 0.48630

Bead 1844



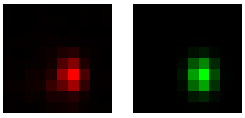
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

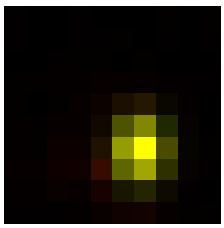
Coordinates : -72.9 um (x), 9.22 um (y), 40.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	410 nm	223 nm
max	497 nm	514 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.798		
Theta	89.5°		

XY profile & fitting parameters :

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

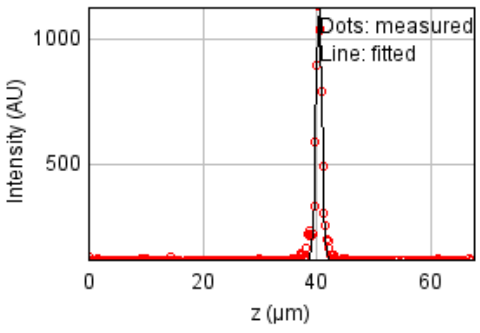




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

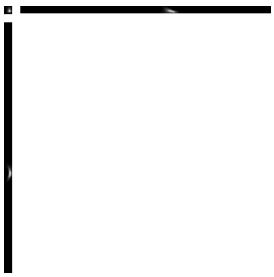
Parameters:
A = 1609.099 (brightness)
B = 132.943 (background)
a = 0.852 px
b = 0.003 px
c = 0.543 px
xc = 5.782 px
yc = 6.094 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 87758.7386
Standard deviation: 16.90737
R^2: 0.97966
Parameters:
a = 114.76673
b = 1130.38608
c = 40.44209
d = 0.52290

Bead 1845



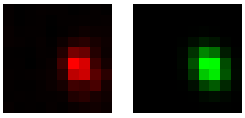
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

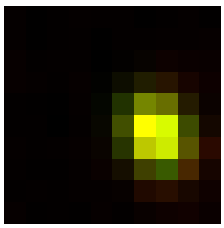
Coordinates : 40.6 um (x), -9.09 um (y), 40.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	458 nm	473 nm	223 nm
max	577 nm	596 nm	223 nm
z	1.44 um	1.44 um	885 nm
Asymmetry	0.794		
Theta	-64.7°		

XY profile & fitting parameters :

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

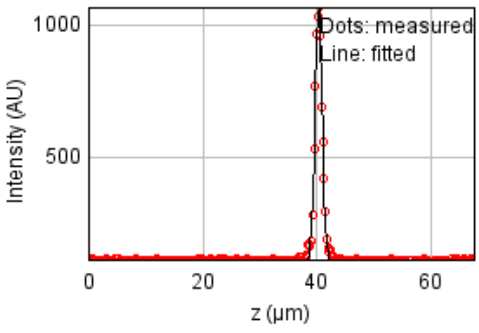




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

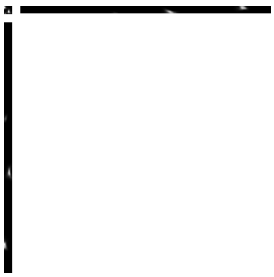
Parameters:
A = 1037.754 (brightness)
B = 124.462 (background)
a = 0.597 px
b = -0.091 px
c = 0.447 px
xc = 6.534 px
yc = 5.332 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 39803.8345
Standard deviation: 11.38658
R^2: 0.99109
Parameters:
a = 113.59914
b = 1078.55422
c = 40.38552
d = 0.60944

Bead 1846



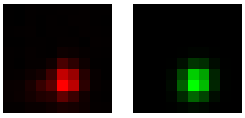
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

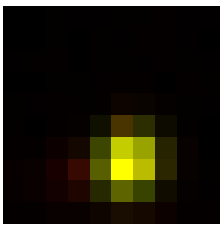
Coordinates : -77.8 um (x), -43.3 um (y), 40.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	462 nm	223 nm
max	489 nm	506 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.912		
Theta	65.1°		

XY profile & fitting parameters :

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

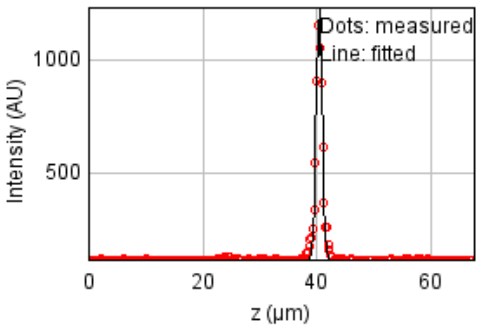




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 1264.568 (brightness)
B = 121.237 (background)
a = 0.653 px
b = 0.043 px
c = 0.581 px
xc = 5.280 px
yc = 6.669 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 68894.9487
Standard deviation: 14.98044
R^2: 0.98661
Parameters:
a = 115.36350
b = 1227.30578
c = 40.48302
d = 0.52411

Bead 1847

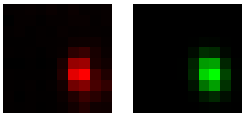
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

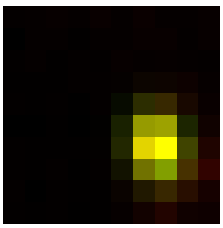
Coordinates : 31.2 um (x), -47.5 um (y), 40.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	432 nm	223 nm
max	547 nm	566 nm	223 nm
z	1.14 um	1.15 um	885 nm
Asymmetry	0.763		
Theta	-76.5°		

XY profile & fitting parameters :

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

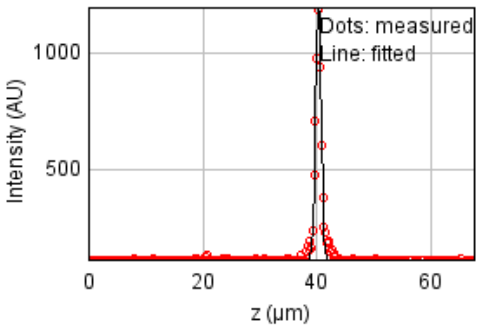




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 1157.048 (brightness)
B = 130.799 (background)
a = 0.752 px
b = -0.073 px
c = 0.466 px
xc = 6.617 px
yc = 5.932 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66331.1256
Standard deviation: 14.69906
R^2: 0.98577
Parameters:
a = 115.37586
b = 1214.04831
c = 40.34633
d = 0.48492

Bead 1848

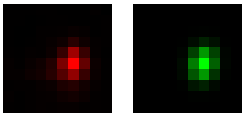
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

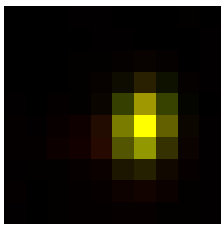
Coordinates : -68.9 um (x), -68.0 um (y), 40.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	407 nm	223 nm
max	515 nm	532 nm	223 nm
z	1.25 um	1.25 um	885 nm
Asymmetry	0.764		
Theta	78.5°		

XY profile & fitting parameters :

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

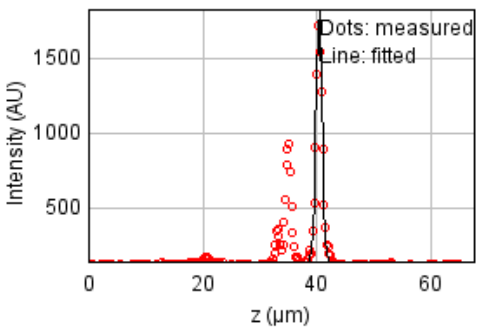




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

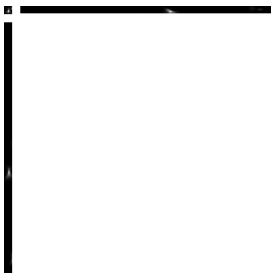
Parameters:
A = 1758.005 (brightness)
B = 136.865 (background)
a = 0.853 px
b = 0.071 px
c = 0.520 px
xc = 5.922 px
yc = 5.012 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2891145.93
Standard deviation: 97.04336
R^2: 0.80374
Parameters:
a = 139.76383
b = 1828.98719
c = 40.46220
d = 0.52969

Bead 1849



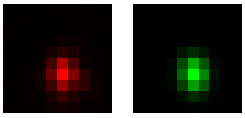
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

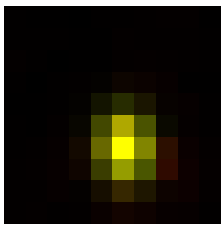
Coordinates : -8.56 um (x), -69.1 um (y), 40.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	429 nm	223 nm
max	544 nm	562 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.763		
Theta	-85.5°		

XY profile & fitting parameters :

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

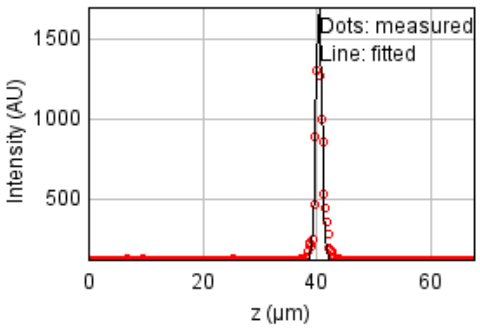




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

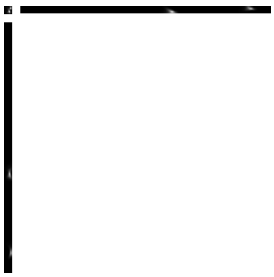
Parameters:
A = 1680.809 (brightness)
B = 127.672 (background)
a = 0.776 px
b = -0.026 px
c = 0.456 px
xc = 5.077 px
yc = 5.968 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 304220.440
Standard deviation: 31.47930
R^2: 0.97173
Parameters:
a = 117.51199
b = 1700.63707
c = 40.43276
d = 0.53268

Bead 1850



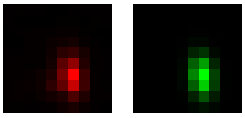
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

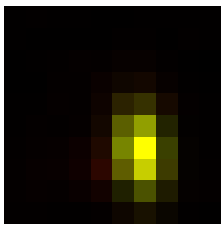
Coordinates : -46.2 um (x), 71.5 um (y), 40.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	362 nm	374 nm	223 nm
max	628 nm	649 nm	223 nm
z	1.13 um	1.13 um	885 nm
Asymmetry	0.576		
Theta	-84.1°		

XY profile & fitting parameters :

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

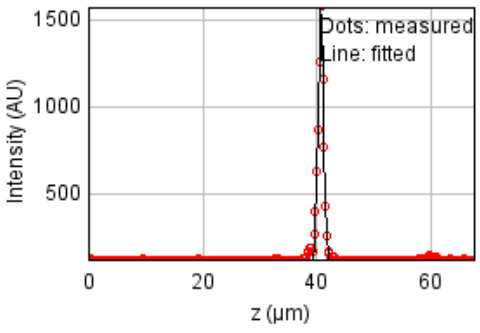




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1495.402 (brightness)
B = 129.962 (background)
a = 1.018 px
b = -0.070 px
c = 0.348 px
xc = 5.831 px
yc = 6.153 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 82170.1412
Standard deviation: 16.36017
R^2: 0.98997
Parameters:
a = 116.83191
b = 1586.52863
c = 40.76658
d = 0.47797

Bead 1851 (Rejected)

Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 29.7 um (x), 50.4 um (y), 56.7 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

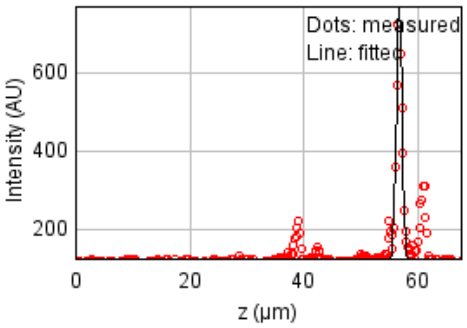
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.14 um	1.14 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

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: 240997.473
Standard deviation: 28.01800
R^2: 0.86797
Parameters:
a = 124.69055
b = 771.57312
c = 56.74856
d = 0.48210

Bead 1852

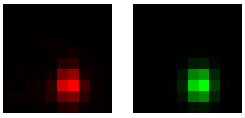
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

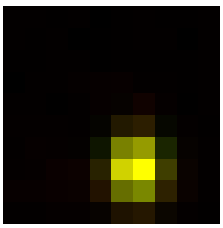
Coordinates : -35.1 um (x), 29.1 um (y), 40.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	486 nm	502 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.838		
Theta	-88.5°		

XY profile & fitting parameters :

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

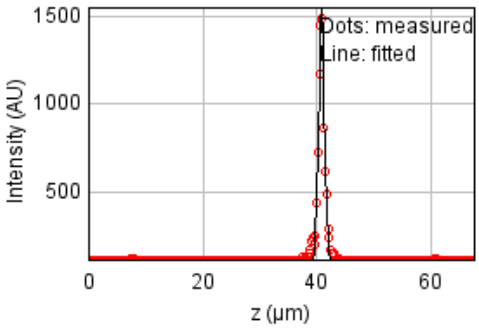




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.989

Parameters:
A = 1498.584 (brightness)
B = 122.966 (background)
a = 0.808 px
b = -0.006 px
c = 0.568 px
xc = 5.621 px
yc = 6.937 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 148387.841
Standard deviation: 21.98518
R^2: 0.98213
Parameters:
a = 115.87357
b = 1549.96650
c = 40.88885
d = 0.50570

Bead 1853

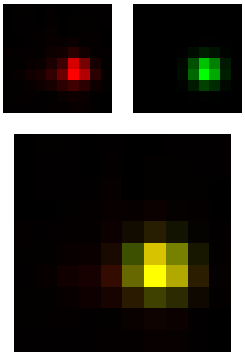
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -68.2 um (x), 19.4 um (y), 41.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	418 nm	223 nm
max	452 nm	467 nm	223 nm
z	1.37 um	1.38 um	885 nm
Asymmetry	0.894		
Theta	-0.9°		

XY profile & fitting parameters :

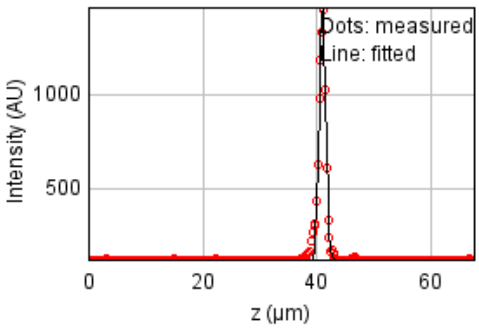
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1655.019 (brightness)
B = 130.231 (background)
a = 0.657 px
b = -0.003 px
c = 0.821 px
xc = 6.184 px
yc = 5.664 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 269898.175
Standard deviation: 29.65042
R^2: 0.96938
Parameters:
a = 114.53550
b = 1485.41249
c = 41.04655
d = 0.58216

Bead 1854

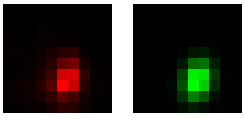
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

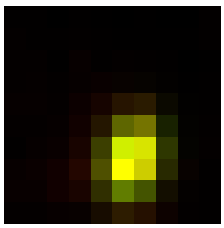
Coordinates : -81.8 um (x), 8.69 um (y), 40.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	433 nm	448 nm	223 nm
max	604 nm	625 nm	223 nm
z	1.05 um	1.06 um	885 nm
Asymmetry	0.717		
Theta	74.9°		

XY profile & fitting parameters :

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

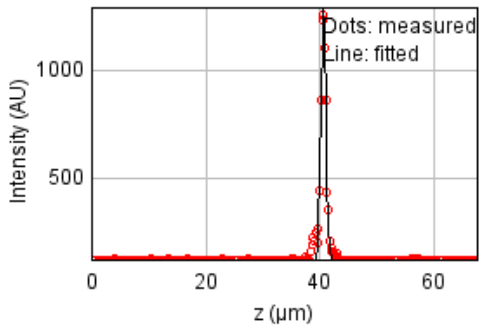




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 1562.117 (brightness)
B = 133.692 (background)
a = 0.691 px
b = 0.087 px
c = 0.391 px
xc = 5.404 px
yc = 6.496 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 88573.3280
Standard deviation: 16.98565
R^2: 0.98216
Parameters:
a = 115.22022
b = 1292.63220
c = 40.69144
d = 0.44697

Bead 1855

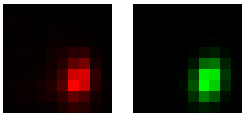
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

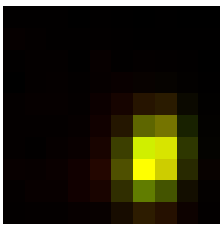
Coordinates : -81.8 um (x), 8.69 um (y), 40.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	433 nm	447 nm	223 nm
max	603 nm	624 nm	223 nm
z	1.05 um	1.06 um	885 nm
Asymmetry	0.717		
Theta	74.9°		

XY profile & fitting parameters :

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

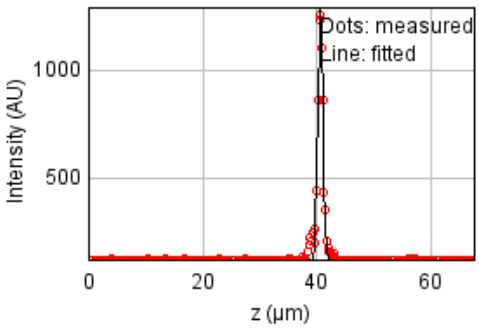




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1562.416 (brightness)
B = 134.630 (background)
a = 0.693 px
b = 0.088 px
c = 0.392 px
xc = 6.404 px
yc = 6.496 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 88573.3280
Standard deviation: 16.98565
R^2: 0.98216
Parameters:
a = 115.22022
b = 1292.63220
c = 40.69144
d = 0.44697

Bead 1856

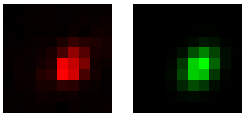
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

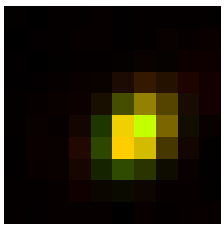
Coordinates : -157 um (x), -38.8 um (y), 40.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	444 nm	459 nm	223 nm
max	593 nm	613 nm	223 nm
z	1.44 um	1.45 um	885 nm
Asymmetry	0.747		
Theta	52.2°		

XY profile & fitting parameters :

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

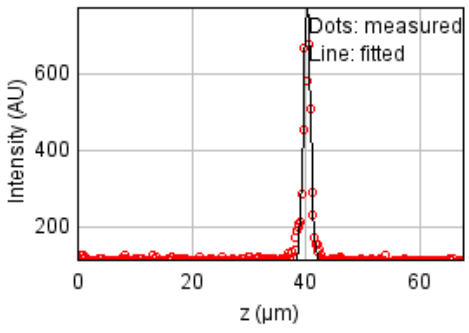




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.935

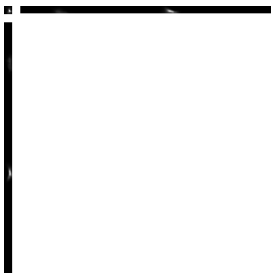
Parameters:
A = 688.221 (brightness)
B = 117.152 (background)
a = 0.569 px
b = 0.146 px
c = 0.494 px
xc = 5.603 px
yc = 5.308 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 90428.4022
Standard deviation: 17.16261
R^2: 0.95843
Parameters:
a = 111.90561
b = 772.41403
c = 40.27398
d = 0.61284

Bead 1857



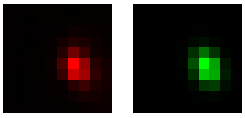
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

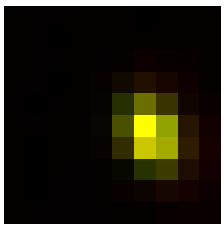
Coordinates : 79.5 um (x), -73.1 um (y), 40.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	527 nm	545 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.737		
Theta	-65.7°		

XY profile & fitting parameters :

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

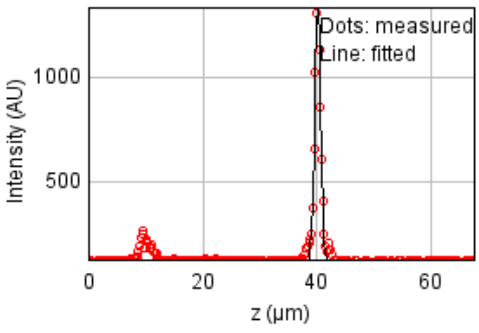




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

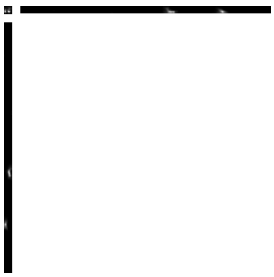
Parameters:
A = 1331.242 (brightness)
B = 126.022 (background)
a = 0.820 px
b = -0.152 px
c = 0.551 px
xc = 6.284 px
yc = 5.347 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 183843.836
Standard deviation: 24.47120
R^2: 0.97009
Parameters:
a = 120.83083
b = 1343.19882
c = 40.22298
d = 0.50886

Bead 1858



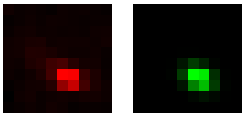
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

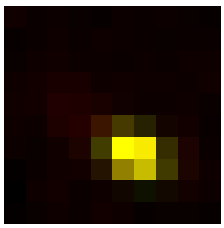
Coordinates : -162 um (x), 94.1 um (y), 40.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	333 nm	344 nm	223 nm
max	455 nm	471 nm	223 nm
z	1.74 um	1.74 um	885 nm
Asymmetry	0.731		
Theta	-28.0°		

XY profile & fitting parameters :

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

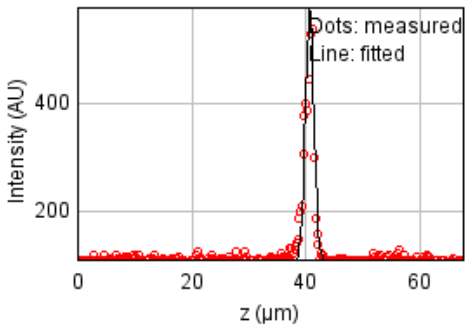




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 702.210 (brightness)
B = 118.638 (background)
a = 0.770 px
b = -0.233 px
c = 1.086 px
xc = 5.532 px
yc = 6.299 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 90286.3635
Standard deviation: 17.14912
R^2: 0.93187
Parameters:
a = 111.73952
b = 576.55703
c = 40.74159
d = 0.73796

Bead 1859

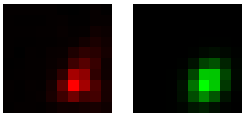
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

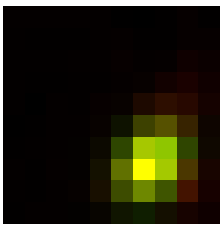
Coordinates : 64.8 um (x), 55.7 um (y), 41.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	470 nm	486 nm	223 nm
max	611 nm	632 nm	223 nm
z	1.6 um	1.61 um	885 nm
Asymmetry	0.769		
Theta	55.6°		

XY profile & fitting parameters :

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

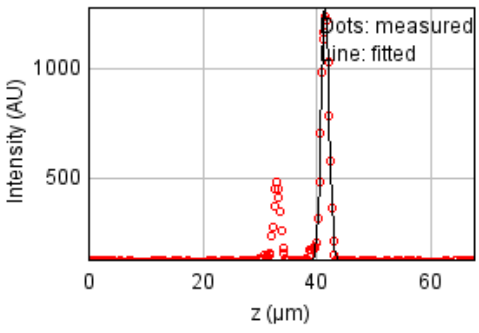




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.934

Parameters:
A = 1025.464 (brightness)
B = 128.321 (background)
a = 0.529 px
b = 0.116 px
c = 0.439 px
xc = 6.342 px
yc = 6.691 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 684953.841
Standard deviation: 47.23473
R^2: 0.91279
Parameters:
a = 124.43480
b = 1288.12655
c = 41.50878
d = 0.68144

Bead 1860

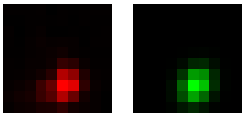
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -111 um (x), -874 nm (y), 41.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	452 nm	467 nm	223 nm
max	557 nm	576 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.811		
Theta	62.5°		

XY profile & fitting parameters :

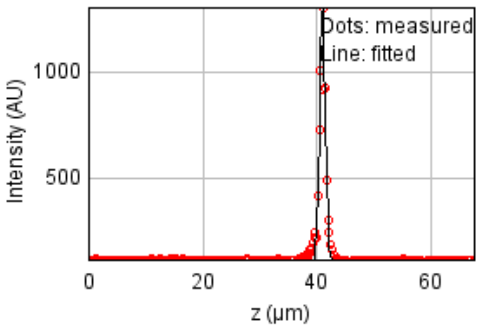
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1295.900 (brightness)
B = 126.079 (background)
a = 0.609 px
b = 0.092 px
c = 0.480 px
xc = 5.278 px
yc = 6.971 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 133357.739
Standard deviation: 20.84203
R^2: 0.97729
Parameters:
a = 114.31795
b = 1319.82557
c = 41.05074
d = 0.50345

Bead 1861

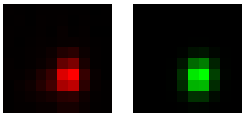
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

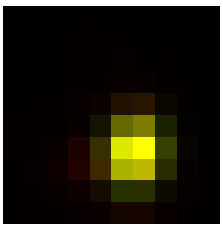
Coordinates : -65.0 um (x), -13.5 um (y), 40.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	439 nm	223 nm
max	509 nm	526 nm	223 nm
z	1.36 um	1.37 um	885 nm
Asymmetry	0.834		
Theta	81.3°		

XY profile & fitting parameters :

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

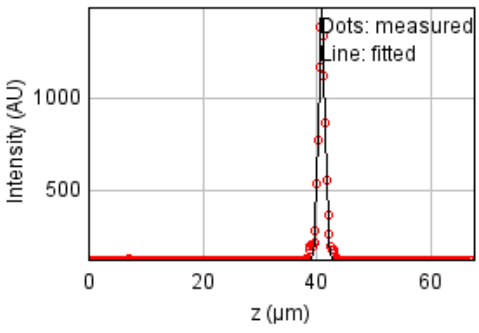




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

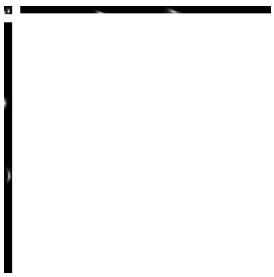
Parameters:
A = 1635.838 (brightness)
B = 128.345 (background)
a = 0.740 px
b = 0.034 px
c = 0.524 px
xc = 5.555 px
yc = 6.215 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 54770.3662
Standard deviation: 13.35684
R^2: 0.99369
Parameters:
a = 114.68006
b = 1495.13620
c = 40.92910
d = 0.57892

Bead 1862 (Rejected)



Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 53.2 um (x), -22.2 um (y), 21.6 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

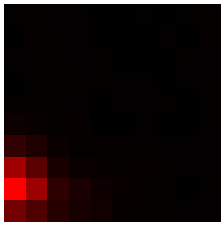
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.43 um	1.43 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

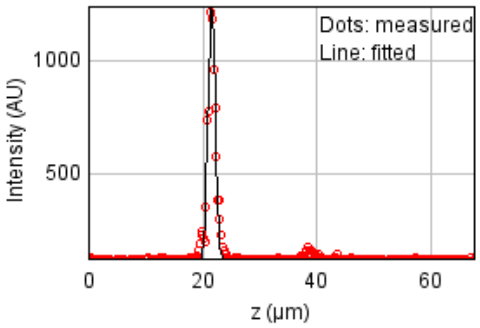
XY profile & fitting parameters :

(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: 177940.617
Standard deviation: 24.07511
R^2: 0.97142
Parameters:
a = 118.38839
b = 1248.62345
c = 21.63560
d = 0.60690

Bead 1863

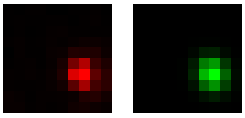
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

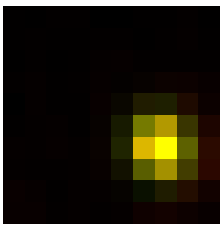
Coordinates : 91.5 um (x), -24.2 um (y), 41.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	447 nm	463 nm	223 nm
max	508 nm	526 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.88		
Theta	-68.5°		

XY profile & fitting parameters :

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

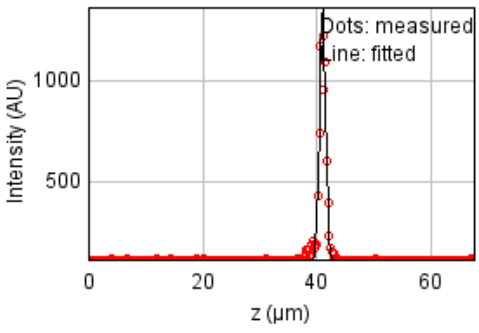




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 1201.536 (brightness)
B = 125.429 (background)
a = 0.650 px
b = -0.051 px
c = 0.539 px
xc = 6.752 px
yc = 5.951 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 223433.372
Standard deviation: 26.97769
R^2: 0.96703
Parameters:
a = 113.26361
b = 1368.25979
c = 41.06803
d = 0.53128

Bead 1864

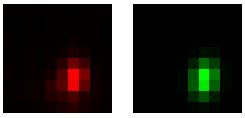
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

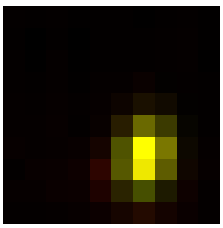
Coordinates : -49.3 um (x), -24.3 um (y), 41.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	386 nm	223 nm
max	529 nm	547 nm	223 nm
z	1.11 um	1.12 um	885 nm
Asymmetry	0.706		
Theta	80.1°		

XY profile & fitting parameters :

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

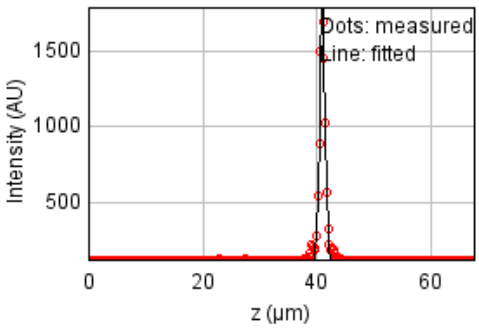




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

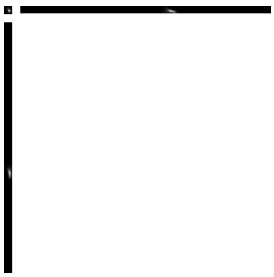
Parameters:
A = 1705.899 (brightness)
B = 130.430 (background)
a = 0.948 px
b = 0.082 px
c = 0.494 px
xc = 6.063 px
yc = 6.392 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 85741.0239
Standard deviation: 16.71187
R^2: 0.99221
Parameters:
a = 115.00063
b = 1828.23702
c = 41.03677
d = 0.47340

Bead 1865



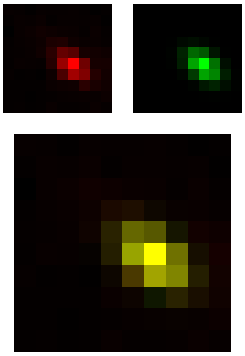
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 140 um (x), -45.6 um (y), 40.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	366 nm	379 nm	223 nm
max	589 nm	609 nm	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.621		
Theta	-39.2°		

XY profile & fitting parameters :

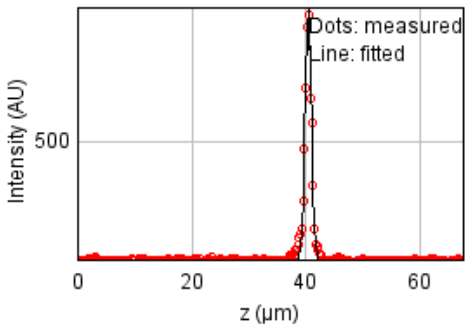
(red : the orignal data, green : the fit, yellow : the two merged)



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

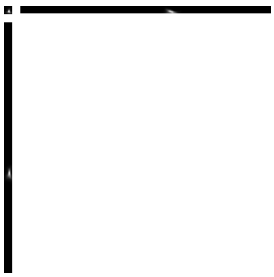
Parameters:
A = 834.395 (brightness)
B = 116.779 (background)
a = 0.632 px
b = -0.301 px
c = 0.755 px
xc = 5.941 px
yc = 5.183 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37087.7462
Standard deviation: 10.99122
R^2: 0.98743
Parameters:
a = 111.86855
b = 936.24081
c = 40.49747
d = 0.54792

Bead 1866



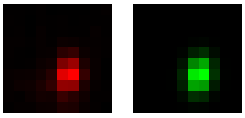
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

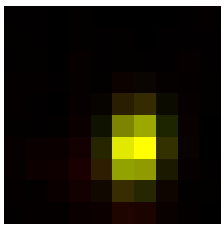
Coordinates : -81.9 um (x), -68.0 um (y), 40.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	402 nm	223 nm
max	547 nm	565 nm	223 nm
z	1.36 um	1.37 um	885 nm
Asymmetry	0.71		
Theta	80.8°		

XY profile & fitting parameters :

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

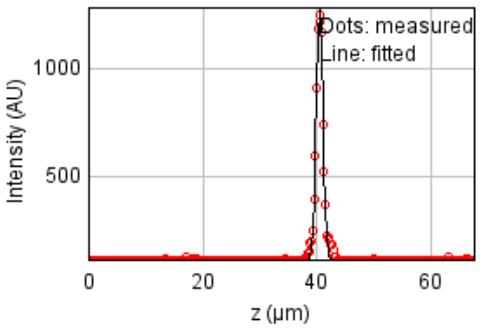




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1285.047 (brightness)
B = 127.398 (background)
a = 0.878 px
b = 0.070 px
c = 0.460 px
xc = 5.551 px
yc = 6.026 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 64877.1376
Standard deviation: 14.53706
R^2: 0.98981
Parameters:
a = 115.25518
b = 1295.90681
c = 40.55449
d = 0.57838

Bead 1867

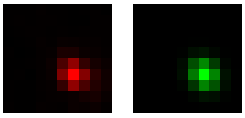
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

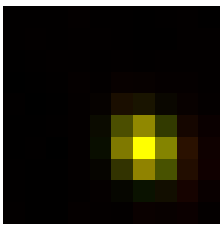
Coordinates : 87.8 um (x), -72.8 um (y), 40.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	429 nm	223 nm
max	482 nm	498 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.861		
Theta	-53.0°		

XY profile & fitting parameters :

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

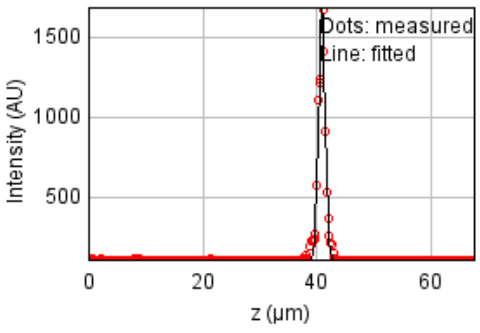




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

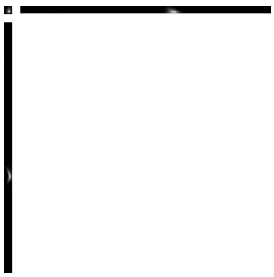
Parameters:
A = 1719.209 (brightness)
B = 125.229 (background)
a = 0.706 px
b = -0.097 px
c = 0.650 px
xc = 6.029 px
yc = 5.989 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 256954.894
Standard deviation: 28.93072
R^2: 0.97770
Parameters:
a = 114.64647
b = 1685.38528
c = 40.94366
d = 0.58452

Bead 1868 (Rejected)



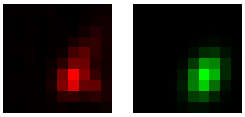
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

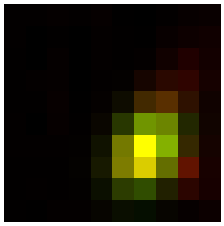
Coordinates : 58.5 um (x), 81.1 um (y), 41.4 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	463 nm	479 nm	223 nm
max	653 nm	675 nm	223 nm
z	1.47 um	1.48 um	885 nm
Asymmetry	0.709		
Theta	62.8°		

XY profile & fitting parameters :

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

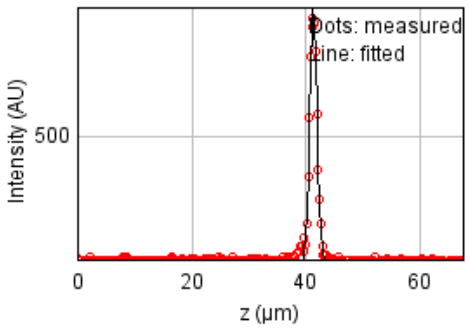




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.893

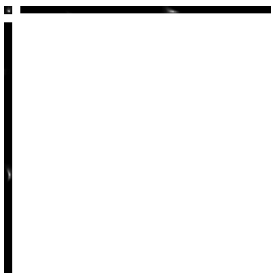
Parameters:
A = 696.001 (brightness)
B = 127.994 (background)
a = 0.560 px
b = 0.126 px
c = 0.380 px
xc = 6.134 px
yc = 6.164 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 27730.3038
Standard deviation: 9.50404
R^2: 0.99088
Parameters:
a = 114.00701
b = 900.09295
c = 41.38241
d = 0.62545

Bead 1869



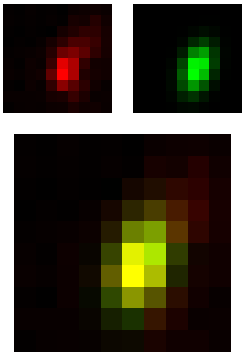
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 112 um (x), 46.5 um (y), 40.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	454 nm	223 nm
max	735 nm	760 nm	223 nm
z	1.44 um	1.45 um	885 nm
Asymmetry	0.598		
Theta	71.9°		

XY profile & fitting parameters :

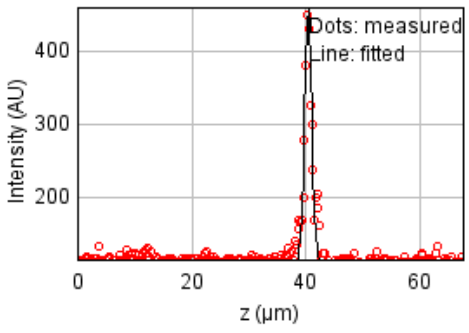
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 439.230 (brightness)
B = 126.591 (background)
a = 0.653 px
b = 0.132 px
c = 0.292 px
xc = 5.380 px
yc = 5.422 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41468.1018
Standard deviation: 11.62219
R^2: 0.93219
Parameters:
a = 113.43722
b = 458.82687
c = 40.48594
d = 0.61275

Bead 1870

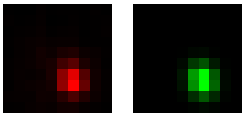
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

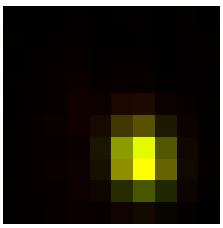
Coordinates : -152 um (x), 36.8 um (y), 41.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	431 nm	223 nm
max	500 nm	517 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.833		
Theta	-76.6°		

XY profile & fitting parameters :

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

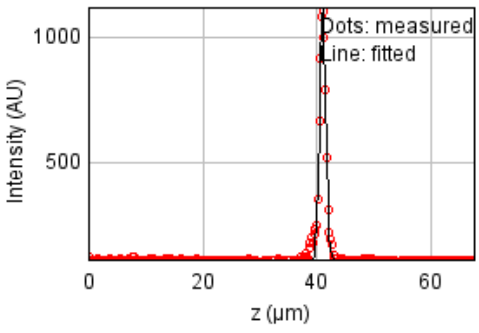




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1204.999 (brightness)
B = 128.934 (background)
a = 0.761 px
b = -0.053 px
c = 0.550 px
xc = 5.847 px
yc = 6.508 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 57971.2247
Standard deviation: 13.74159
R^2: 0.98688
Parameters:
a = 112.80164
b = 1123.40528
c = 41.08519
d = 0.54549

Bead 1871

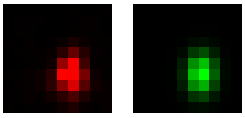
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

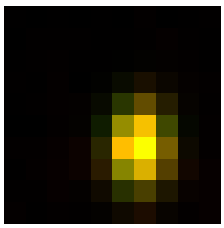
Coordinates : -29.3 um (x), 5.07 um (y), 41.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	453 nm	468 nm	223 nm
max	640 nm	662 nm	223 nm
z	1.31 um	1.31 um	885 nm
Asymmetry	0.708		
Theta	88.4°		

XY profile & fitting parameters :

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

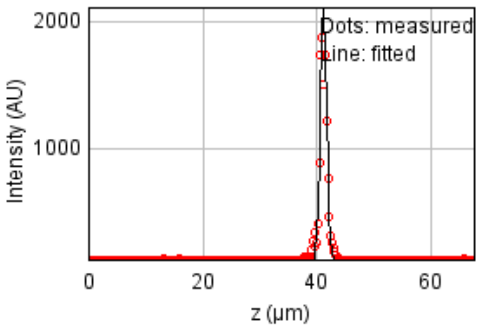




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 1694.024 (brightness)
B = 119.286 (background)
a = 0.654 px
b = 0.009 px
c = 0.328 px
xc = 5.729 px
yc = 5.937 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 889923.704
Standard deviation: 53.84027
R^2: 0.95241
Parameters:
a = 115.71668
b = 2139.62210
c = 41.22353
d = 0.55582

Bead 1872

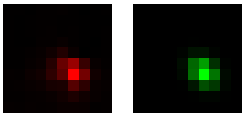
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

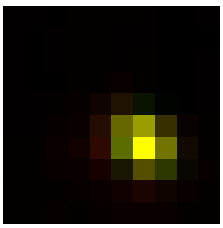
Coordinates : -64.5 um (x), -28.8 um (y), 41.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	359 nm	371 nm	223 nm
max	468 nm	483 nm	223 nm
z	1.05 um	1.05 um	885 nm
Asymmetry	0.769		
Theta	-44.4°		

XY profile & fitting parameters :

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

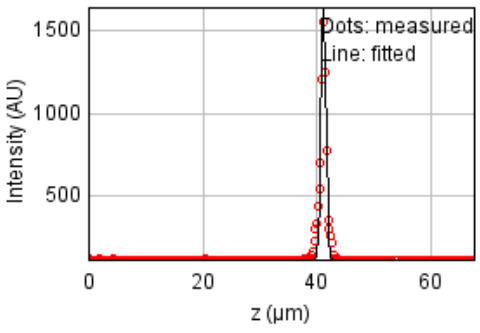




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 1724.297 (brightness)
B = 132.025 (background)
a = 0.822 px
b = -0.213 px
c = 0.831 px
xc = 5.964 px
yc = 5.779 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 263033.228
Standard deviation: 29.27090
R^2: 0.96963
Parameters:
a = 117.32409
b = 1666.56806
c = 41.23212
d = 0.44467

Bead 1873

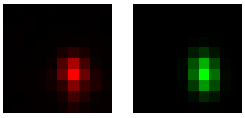
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

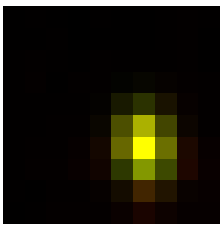
Coordinates : -13.9 um (x), -57.8 um (y), 41.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	553 nm	572 nm	223 nm
z	1.26 um	1.27 um	885 nm
Asymmetry	0.707		
Theta	-83.5°		

XY profile & fitting parameters :

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

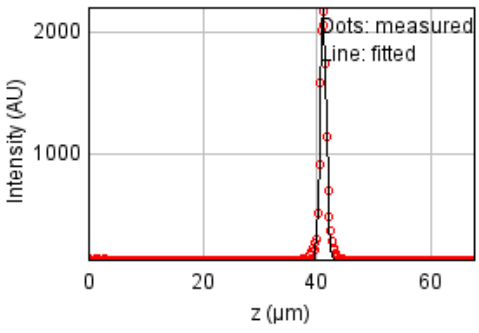




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

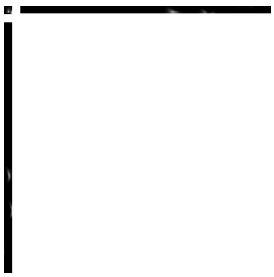
Parameters:
A = 1968.175 (brightness)
B = 133.300 (background)
a = 0.872 px
b = -0.050 px
c = 0.444 px
xc = 6.016 px
yc = 5.919 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 142376.498
Standard deviation: 21.53525
R^2: 0.99231
Parameters:
a = 118.17791
b = 2210.95488
c = 41.18438
d = 0.53598

Bead 1874



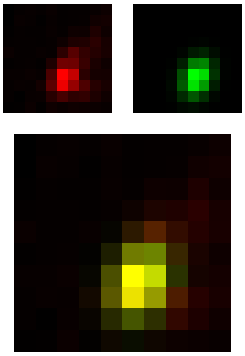
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 90.1 um (x), 54.5 um (y), 41.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	436 nm	451 nm	223 nm
max	593 nm	613 nm	223 nm
z	1.83 um	1.84 um	885 nm
Asymmetry	0.736		
Theta	68.1°		

XY profile & fitting parameters :

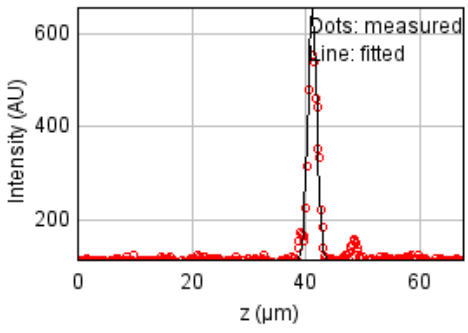
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.927

Parameters:
A = 581.021 (brightness)
B = 127.133 (background)
a = 0.660 px
b = 0.112 px
c = 0.427 px
xc = 5.339 px
yc = 6.267 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 75828.6863
Standard deviation: 15.71620
R^2: 0.95862
Parameters:
a = 114.75481
b = 655.10303
c = 41.19107
d = 0.77844

Bead 1875

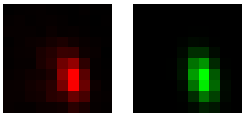
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

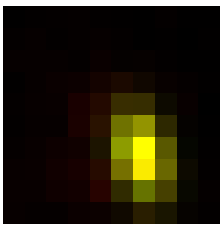
Coordinates : -106 um (x), 47.9 um (y), 41.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	420 nm	223 nm
max	685 nm	708 nm	223 nm
z	1.4 um	1.41 um	885 nm
Asymmetry	0.594		
Theta	-76.2°		

XY profile & fitting parameters :

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

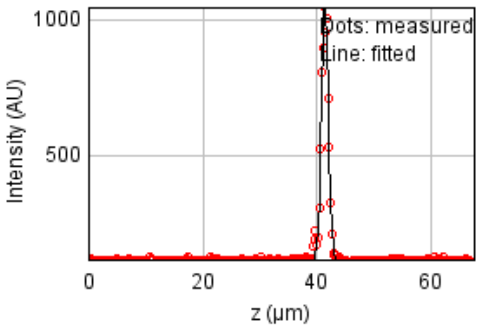




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 966.678 (brightness)
B = 133.788 (background)
a = 0.782 px
b = -0.122 px
c = 0.316 px
xc = 5.867 px
yc = 6.317 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56572.6303
Standard deviation: 13.57482
R^2: 0.98665
Parameters:
a = 113.82841
b = 1062.41095
c = 41.46578
d = 0.59529

Bead 1876

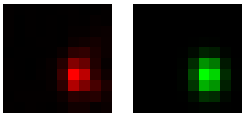
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

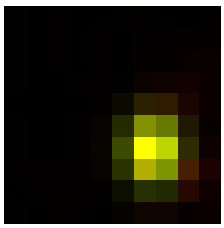
Coordinates : 34.8 um (x), 29.5 um (y), 41.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	436 nm	451 nm	223 nm
max	537 nm	555 nm	223 nm
z	1.53 um	1.53 um	885 nm
Asymmetry	0.812		
Theta	-88.5°		

XY profile & fitting parameters :

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

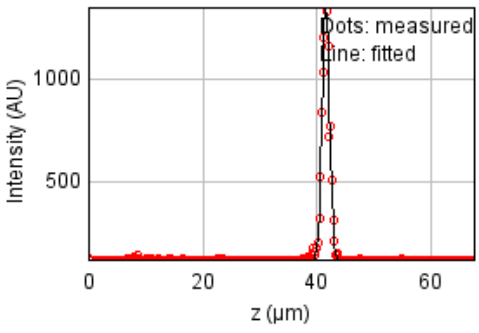




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 1311.275 (brightness)
B = 127.116 (background)
a = 0.705 px
b = -0.006 px
c = 0.466 px
xc = 6.372 px
yc = 6.104 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 86238.5239
Standard deviation: 16.76029
R^2: 0.98901
Parameters:
a = 114.96318
b = 1355.01942
c = 41.63599
d = 0.64834

Bead 1877

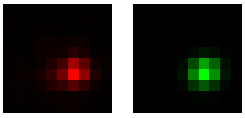
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

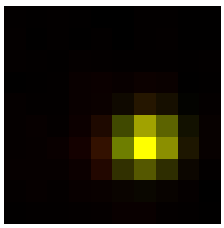
Coordinates : -123 um (x), 12.6 um (y), 41.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	429 nm	223 nm
max	462 nm	477 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.899		
Theta	18.9°		

XY profile & fitting parameters :

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

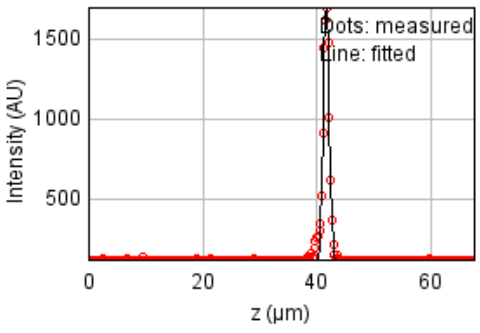




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 1556.089 (brightness)
B = 134.180 (background)
a = 0.645 px
b = 0.046 px
c = 0.763 px
xc = 6.063 px
yc = 5.797 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 108974.095
Standard deviation: 18.84050
R^2: 0.98942
Parameters:
a = 115.05347
b = 1718.95999
c = 41.70969
d = 0.50483

Bead 1878

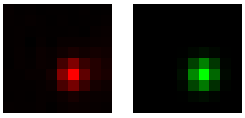
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

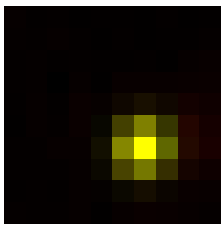
Coordinates : 138 um (x), 9.68 um (y), 41.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	427 nm	223 nm
max	434 nm	448 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.952		
Theta	68.1°		

XY profile & fitting parameters :

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

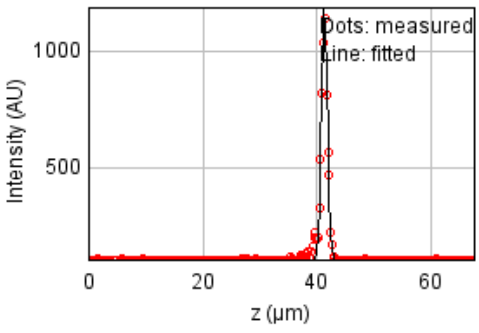




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 1106.248 (brightness)
B = 120.132 (background)
a = 0.777 px
b = 0.026 px
c = 0.724 px
xc = 5.913 px
yc = 5.982 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66888.5485
Standard deviation: 14.76069
R^2: 0.98594
Parameters:
a = 111.98250
b = 1184.11856
c = 41.38384
d = 0.52084

Bead 1879

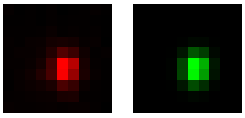
Date : Mon Oct 17 13:29:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

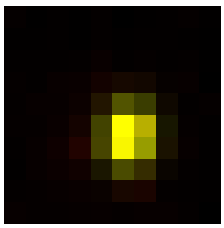
Coordinates : -113 um (x), -27.2 um (y), 40.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	408 nm	223 nm
max	484 nm	500 nm	223 nm
z	1.16 um	1.17 um	885 nm
Asymmetry	0.816		
Theta	83.1°		

XY profile & fitting parameters :

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

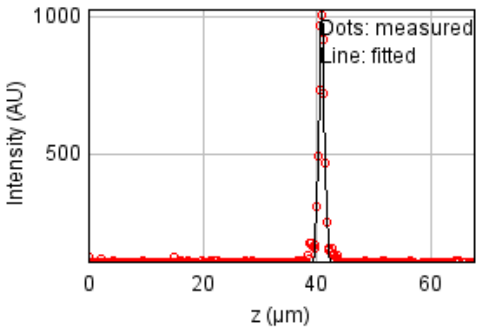




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1058.082 (brightness)
B = 125.619 (background)
a = 0.856 px
b = 0.034 px
c = 0.578 px
xc = 5.260 px
yc = 5.452 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34755.0203
Standard deviation: 10.63995
R^2: 0.98933
Parameters:
a = 112.84533
b = 1024.35329
c = 40.90161
d = 0.49421

Bead 1880

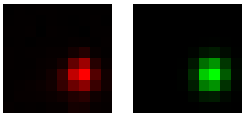
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

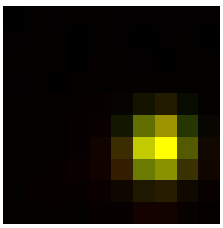
Coordinates : -39.7 um (x), -48.2 um (y), 41.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	455 nm	470 nm	223 nm
max	494 nm	510 nm	223 nm
z	1.4 um	1.41 um	885 nm
Asymmetry	0.922		
Theta	73.5°		

XY profile & fitting parameters :

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

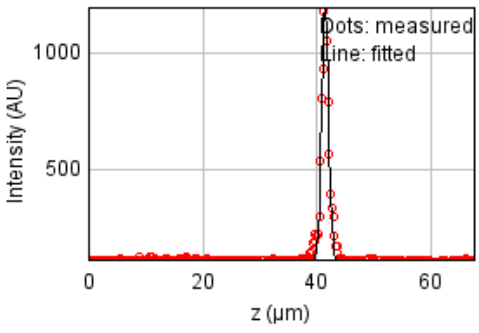




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1630.457 (brightness)
B = 126.733 (background)
a = 0.640 px
b = 0.026 px
c = 0.559 px
xc = 6.682 px
yc = 6.012 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 107332.876
Standard deviation: 18.69809
R^2: 0.98078
Parameters:
a = 116.22883
b = 1201.78455
c = 41.50821
d = 0.59550

Bead 1881

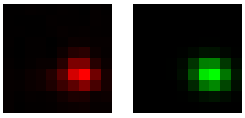
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

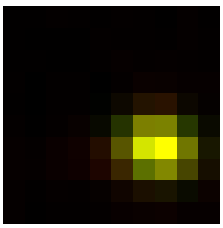
Coordinates : -56.2 um (x), -85.6 um (y), 41.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	451 nm	466 nm	223 nm
max	557 nm	575 nm	223 nm
z	1.45 um	1.45 um	885 nm
Asymmetry	0.809		
Theta	-10.8°		

XY profile & fitting parameters :

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

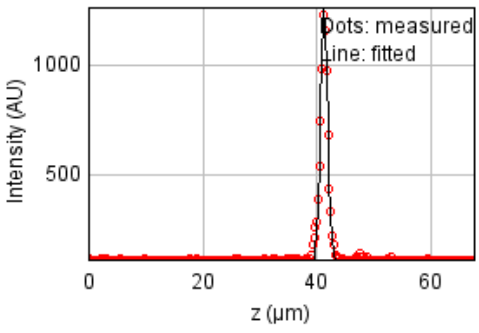




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

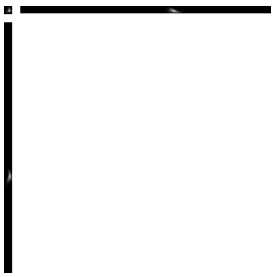
Parameters:
A = 1205.695 (brightness)
B = 124.425 (background)
a = 0.441 px
b = -0.042 px
c = 0.653 px
xc = 6.624 px
yc = 5.994 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 60948.5488
Standard deviation: 14.09005
R^2: 0.99034
Parameters:
a = 115.71836
b = 1257.82001
c = 41.32442
d = 0.61430

Bead 1882



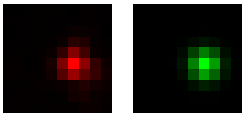
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

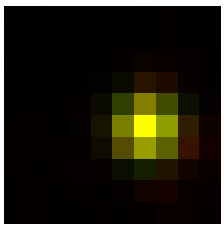
Coordinates : 40.9 um (x), -89.3 um (y), 41.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	470 nm	486 nm	223 nm
max	479 nm	495 nm	223 nm
z	1.27 um	1.28 um	885 nm
Asymmetry	0.982		
Theta	-42.7°		

XY profile & fitting parameters :

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

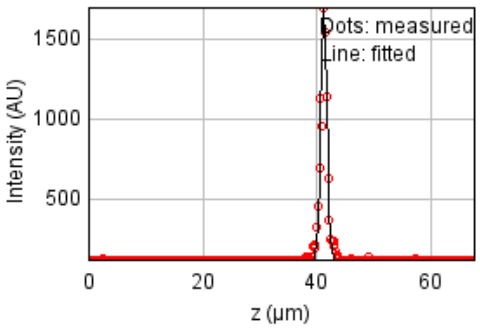




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1677.774 (brightness)
B = 134.135 (background)
a = 0.595 px
b = -0.011 px
c = 0.597 px
xc = 6.093 px
yc = 5.098 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 327855.484
Standard deviation: 32.67925
R^2: 0.97023
Parameters:
a = 116.24168
b = 1706.35670
c = 41.29045
d = 0.53979

Bead 1883

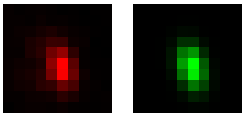
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

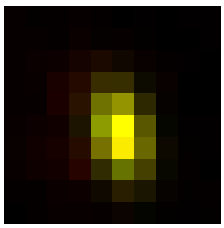
Coordinates : -106 um (x), 47.9 um (y), 41.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	684 nm	707 nm	223 nm
z	1.4 um	1.41 um	885 nm
Asymmetry	0.595		
Theta	-76.3°		

XY profile & fitting parameters :

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

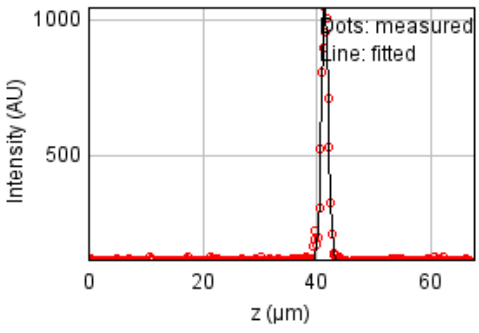




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 967.665 (brightness)
B = 133.245 (background)
a = 0.781 px
b = -0.121 px
c = 0.317 px
xc = 4.866 px
yc = 5.316 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56572.6303
Standard deviation: 13.57482
R^2: 0.98665
Parameters:
a = 113.82841
b = 1062.41095
c = 41.46578
d = 0.59529

Bead 1884

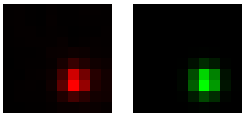
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

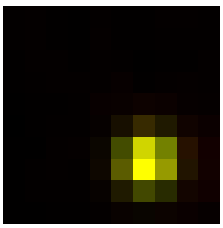
Coordinates : 120 um (x), -40.0 um (y), 41.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	432 nm	223 nm
max	430 nm	444 nm	223 nm
z	1.3 um	1.3 um	885 nm
Asymmetry	0.972		
Theta	85.6°		

XY profile & fitting parameters :

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

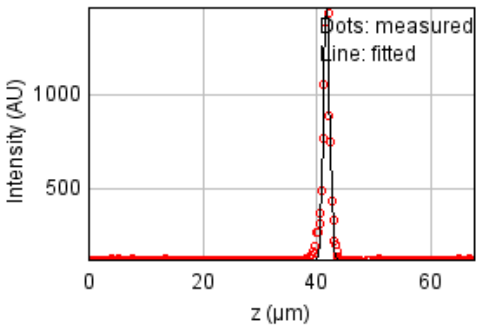




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1555.040 (brightness)
B = 121.817 (background)
a = 0.769 px
b = 0.003 px
c = 0.726 px
xc = 6.170 px
yc = 6.626 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 137827.005
Standard deviation: 21.18839
R^2: 0.98284
Parameters:
a = 113.38581
b = 1466.53360
c = 41.77281
d = 0.55107

Bead 1885

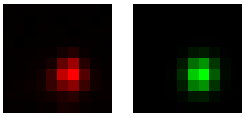
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

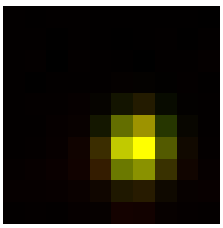
Coordinates : -39.7 um (x), -48.2 um (y), 41.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	455 nm	470 nm	223 nm
max	493 nm	510 nm	223 nm
z	1.4 um	1.41 um	885 nm
Asymmetry	0.922		
Theta	73.5°		

XY profile & fitting parameters :

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

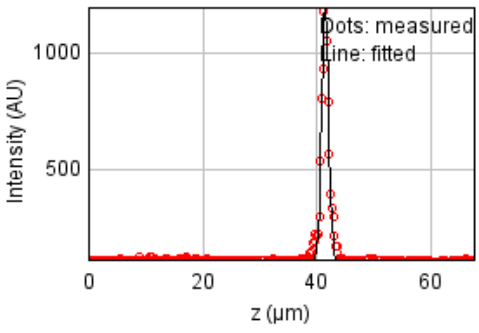




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1630.637 (brightness)
B = 127.309 (background)
a = 0.641 px
b = 0.026 px
c = 0.560 px
xc = 5.682 px
yc = 6.012 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 107332.876
Standard deviation: 18.69809
R^2: 0.98078
Parameters:
a = 116.22883
b = 1201.78455
c = 41.50821
d = 0.59550

Bead 1886

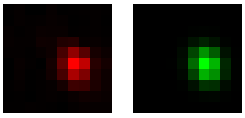
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

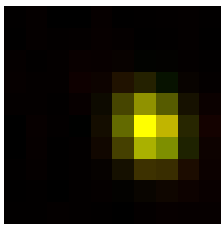
Coordinates : 122 um (x), -86.7 um (y), 41.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	459 nm	474 nm	223 nm
max	553 nm	572 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.829		
Theta	-69.8°		

XY profile & fitting parameters :

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

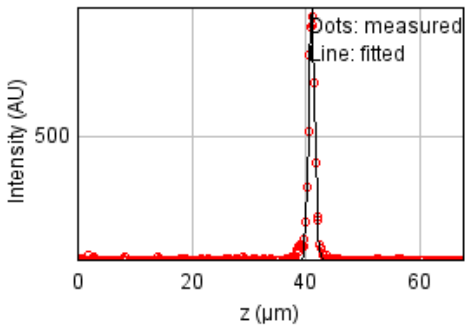




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 778.539 (brightness)
B = 117.371 (background)
a = 0.614 px
b = -0.065 px
c = 0.462 px
xc = 6.234 px
yc = 5.138 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31639.3554
Standard deviation: 10.15184
R^2: 0.98841
Parameters:
a = 112.30913
b = 908.39987
c = 41.09449
d = 0.54394

Bead 1887

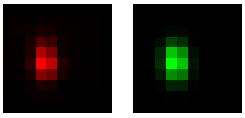
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

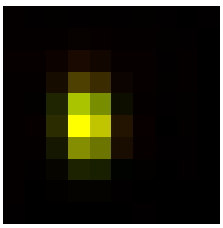
Coordinates : -87.7 um (x), 84.3 um (y), 59.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	365 nm	378 nm	223 nm
max	563 nm	582 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.649		
Theta	-86.7°		

XY profile & fitting parameters :

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

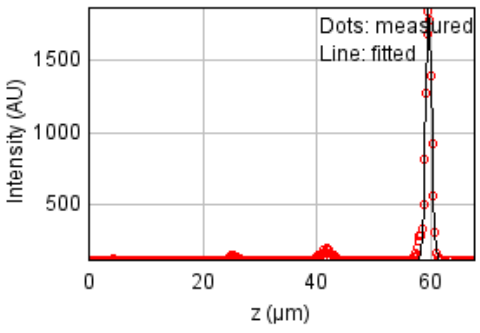




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1879.037 (brightness)
B = 125.107 (background)
a = 1.004 px
b = -0.033 px
c = 0.425 px
xc = 3.363 px
yc = 4.837 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 145655.495
Standard deviation: 21.78182
R^2: 0.98851
Parameters:
a = 120.36007
b = 1866.05956
c = 59.64444
d = 0.52459

Bead 1888

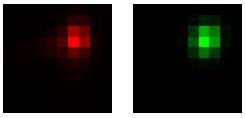
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

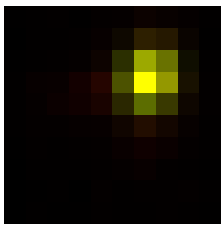
Coordinates : -42.4 um (x), 22.3 um (y), 31.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	410 nm	223 nm
max	467 nm	482 nm	223 nm
z	1.12 um	1.13 um	885 nm
Asymmetry	0.851		
Theta	73.7°		

XY profile & fitting parameters :

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

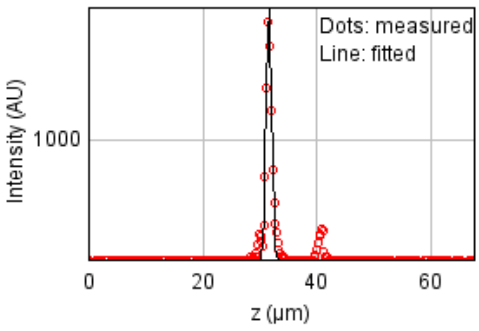




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 1897.251 (brightness)
B = 139.342 (background)
a = 0.833 px
b = 0.064 px
c = 0.635 px
xc = 6.201 px
yc = 2.808 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 489203.163
Standard deviation: 39.91861
R^2: 0.96331
Parameters:
a = 123.29573
b = 1975.19176
c = 31.67215
d = 0.47682

Bead 1889

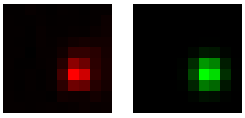
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

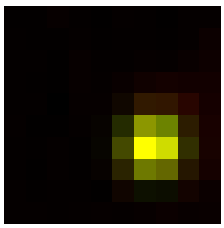
Coordinates : 110 um (x), 8.38 um (y), 41.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	438 nm	453 nm	223 nm
max	459 nm	474 nm	223 nm
z	1.56 um	1.56 um	885 nm
Asymmetry	0.955		
Theta	85.1°		

XY profile & fitting parameters :

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

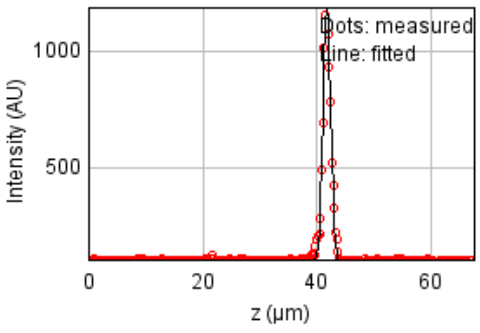




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 1165.866 (brightness)
B = 123.845 (background)
a = 0.699 px
b = 0.005 px
c = 0.639 px
xc = 6.392 px
yc = 5.910 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 60655.4038
Standard deviation: 14.05612
R^2: 0.98976
Parameters:
a = 113.15197
b = 1181.21782
c = 41.82155
d = 0.66086

Bead 1890

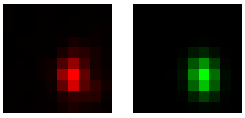
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

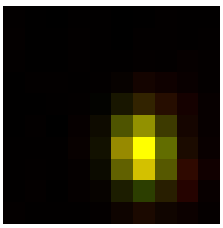
Coordinates : 24.6 um (x), -4.0 um (y), 41.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	426 nm	441 nm	223 nm
max	565 nm	584 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.754		
Theta	-83.9°		

XY profile & fitting parameters :

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

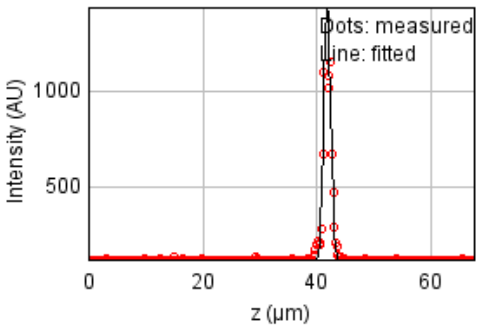




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 1536.349 (brightness)
B = 134.069 (background)
a = 0.735 px
b = -0.034 px
c = 0.424 px
xc = 5.927 px
yc = 6.162 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 400468.747
Standard deviation: 36.11729
R^2: 0.95409
Parameters:
a = 113.75179
b = 1447.84175
c = 41.87675
d = 0.59923

Bead 1891

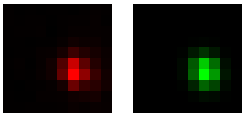
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

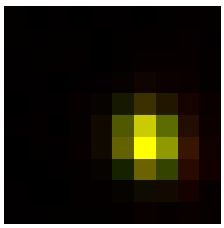
Coordinates : 88.7 um (x), -25.2 um (y), 42.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	436 nm	223 nm
max	485 nm	501 nm	223 nm
z	1.49 um	1.49 um	885 nm
Asymmetry	0.869		
Theta	-69.9°		

XY profile & fitting parameters :

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

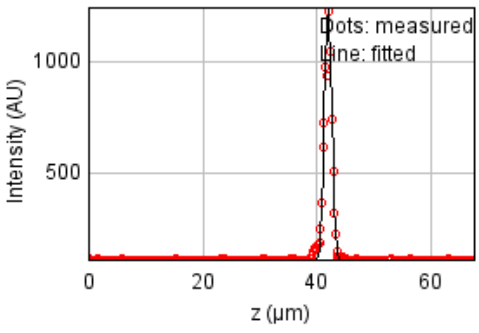




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

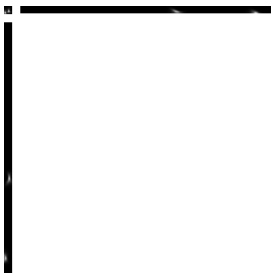
Parameters:
A = 1321.343 (brightness)
B = 124.347 (background)
a = 0.734 px
b = -0.060 px
c = 0.592 px
xc = 6.126 px
yc = 5.708 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 119702.043
Standard deviation: 19.74611
R^2: 0.98124
Parameters:
a = 112.48287
b = 1240.54007
c = 42.03021
d = 0.63140

Bead 1892



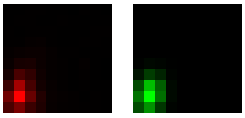
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -5.28 um (x), -45.5 um (y), 63.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	415 nm	223 nm
max	568 nm	587 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.708		
Theta	79.3°		

XY profile & fitting parameters :

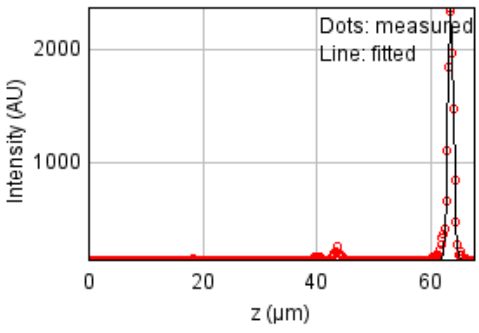
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 2076.446 (brightness)
B = 134.087 (background)
a = 0.817 px
b = 0.075 px
c = 0.430 px
xc = 1.000 px
yc = 7.843 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 227963.498
Standard deviation: 27.24981
R^2: 0.98873
Parameters:
a = 121.30949
b = 2403.64234
c = 63.50948
d = 0.48925

Bead 1893

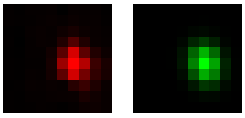
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

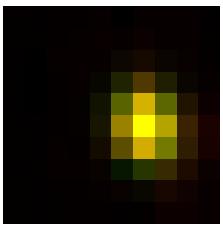
Coordinates : 80.3 um (x), -89.5 um (y), 41.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	482 nm	498 nm	223 nm
max	603 nm	623 nm	223 nm
z	1.46 um	1.47 um	885 nm
Asymmetry	0.799		
Theta	-75.5°		

XY profile & fitting parameters :

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

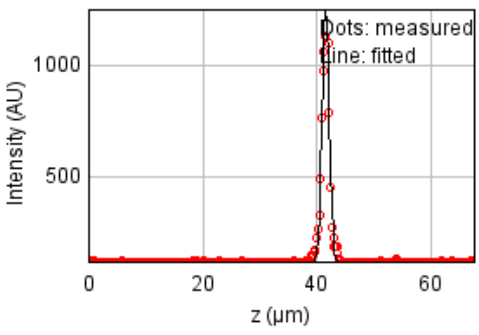




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 1097.122 (brightness)
B = 121.118 (background)
a = 0.565 px
b = -0.051 px
c = 0.383 px
xc = 6.105 px
yc = 4.991 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 149073.744
Standard deviation: 22.03593
R^2: 0.97679
Parameters:
a = 113.81958
b = 1252.12213
c = 41.60535
d = 0.62104

Bead 1894

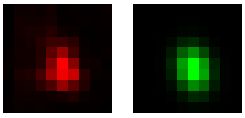
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

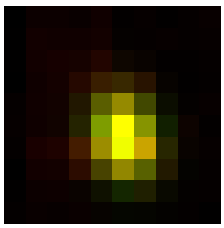
Coordinates : -114 um (x), 82.8 um (y), 41.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	504 nm	521 nm	223 nm
max	669 nm	692 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.753		
Theta	-76.1°		

XY profile & fitting parameters :

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

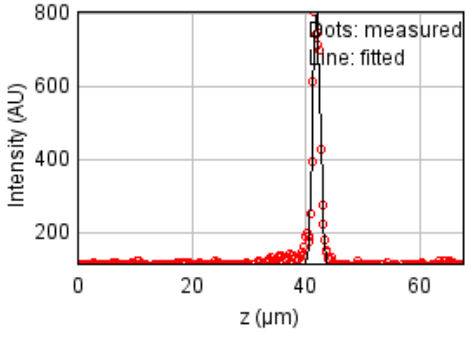




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

Parameters:
A = 658.787 (brightness)
B = 123.473 (background)
a = 0.516 px
b = -0.053 px
c = 0.313 px
xc = 5.024 px
yc = 5.494 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 72773.3259
Standard deviation: 15.39632
R^2: 0.97025
Parameters:
a = 115.03854
b = 810.77133
c = 41.92618
d = 0.62926

Bead 1895

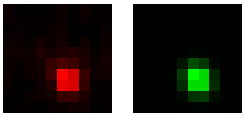
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

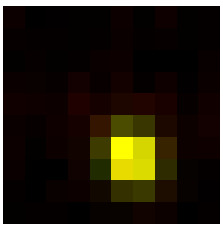
Coordinates : -164 um (x), 58.9 um (y), 41.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	408 nm	223 nm
max	458 nm	473 nm	223 nm
z	1.41 um	1.41 um	885 nm
Asymmetry	0.861		
Theta	-64.0°		

XY profile & fitting parameters :

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

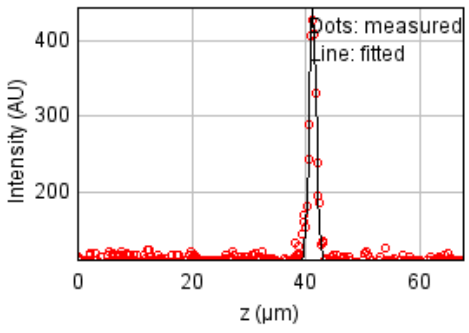




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

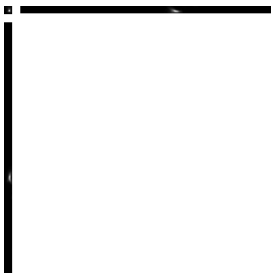
Parameters:
A = 480.215 (brightness)
B = 121.401 (background)
a = 0.821 px
b = -0.088 px
c = 0.683 px
xc = 5.439 px
yc = 6.444 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22731.8323
Standard deviation: 8.60494
R^2: 0.95862
Parameters:
a = 110.89356
b = 446.80147
c = 41.26656
d = 0.59802

Bead 1896



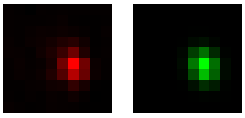
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

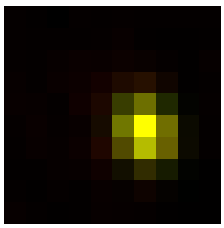
Coordinates : -134 um (x), 36.0 um (y), 41.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	415 nm	223 nm
max	497 nm	514 nm	223 nm
z	1.31 um	1.31 um	885 nm
Asymmetry	0.808		
Theta	-72.3°		

XY profile & fitting parameters :

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

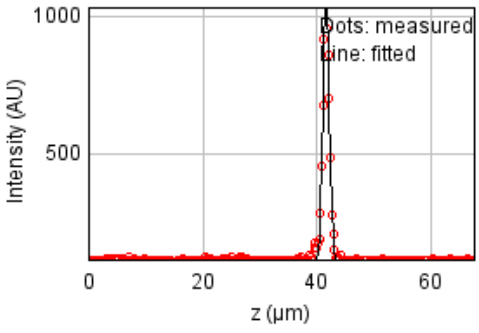




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

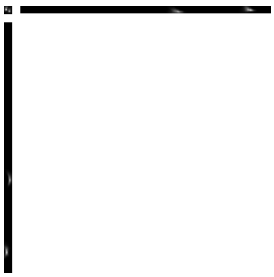
Parameters:
A = 983.009 (brightness)
B = 127.376 (background)
a = 0.805 px
b = -0.084 px
c = 0.570 px
xc = 6.000 px
yc = 5.231 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35578.2887
Standard deviation: 10.76523
R^2: 0.99075
Parameters:
a = 113.52827
b = 1049.35923
c = 41.68314
d = 0.55608

Bead 1897



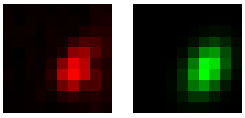
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

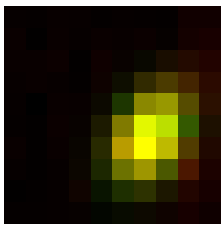
Coordinates : 85.0 um (x), 34.9 um (y), 42.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	535 nm	553 nm	223 nm
max	782 nm	808 nm	223 nm
z	1.56 um	1.57 um	885 nm
Asymmetry	0.684		
Theta	59.9°		

XY profile & fitting parameters :

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

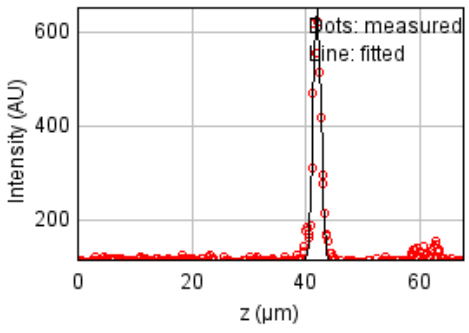




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

Parameters:
A = 588.526 (brightness)
B = 116.738 (background)
a = 0.406 px
b = 0.108 px
c = 0.282 px
xc = 6.249 px
yc = 5.463 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61534.6762
Standard deviation: 14.15764
R^2: 0.96040
Parameters:
a = 113.72209
b = 651.26625
c = 42.02076
d = 0.66414

Bead 1898

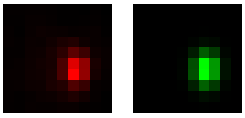
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

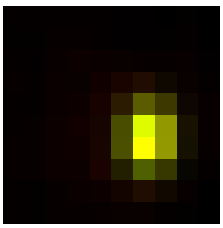
Coordinates : -137 um (x), 19.2 um (y), 41.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	413 nm	223 nm
max	519 nm	536 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.771		
Theta	88.5°		

XY profile & fitting parameters :

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

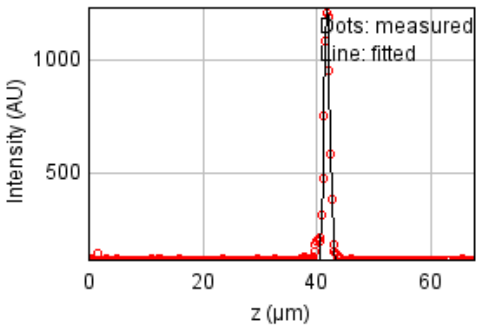




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1340.390 (brightness)
B = 136.057 (background)
a = 0.840 px
b = 0.009 px
c = 0.499 px
xc = 6.198 px
yc = 5.516 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53469.3500
Standard deviation: 13.19724
R^2: 0.98914
Parameters:
a = 113.12358
b = 1242.30021
c = 41.85173
d = 0.48641

Bead 1899

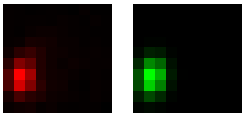
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

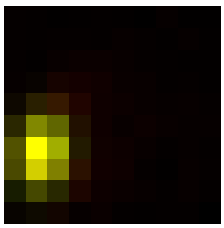
Coordinates : 76.8 um (x), -4.67 um (y), 53.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	432 nm	223 nm
max	568 nm	587 nm	223 nm
z	1.35 um	1.35 um	885 nm
Asymmetry	0.736		
Theta	82.1°		

XY profile & fitting parameters :

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

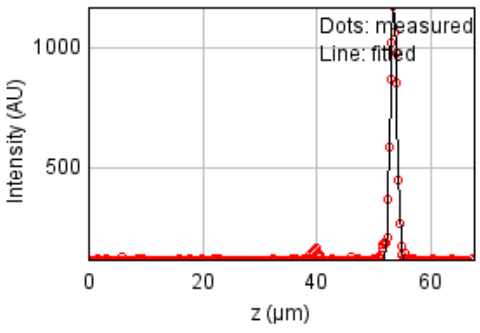




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 1097.895 (brightness)
B = 128.518 (background)
a = 0.762 px
b = 0.048 px
c = 0.423 px
xc = 1.234 px
yc = 6.222 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 68906.7024
Standard deviation: 14.98172
R^2: 0.98658
Parameters:
a = 115.00017
b = 1178.39370
c = 53.52706
d = 0.57304

Bead 1900

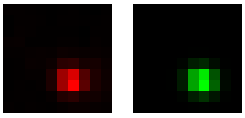
Date : Mon Oct 17 13:29:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

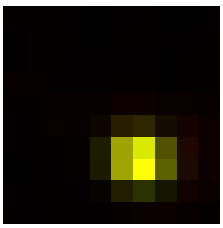
Coordinates : 137 um (x), -10.7 um (y), 42.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	406 nm	223 nm
max	441 nm	455 nm	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.891		
Theta	-14.3°		

XY profile & fitting parameters :

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

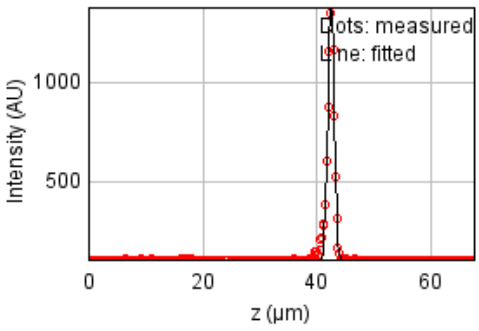




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1445.271 (brightness)
B = 121.194 (background)
a = 0.703 px
b = -0.043 px
c = 0.861 px
xc = 5.789 px
yc = 6.543 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 76682.0187
Standard deviation: 15.80438
R^2: 0.98908
Parameters:
a = 112.96209
b = 1384.39856
c = 42.54768
d = 0.54918