Bead 2401

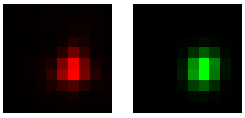
Date : Mon Oct 17 13:29:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

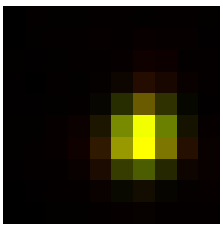
Coordinates : -92.9 um (x), -83.1 um (y), 53.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	451 nm	466 nm	223 nm
max	518 nm	535 nm	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.87		
Theta	73.2°		

XY profile & fitting parameters :

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

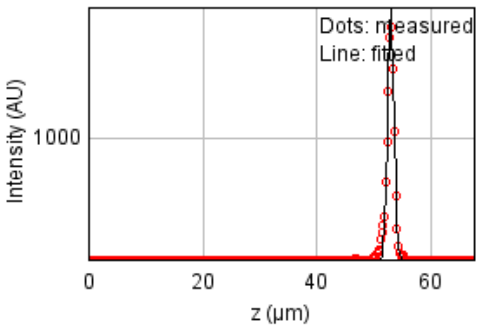




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 2119.902 (brightness)
B = 129.499 (background)
a = 0.648 px
b = 0.044 px
c = 0.514 px
xc = 5.933 px
yc = 5.511 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 153245.711
Standard deviation: 22.34215
R^2: 0.98967
Parameters:
a = 115.07125
b = 1939.82154
c = 53.02744
d = 0.56400

Bead 2402

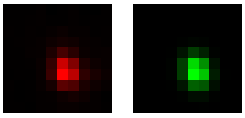
Date : Mon Oct 17 13:29:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

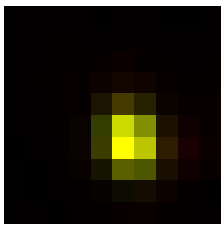
Coordinates : 105 um (x), -85.1 um (y), 53.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	406 nm	223 nm
max	494 nm	511 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.794		
Theta	-75.4°		

XY profile & fitting parameters :

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

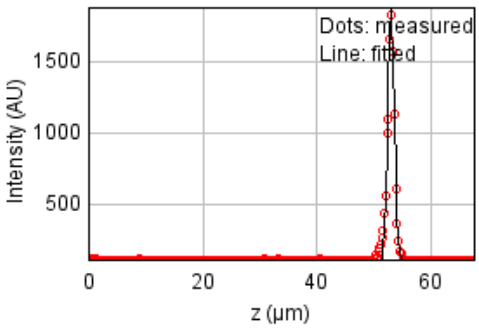




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 2018.134 (brightness)
B = 133.290 (background)
a = 0.850 px
b = -0.078 px
c = 0.570 px
xc = 5.316 px
yc = 5.685 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 169641.023
Standard deviation: 23.50695
R^2: 0.98802
Parameters:
a = 114.24895
b = 1890.24102
c = 53.07574
d = 0.56754

Bead 2403

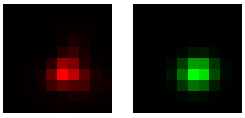
Date : Mon Oct 17 13:29:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

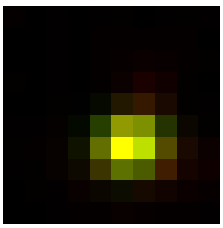
Coordinates : 2.5 um (x), -89.5 um (y), 53.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	447 nm	462 nm	223 nm
max	529 nm	547 nm	223 nm
z	1.39 um	1.4 um	885 nm
Asymmetry	0.845		
Theta	10.5°		

XY profile & fitting parameters :

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

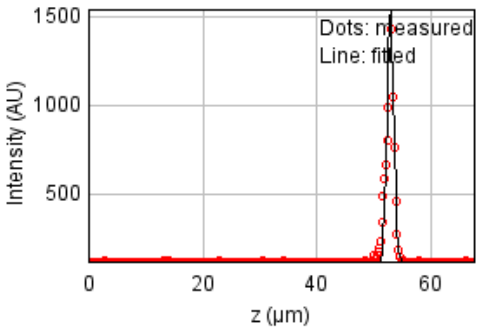




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 1496.744 (brightness)
B = 130.184 (background)
a = 0.486 px
b = 0.035 px
c = 0.665 px
xc = 5.372 px
yc = 5.864 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 322785.817
Standard deviation: 32.42560
R^2: 0.96714
Parameters:
a = 115.80300
b = 1550.98307
c = 52.95687
d = 0.59073

Bead 2404

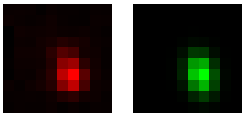
Date : Mon Oct 17 13:29:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

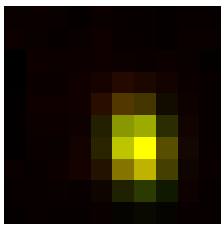
Coordinates : -125 um (x), 90.2 um (y), 52.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	426 nm	440 nm	223 nm
max	605 nm	626 nm	223 nm
z	1.3 um	1.3 um	885 nm
Asymmetry	0.703		
Theta	-77.7°		

XY profile & fitting parameters :

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

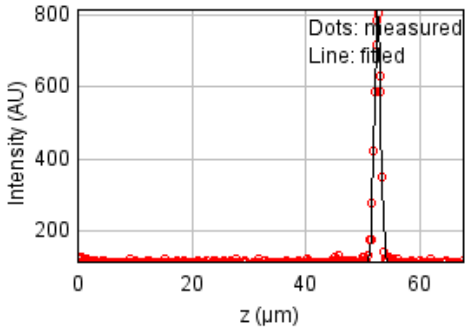




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 707.175 (brightness)
B = 117.022 (background)
a = 0.724 px
b = -0.078 px
c = 0.383 px
xc = 5.681 px
yc = 5.969 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33075.7014
Standard deviation: 10.37971
R^2: 0.98491
Parameters:
a = 112.00072
b = 819.67122
c = 52.63933
d = 0.55076

Bead 2405

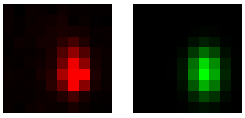
Date : Mon Oct 17 13:29:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

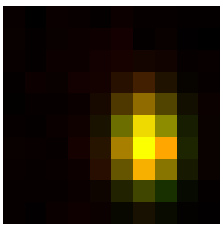
Coordinates : -141 um (x), 72.0 um (y), 53.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	490 nm	506 nm	223 nm
max	705 nm	728 nm	223 nm
z	1.43 um	1.43 um	885 nm
Asymmetry	0.695		
Theta	-88.3°		

XY profile & fitting parameters :

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

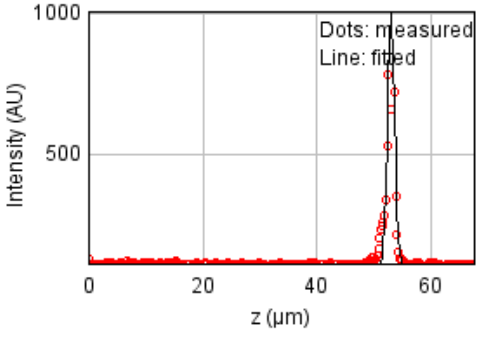




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 652.259 (brightness)
B = 114.530 (background)
a = 0.560 px
b = -0.008 px
c = 0.271 px
xc = 6.120 px
yc = 5.806 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 269547.905
Standard deviation: 29.63117
R^2: 0.93347
Parameters:
a = 113.59345
b = 1007.33890
c = 53.07912
d = 0.60691

Bead 2406

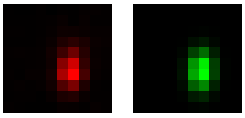
Date : Mon Oct 17 13:29:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

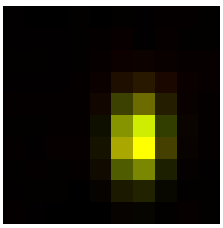
Coordinates : -65.0 um (x), 52.9 um (y), 52.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	383 nm	396 nm	223 nm
max	614 nm	634 nm	223 nm
z	1.05 um	1.06 um	885 nm
Asymmetry	0.624		
Theta	87.7°		

XY profile & fitting parameters :

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

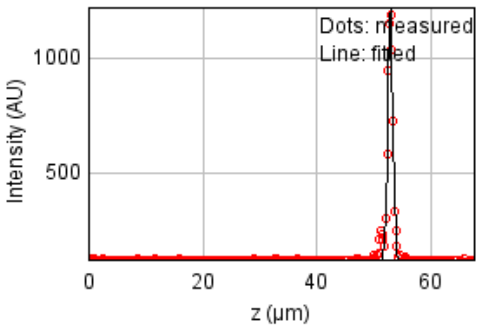




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1401.533 (brightness)
B = 124.480 (background)
a = 0.915 px
b = 0.022 px
c = 0.357 px
xc = 5.742 px
yc = 5.624 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 73529.5159
Standard deviation: 15.47610
R^2: 0.98360
Parameters:
a = 115.64634
b = 1235.32499
c = 52.94707
d = 0.44703

Bead 2407

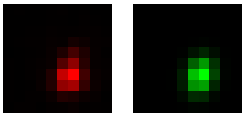
Date : Mon Oct 17 13:29:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

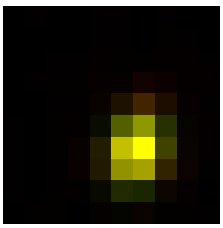
Coordinates : -39.2 um (x), 43.8 um (y), 53.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	414 nm	223 nm
max	538 nm	556 nm	223 nm
z	1.11 um	1.12 um	885 nm
Asymmetry	0.745		
Theta	75.6°		

XY profile & fitting parameters :

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

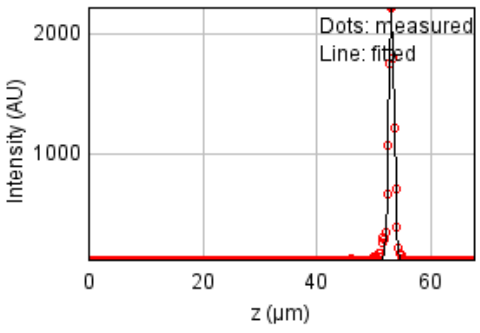




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 2285.600 (brightness)
B = 128.261 (background)
a = 0.812 px
b = 0.090 px
c = 0.487 px
xc = 5.666 px
yc = 6.088 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 105436.224
Standard deviation: 18.53215
R^2: 0.99388
Parameters:
a = 118.07392
b = 2264.95388
c = 53.14511
d = 0.47313

Bead 2408

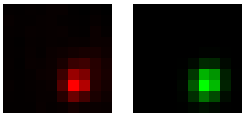
Date : Mon Oct 17 13:29:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

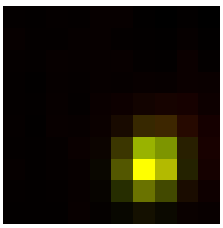
Coordinates : 153 um (x), 24.2 um (y), 52.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	431 nm	445 nm	223 nm
max	495 nm	512 nm	223 nm
z	1.48 um	1.48 um	885 nm
Asymmetry	0.869		
Theta	65.8°		

XY profile & fitting parameters :

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

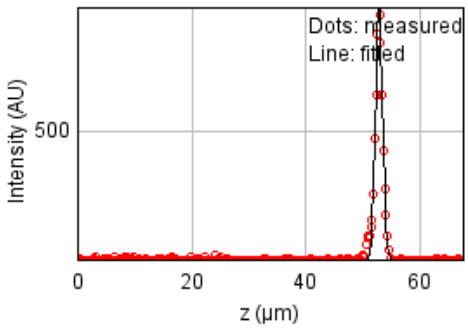




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 803.676 (brightness)
B = 119.596 (background)
a = 0.694 px
b = 0.066 px
c = 0.577 px
xc = 6.294 px
yc = 6.773 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33142.1678
Standard deviation: 10.39014
R^2: 0.98860
Parameters:
a = 111.68748
b = 877.95278
c = 52.89501
d = 0.62805

Bead 2409

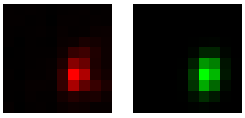
Date : Mon Oct 17 13:29:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

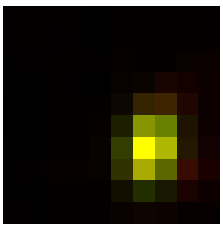
Coordinates : 55.9 um (x), 13.6 um (y), 53.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	546 nm	565 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.706		
Theta	78.6°		

XY profile & fitting parameters :

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

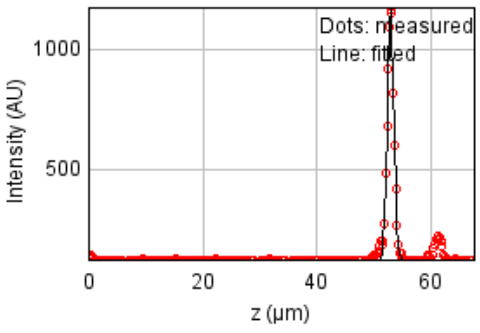




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 1084.051 (brightness)
B = 124.067 (background)
a = 0.883 px
b = 0.087 px
c = 0.467 px
xc = 6.311 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: 103923.252
Standard deviation: 18.39870
R^2: 0.97962
Parameters:
a = 117.71492
b = 1178.49484
c = 52.98969
d = 0.56790

Bead 2410

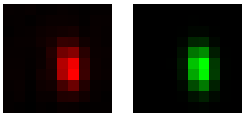
Date : Mon Oct 17 13:29:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

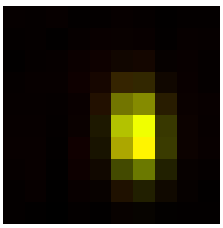
Coordinates : -141 um (x), 51.0 um (y), 53.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	644 nm	666 nm	223 nm
z	1.21 um	1.21 um	885 nm
Asymmetry	0.599		
Theta	-84.9°		

XY profile & fitting parameters :

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

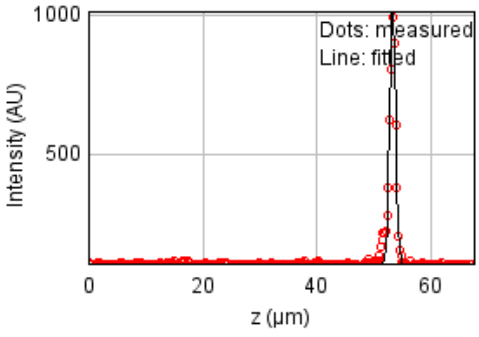




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.989

Parameters:
A = 1111.131 (brightness)
B = 124.825 (background)
a = 0.897 px
b = -0.051 px
c = 0.328 px
xc = 5.677 px
yc = 5.377 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61561.9757
Standard deviation: 14.16078
R^2: 0.98208
Parameters:
a = 113.51908
b = 1029.69595
c = 53.34678
d = 0.51272

Bead 2411

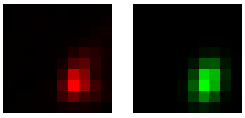
Date : Mon Oct 17 13:29:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

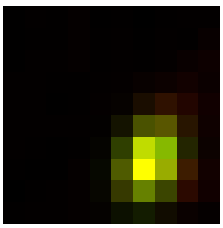
Coordinates : 46.7 um (x), 48.0 um (y), 53.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	437 nm	223 nm
max	593 nm	613 nm	223 nm
z	1.42 um	1.43 um	885 nm
Asymmetry	0.712		
Theta	71.6°		

XY profile & fitting parameters :

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

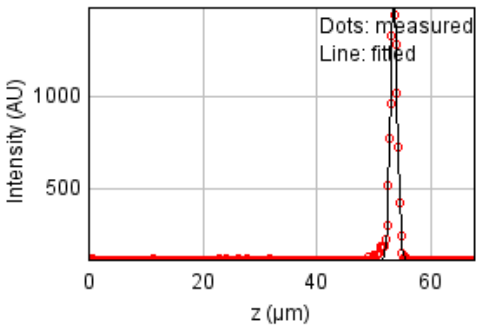




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 1339.304 (brightness)
B = 130.732 (background)
a = 0.715 px
b = 0.111 px
c = 0.418 px
xc = 6.284 px
yc = 6.605 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 49134.9602
Standard deviation: 12.65104
R^2: 0.99455
Parameters:
a = 113.52992
b = 1492.50158
c = 53.55115
d = 0.60476

Bead 2412

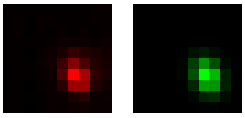
Date : Mon Oct 17 13:29:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

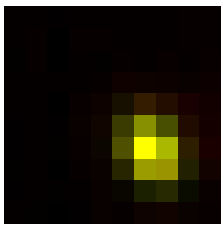
Coordinates : 152 um (x), -7.29 um (y), 52.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	420 nm	223 nm
max	537 nm	555 nm	223 nm
z	1.22 um	1.22 um	885 nm
Asymmetry	0.756		
Theta	-63.7°		

XY profile & fitting parameters :

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

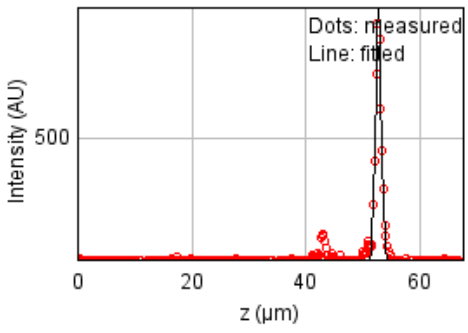




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 852.989 (brightness)
B = 120.256 (background)
a = 0.746 px
b = -0.139 px
c = 0.534 px
xc = 6.302 px
yc = 6.117 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 69255.5554
Standard deviation: 15.01959
R^2: 0.97409
Parameters:
a = 113.16785
b = 915.25179
c = 52.79162
d = 0.51619

Bead 2413

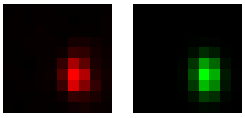
Date : Mon Oct 17 13:29:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

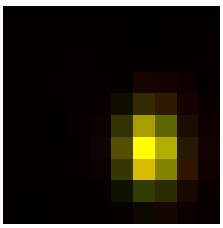
Coordinates : 80.4 um (x), -32.1 um (y), 53.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	429 nm	223 nm
max	575 nm	594 nm	223 nm
z	1.4 um	1.4 um	885 nm
Asymmetry	0.721		
Theta	-86.8°		

XY profile & fitting parameters :

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

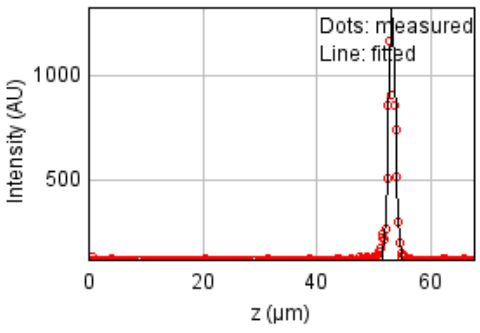




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1326.429 (brightness)
B = 125.334 (background)
a = 0.779 px
b = -0.021 px
c = 0.407 px
xc = 6.255 px
yc = 6.122 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 310763.550
Standard deviation: 31.81602
R^2: 0.95645
Parameters:
a = 113.76458
b = 1328.33836
c = 53.23600
d = 0.59266

Bead 2414

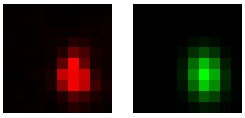
Date : Mon Oct 17 13:29:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

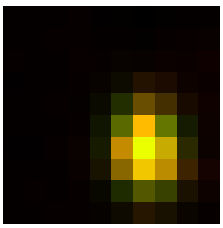
Coordinates : -13.2 um (x), -39.8 um (y), 53.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	511 nm	528 nm	223 nm
max	693 nm	717 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.736		
Theta	-83.7°		

XY profile & fitting parameters :

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

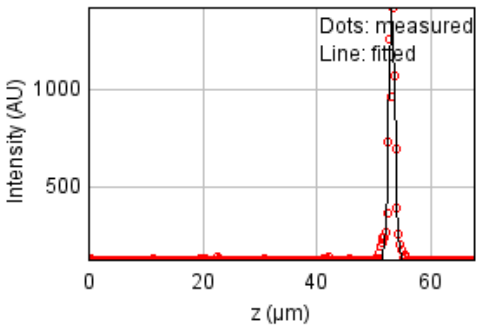




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

Parameters:
A = 1054.162 (brightness)
B = 115.917 (background)
a = 0.512 px
b = -0.026 px
c = 0.282 px
xc = 6.109 px
yc = 6.068 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 401062.600
Standard deviation: 36.14406
R^2: 0.94856
Parameters:
a = 115.66507
b = 1433.93081
c = 53.20016
d = 0.54369

Bead 2415 (Rejected)

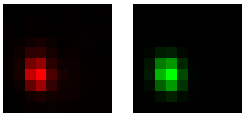
Date : Mon Oct 17 13:29:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

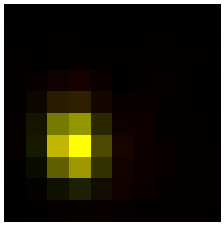
Coordinates : 128 um (x), -58.7 um (y), 51.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	420 nm	223 nm
max	513 nm	530 nm	223 nm
z	2.96 um	2.97 um	885 nm
Asymmetry	0.793		
Theta	-77.9°		

XY profile & fitting parameters :

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

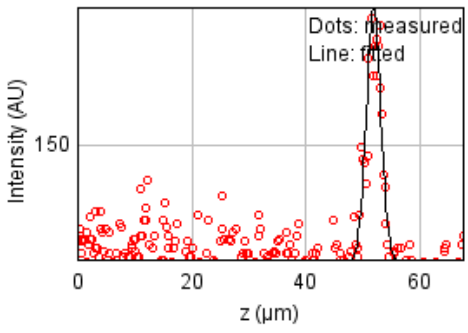




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1423.046 (brightness)
B = 128.722 (background)
a = 0.799 px
b = -0.062 px
c = 0.524 px
xc = 2.710 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: 18984.3478
Standard deviation: 7.86373
R^2: 0.77212
Parameters:
a = 112.66215
b = 195.16643
c = 51.93841
d = 1.25534

Bead 2416

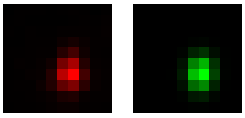
Date : Mon Oct 17 13:29:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

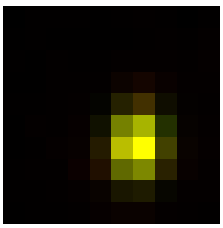
Coordinates : -62.5 um (x), -60.7 um (y), 53.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	414 nm	223 nm
max	524 nm	542 nm	223 nm
z	1.17 um	1.18 um	885 nm
Asymmetry	0.764		
Theta	86.9°		

XY profile & fitting parameters :

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

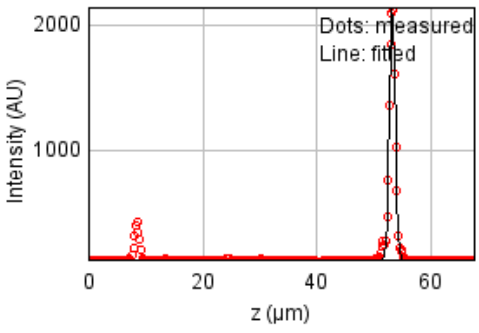




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

Parameters:
A = 2077.536 (brightness)
B = 127.745 (background)
a = 0.834 px
b = 0.019 px
c = 0.489 px
xc = 5.682 px
yc = 5.869 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 445074.014
Standard deviation: 38.07562
R^2: 0.97306
Parameters:
a = 123.62181
b = 2153.06080
c = 53.30069
d = 0.49736

Bead 2417

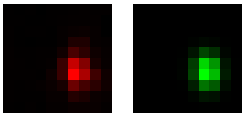
Date : Mon Oct 17 13:29:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

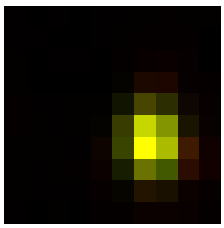
Coordinates : -14.0 um (x), -84.6 um (y), 53.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	418 nm	223 nm
max	527 nm	545 nm	223 nm
z	1.37 um	1.37 um	885 nm
Asymmetry	0.766		
Theta	-85.3°		

XY profile & fitting parameters :

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

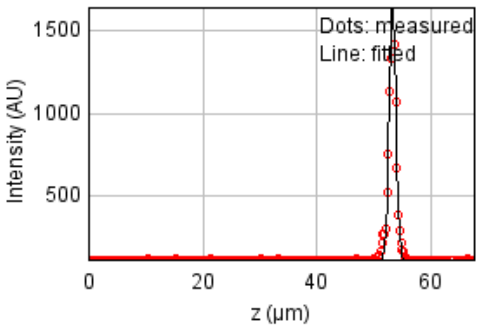




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

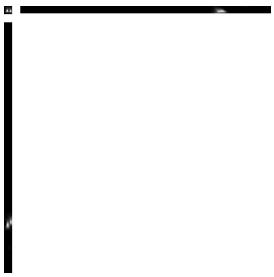
Parameters:
A = 1622.595 (brightness)
B = 127.044 (background)
a = 0.820 px
b = -0.028 px
c = 0.485 px
xc = 6.299 px
yc = 5.696 px

Z profile & fitting parameters:



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

Bead 2418 (Rejected)



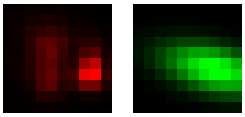
Date : Mon Oct 17 13:29:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

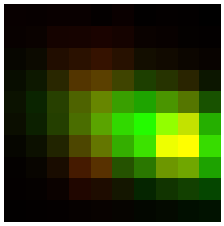
Coordinates : -62.5 um (x), 91.2 um (y), 53.7 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	691 nm	715 nm	223 nm
max	1.61 um	1.66 um	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.43		
Theta	-14.6°		

XY profile & fitting parameters :

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

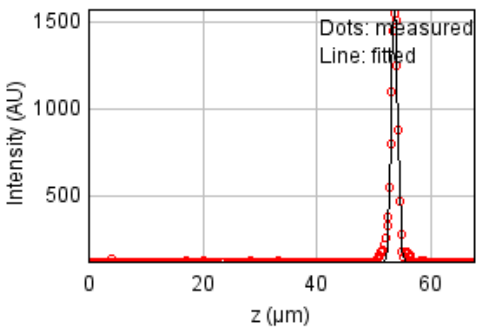




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.566

Parameters:
A = 727.900 (brightness)
B = 164.751 (background)
a = 0.066 px
b = -0.056 px
c = 0.266 px
xc = 7.032 px
yc = 5.513 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 109632.055
Standard deviation: 18.89729
R^2: 0.98832
Parameters:
a = 116.60407
b = 1567.41797
c = 53.68935
d = 0.56363

Bead 2419

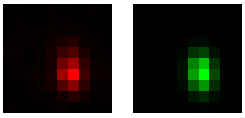
Date : Mon Oct 17 13:29:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

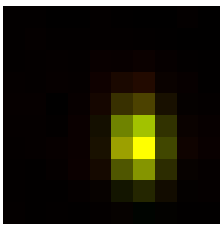
Coordinates : -147 um (x), 52.0 um (y), 53.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	576 nm	596 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.677		
Theta	-85.4°		

XY profile & fitting parameters :

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

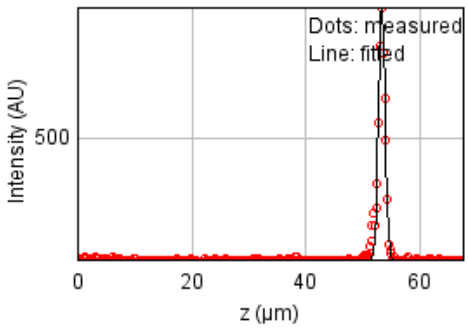




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1240.267 (brightness)
B = 126.881 (background)
a = 0.878 px
b = -0.038 px
c = 0.407 px
xc = 5.760 px
yc = 5.814 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 60416.8509
Standard deviation: 14.02846
R^2: 0.97979
Parameters:
a = 113.30456
b = 925.52874
c = 53.37498
d = 0.56787

Bead 2420

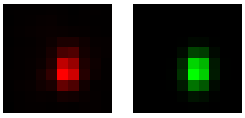
Date : Mon Oct 17 13:29:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

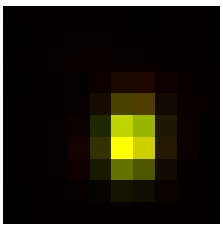
Coordinates : -155 um (x), 44.1 um (y), 53.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	393 nm	223 nm
max	523 nm	541 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.727		
Theta	86.1°		

XY profile & fitting parameters :

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

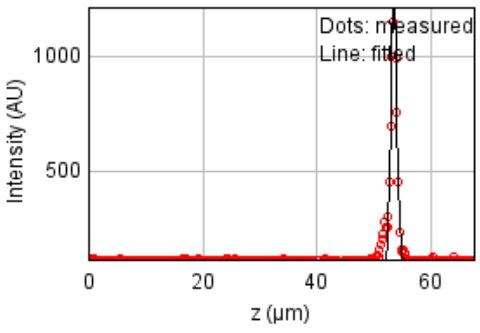




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1819.660 (brightness)
B = 130.118 (background)
a = 0.928 px
b = 0.030 px
c = 0.493 px
xc = 5.395 px
yc = 5.663 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 118368.579
Standard deviation: 19.63582
R^2: 0.97696
Parameters:
a = 114.36671
b = 1237.51072
c = 53.57576
d = 0.50740

Bead 2421

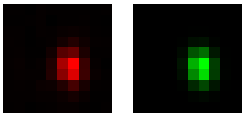
Date : Mon Oct 17 13:29:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

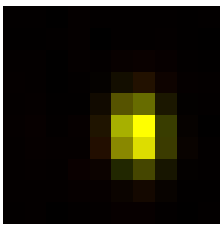
Coordinates : -91.1 um (x), 36.2 um (y), 53.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	383 nm	396 nm	223 nm
max	521 nm	538 nm	223 nm
z	1.17 um	1.18 um	885 nm
Asymmetry	0.736		
Theta	-82.5°		

XY profile & fitting parameters :

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

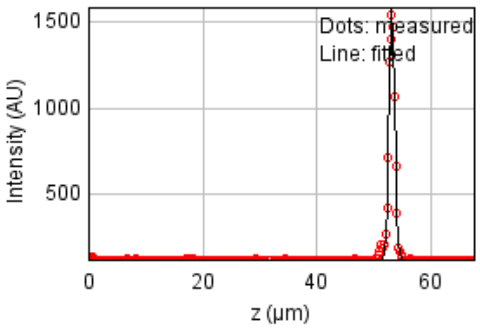




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.993

Parameters:
A = 1596.350 (brightness)
B = 124.172 (background)
a = 0.906 px
b = -0.054 px
c = 0.502 px
xc = 5.727 px
yc = 5.325 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66322.1472
Standard deviation: 14.69806
R^2: 0.99225
Parameters:
a = 114.55801
b = 1587.37449
c = 53.21491
d = 0.49873

Bead 2422

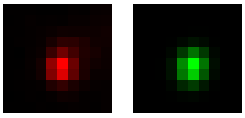
Date : Mon Oct 17 13:29:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

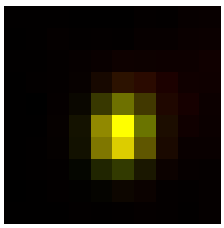
Coordinates : 160 um (x), 33.4 um (y), 60.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	433 nm	448 nm	223 nm
max	513 nm	531 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.844		
Theta	78.5°		

XY profile & fitting parameters :

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

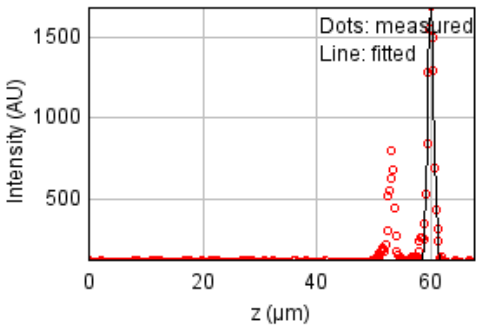




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1649.409 (brightness)
B = 136.332 (background)
a = 0.706 px
b = 0.040 px
c = 0.517 px
xc = 4.924 px
yc = 5.293 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1756007.90
Standard deviation: 75.62999
R^2: 0.85119
Parameters:
a = 127.96713
b = 1680.65840
c = 60.03470
d = 0.53192

Bead 2423

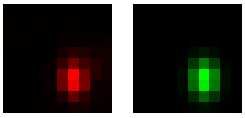
Date : Mon Oct 17 13:29:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

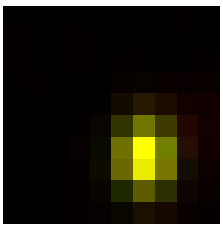
Coordinates : 158 um (x), 26.5 um (y), 53.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	432 nm	223 nm
max	562 nm	581 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.744		
Theta	-89.2°		

XY profile & fitting parameters :

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

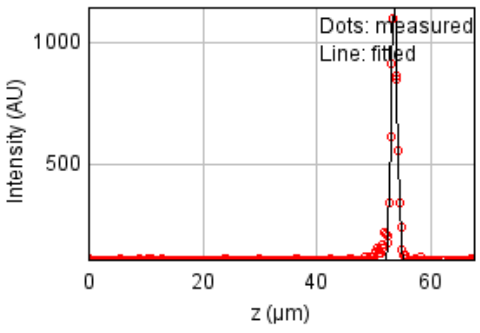




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1148.547 (brightness)
B = 123.924 (background)
a = 0.767 px
b = -0.005 px
c = 0.425 px
xc = 6.044 px
yc = 6.404 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 91187.9546
Standard deviation: 17.23453
R^2: 0.97983
Parameters:
a = 112.58079
b = 1144.30187
c = 53.64166
d = 0.53144

Bead 2424

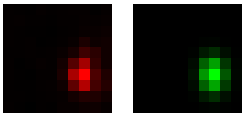
Date : Mon Oct 17 13:29:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

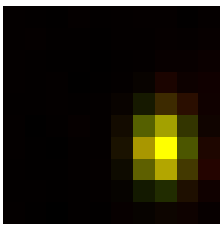
Coordinates : 64.4 um (x), 11.4 um (y), 53.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	548 nm	567 nm	223 nm
z	1.26 um	1.27 um	885 nm
Asymmetry	0.742		
Theta	-88.9°		

XY profile & fitting parameters :

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

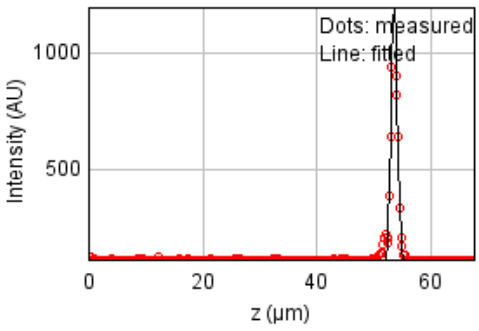




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1176.500 (brightness)
B = 121.922 (background)
a = 0.810 px
b = -0.007 px
c = 0.446 px
xc = 6.827 px
yc = 6.014 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 128521.416
Standard deviation: 20.46061
R^2: 0.97435
Parameters:
a = 114.24146
b = 1193.47777
c = 53.63175
d = 0.53532

Bead 2425

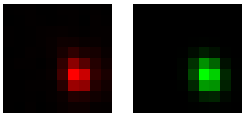
Date : Mon Oct 17 13:29:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

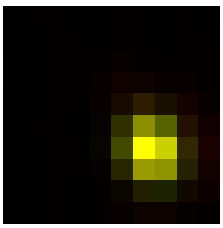
Coordinates : 157 um (x), -22.7 um (y), 53.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	434 nm	223 nm
max	512 nm	530 nm	223 nm
z	1.31 um	1.31 um	885 nm
Asymmetry	0.819		
Theta	-69.8°		

XY profile & fitting parameters :

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

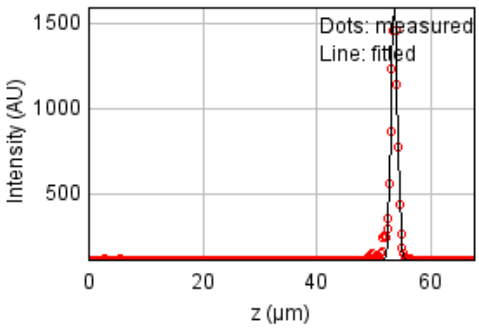




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1634.035 (brightness)
B = 122.472 (background)
a = 0.731 px
b = -0.081 px
c = 0.541 px
xc = 6.369 px
yc = 6.084 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 84547.4721
Standard deviation: 16.59515
R^2: 0.99119
Parameters:
a = 112.02926
b = 1593.01098
c = 53.64562
d = 0.55440

Bead 2426

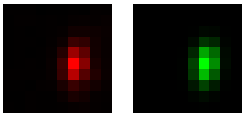
Date : Mon Oct 17 13:29:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

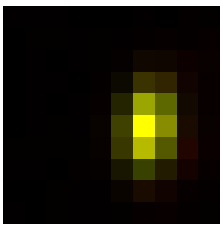
Coordinates : 9.5 um (x), -48.0 um (y), 53.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	368 nm	380 nm	223 nm
max	607 nm	627 nm	223 nm
z	1.18 um	1.19 um	885 nm
Asymmetry	0.606		
Theta	83.8°		

XY profile & fitting parameters :

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

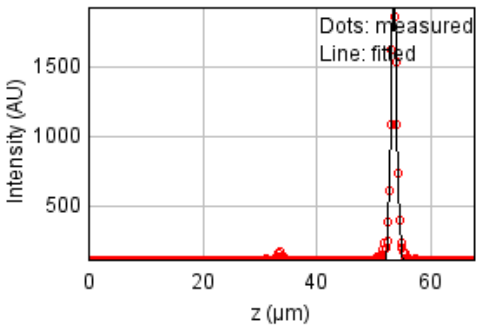




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 1910.563 (brightness)
B = 133.717 (background)
a = 0.985 px
b = 0.067 px
c = 0.372 px
xc = 6.189 px
yc = 5.047 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 103776.317
Standard deviation: 18.38569
R^2: 0.99238
Parameters:
a = 116.63976
b = 1967.78319
c = 53.56804
d = 0.50248

Bead 2427

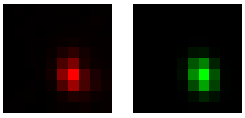
Date : Mon Oct 17 13:29:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

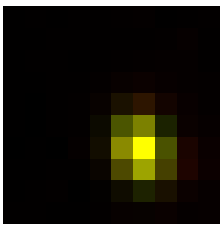
Coordinates : 85.1 um (x), -80.5 um (y), 53.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	501 nm	518 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.767		
Theta	-74.1°		

XY profile & fitting parameters :

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

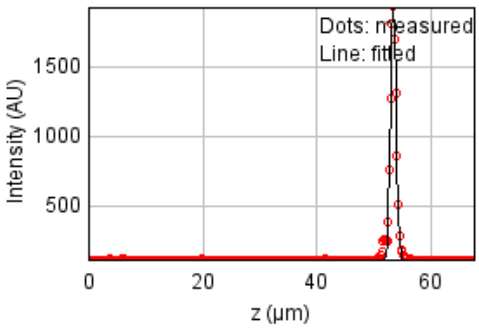




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1810.611 (brightness)
B = 128.940 (background)
a = 0.881 px
b = -0.099 px
c = 0.563 px
xc = 5.861 px
yc = 6.083 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 97633.4890
Standard deviation: 17.83324
R^2: 0.99227
Parameters:
a = 115.01879
b = 1925.08090
c = 53.47059
d = 0.48742

Bead 2428

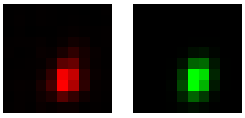
Date : Mon Oct 17 13:29:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

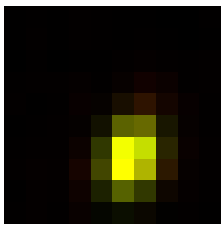
Coordinates : -85.3 um (x), -83.3 um (y), 53.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	409 nm	223 nm
max	546 nm	565 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.724		
Theta	74.3°		

XY profile & fitting parameters :

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

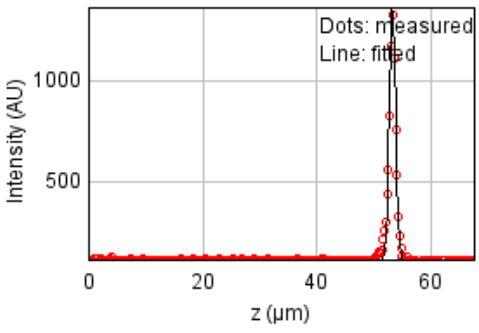




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1593.317 (brightness)
B = 124.480 (background)
a = 0.828 px
b = 0.106 px
c = 0.480 px
xc = 5.360 px
yc = 6.421 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 79346.9125
Standard deviation: 16.07666
R^2: 0.98839
Parameters:
a = 115.61031
b = 1374.70728
c = 53.31612
d = 0.54462

Bead 2429

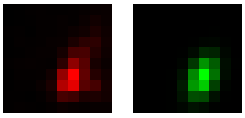
Date : Mon Oct 17 13:29:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

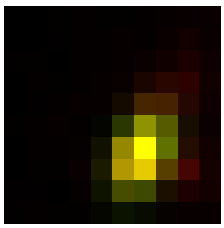
Coordinates : 75.2 um (x), 92.1 um (y), 53.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	647 nm	668 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.633		
Theta	67.0°		

XY profile & fitting parameters :

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

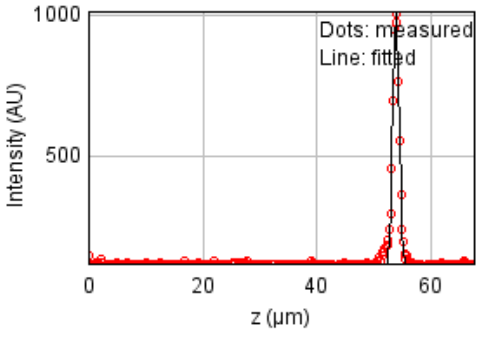




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.930

Parameters:
A = 927.681 (brightness)
B = 130.121 (background)
a = 0.728 px
b = 0.172 px
c = 0.394 px
xc = 5.875 px
yc = 6.260 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 41886.6364
Standard deviation: 11.68069
R^2: 0.98782
Parameters:
a = 113.97010
b = 1017.28126
c = 53.93766
d = 0.53169

Bead 2430

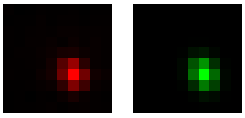
Date : Mon Oct 17 13:29:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

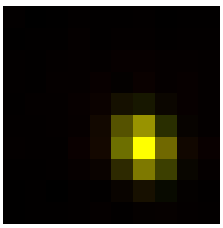
Coordinates : -60.9 um (x), 70.4 um (y), 54.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	393 nm	223 nm
max	475 nm	491 nm	223 nm
z	1.54 um	1.55 um	885 nm
Asymmetry	0.801		
Theta	-65.6°		

XY profile & fitting parameters :

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

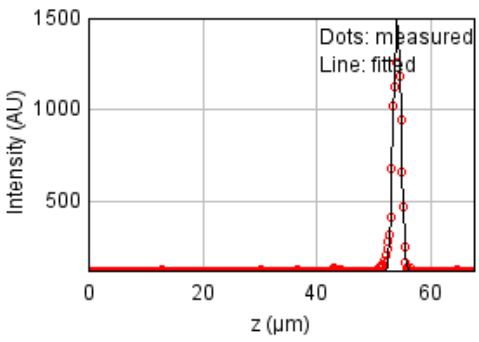




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.994

Parameters:
A = 1421.000 (brightness)
B = 122.341 (background)
a = 0.870 px
b = -0.125 px
c = 0.652 px
xc = 5.969 px
yc = 5.920 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 118583.828
Standard deviation: 19.65366
R^2: 0.98809
Parameters:
a = 113.38562
b = 1501.85643
c = 54.13144
d = 0.65596

Bead 2431

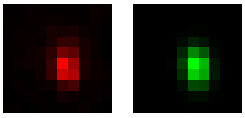
Date : Mon Oct 17 13:29:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

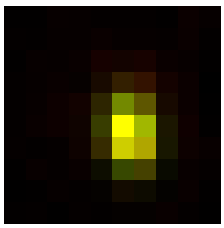
Coordinates : -164 um (x), 67.7 um (y), 53.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	400 nm	223 nm
max	570 nm	589 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.679		
Theta	-82.6°		

XY profile & fitting parameters :

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

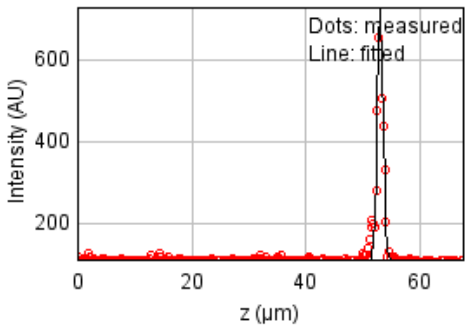




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 687.134 (brightness)
B = 117.346 (background)
a = 0.887 px
b = -0.062 px
c = 0.421 px
xc = 5.330 px
yc = 5.292 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45235.0882
Standard deviation: 12.13860
R^2: 0.97173
Parameters:
a = 111.85670
b = 736.13657
c = 53.09377
d = 0.50881

Bead 2432

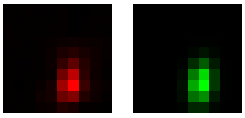
Date : Mon Oct 17 13:29:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

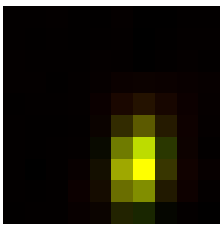
Coordinates : -27.1 um (x), 57.3 um (y), 54.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	367 nm	379 nm	223 nm
max	612 nm	633 nm	223 nm
z	1.1 um	1.1 um	885 nm
Asymmetry	0.599		
Theta	82.6°		

XY profile & fitting parameters :

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

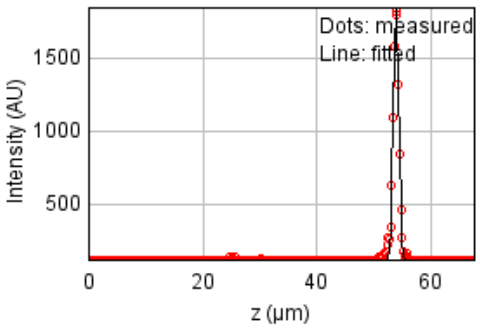




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1744.704 (brightness)
B = 133.202 (background)
a = 0.988 px
b = 0.082 px
c = 0.369 px
xc = 5.731 px
yc = 6.764 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 72262.4039
Standard deviation: 15.34218
R^2: 0.99356
Parameters:
a = 117.06306
b = 1859.76769
c = 53.95340
d = 0.46669

Bead 2433

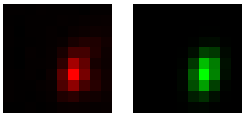
Date : Mon Oct 17 13:29:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

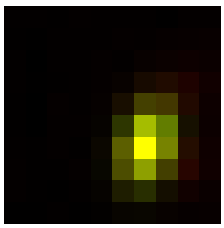
Coordinates : 63.2 um (x), 26.2 um (y), 53.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	407 nm	223 nm
max	618 nm	638 nm	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.638		
Theta	74.8°		

XY profile & fitting parameters :

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

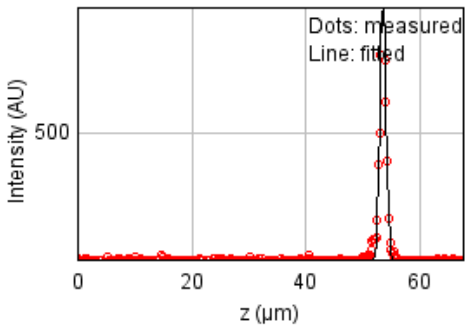




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 1155.324 (brightness)
B = 126.102 (background)
a = 0.830 px
b = 0.130 px
c = 0.387 px
xc = 6.118 px
yc = 5.855 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32726.7039
Standard deviation: 10.32481
R^2: 0.98738
Parameters:
a = 113.72967
b = 896.71676
c = 53.58781
d = 0.53337

Bead 2434

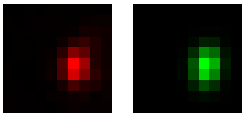
Date : Mon Oct 17 13:29:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

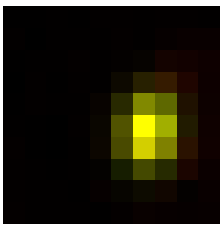
Coordinates : 76.8 um (x), -4.67 um (y), 53.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	435 nm	223 nm
max	573 nm	592 nm	223 nm
z	1.35 um	1.35 um	885 nm
Asymmetry	0.735		
Theta	82.1°		

XY profile & fitting parameters :

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

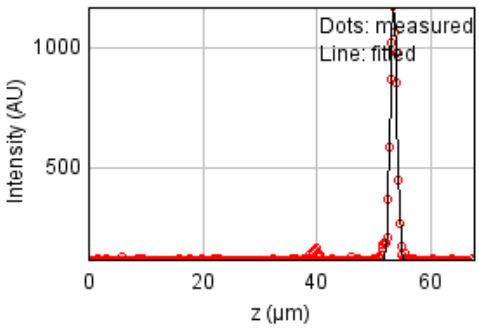




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 1097.450 (brightness)
B = 124.385 (background)
a = 0.751 px
b = 0.047 px
c = 0.416 px
xc = 6.235 px
yc = 5.221 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 2435

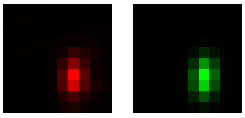
Date : Mon Oct 17 13:29:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

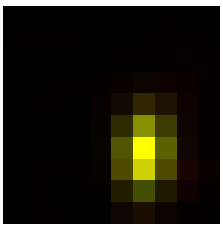
Coordinates : -6.15 um (x), -19.6 um (y), 53.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	360 nm	372 nm	223 nm
max	592 nm	612 nm	223 nm
z	1.08 um	1.08 um	885 nm
Asymmetry	0.608		
Theta	86.6°		

XY profile & fitting parameters :

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

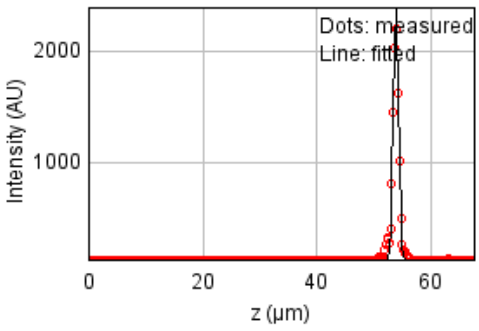




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 2300.275 (brightness)
B = 138.072 (background)
a = 1.033 px
b = 0.039 px
c = 0.385 px
xc = 6.029 px
yc = 6.234 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 145837.289
Standard deviation: 21.79541
R^2: 0.99227
Parameters:
a = 116.15331
b = 2398.47608
c = 53.93191
d = 0.45715

Bead 2436

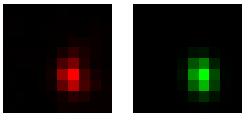
Date : Mon Oct 17 13:29:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

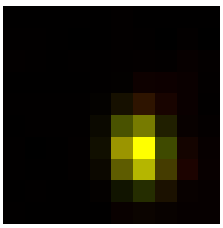
Coordinates : 39.8 um (x), -52.4 um (y), 53.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	507 nm	524 nm	223 nm
z	1.11 um	1.12 um	885 nm
Asymmetry	0.76		
Theta	-79.2°		

XY profile & fitting parameters :

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

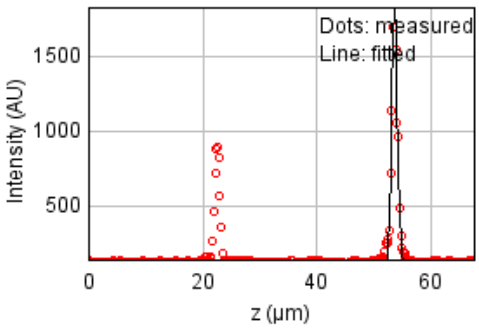




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

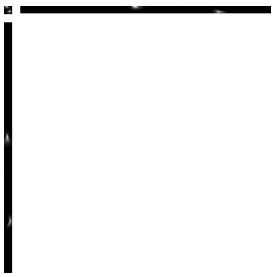
Parameters:
A = 1917.035 (brightness)
B = 130.869 (background)
a = 0.892 px
b = -0.070 px
c = 0.536 px
xc = 5.816 px
yc = 6.160 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2623877.97
Standard deviation: 92.44909
R^2: 0.80348
Parameters:
a = 132.42065
b = 1831.57367
c = 53.68936
d = 0.47291

Bead 2437 (Rejected)



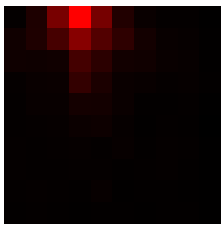
Date : Mon Oct 17 13:29:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -8.46 um (x), -70.6 um (y), 30.8 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	82.5 nm	85.3 nm	223 nm
max	128 nm	132 nm	223 nm
z	1.35 um	1.35 um	885 nm
Asymmetry	0.647		
Theta	-29.3°		

XY profile & fitting parameters :

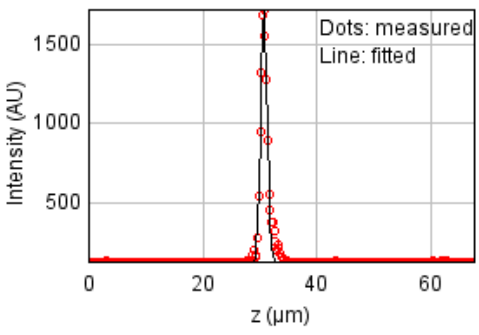
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = -0.000

Parameters:
A = -547.106 (brightness)
B = 197.580 (background)
a = 10.995 px
b = -4.898 px
c = 16.973 px
xc = -5.469 px
yc = 6.131 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 228519.118
Standard deviation: 27.28300
R^2: 0.98052
Parameters:
a = 118.67871
b = 1723.37108
c = 30.80049
d = 0.57150

Bead 2438

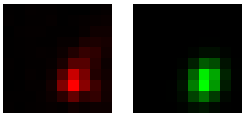
Date : Mon Oct 17 13:29:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

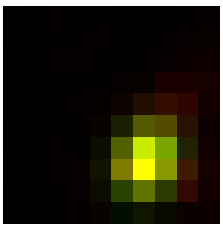
Coordinates : 95.5 um (x), 83.0 um (y), 54.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	453 nm	468 nm	223 nm
max	572 nm	591 nm	223 nm
z	1.53 um	1.54 um	885 nm
Asymmetry	0.792		
Theta	67.5°		

XY profile & fitting parameters :

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

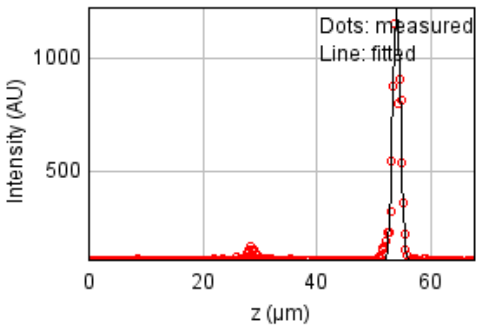




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.934

Parameters:
A = 1123.609 (brightness)
B = 131.443 (background)
a = 0.619 px
b = 0.086 px
c = 0.446 px
xc = 6.144 px
yc = 6.562 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 216759.441
Standard deviation: 26.57173
R^2: 0.96641
Parameters:
a = 115.89321
b = 1224.96155
c = 54.04231
d = 0.65152

Bead 2439

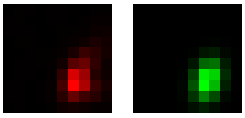
Date : Mon Oct 17 13:29:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

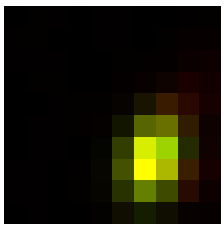
Coordinates : 42.1 um (x), 48.7 um (y), 58.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	417 nm	432 nm	223 nm
max	612 nm	633 nm	223 nm
z	1.48 um	1.48 um	885 nm
Asymmetry	0.682		
Theta	74.4°		

XY profile & fitting parameters :

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

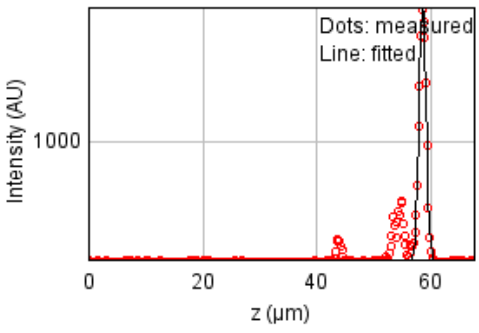




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 1911.870 (brightness)
B = 135.979 (background)
a = 0.740 px
b = 0.107 px
c = 0.388 px
xc = 6.349 px
yc = 6.499 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1379620.37
Standard deviation: 67.03639
R^2: 0.92592
Parameters:
a = 132.15013
b = 2010.14484
c = 58.59799
d = 0.62749

Bead 2440

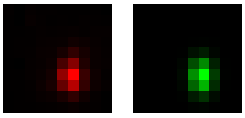
Date : Mon Oct 17 13:29:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

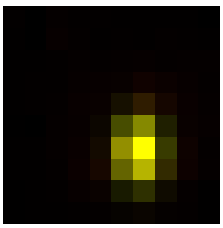
Coordinates : -155 um (x), 12.9 um (y), 54.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	362 nm	374 nm	223 nm
max	524 nm	542 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.691		
Theta	-89.9°		

XY profile & fitting parameters :

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

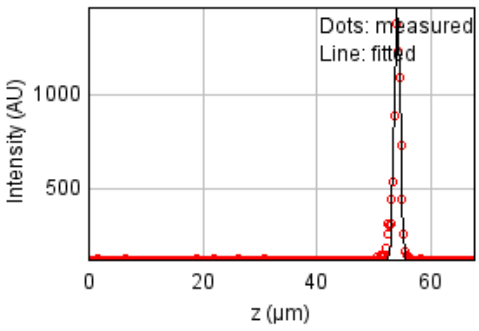




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.989

Parameters:
A = 1567.295 (brightness)
B = 124.115 (background)
a = 1.024 px
b = -0.001 px
c = 0.489 px
xc = 5.784 px
yc = 6.138 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 181036.483
Standard deviation: 24.28364
R^2: 0.97598
Parameters:
a = 113.35393
b = 1474.75320
c = 54.14606
d = 0.50608

Bead 2441

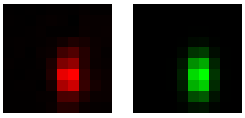
Date : Mon Oct 17 13:29:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

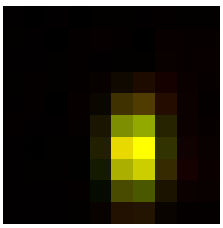
Coordinates : -750 nm (x), -4.21 um (y), 54.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	405 nm	223 nm
max	651 nm	673 nm	223 nm
z	1.02 um	1.02 um	885 nm
Asymmetry	0.602		
Theta	89.8°		

XY profile & fitting parameters :

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

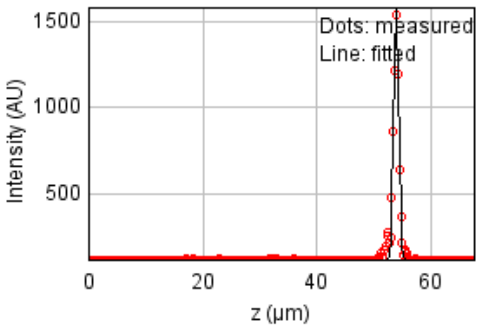




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1608.384 (brightness)
B = 128.223 (background)
a = 0.875 px
b = 0.002 px
c = 0.317 px
xc = 5.591 px
yc = 6.157 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 109418.499
Standard deviation: 18.87888
R^2: 0.98568
Parameters:
a = 116.52399
b = 1603.02931
c = 53.98178
d = 0.43282

Bead 2442

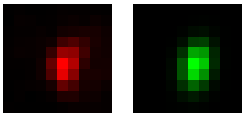
Date : Mon Oct 17 13:29:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

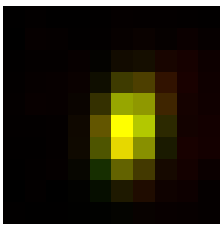
Coordinates : 117 um (x), -17.2 um (y), 53.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	443 nm	458 nm	223 nm
max	685 nm	708 nm	223 nm
z	1.28 um	1.28 um	885 nm
Asymmetry	0.646		
Theta	78.4°		

XY profile & fitting parameters :

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

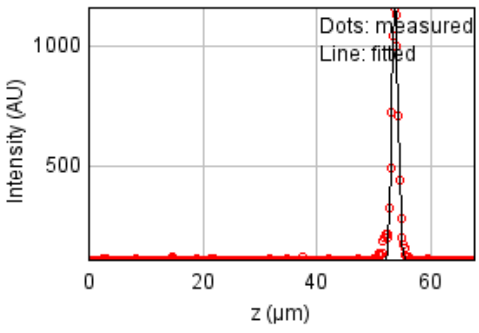




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 1064.215 (brightness)
B = 131.303 (background)
a = 0.668 px
b = 0.079 px
c = 0.302 px
xc = 5.301 px
yc = 5.140 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53455.0168
Standard deviation: 13.19548
R^2: 0.98883
Parameters:
a = 113.12276
b = 1169.23272
c = 53.76931
d = 0.54177

Bead 2443

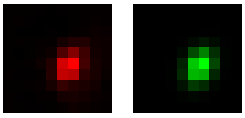
Date : Mon Oct 17 13:29:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

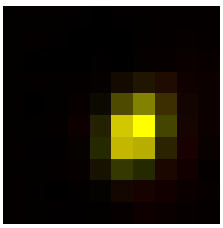
Coordinates : 109 um (x), -16.6 um (y), 54.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	412 nm	223 nm
max	536 nm	555 nm	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.742		
Theta	64.8°		

XY profile & fitting parameters :

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

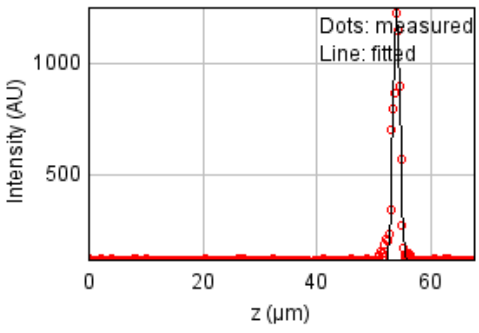




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1383.247 (brightness)
B = 124.900 (background)
a = 0.777 px
b = 0.146 px
c = 0.535 px
xc = 5.610 px
yc = 5.248 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 129517.561
Standard deviation: 20.53975
R^2: 0.97830
Parameters:
a = 113.12726
b = 1263.39633
c = 54.03207
d = 0.56439

Bead 2444

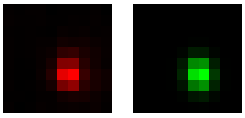
Date : Mon Oct 17 13:29:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

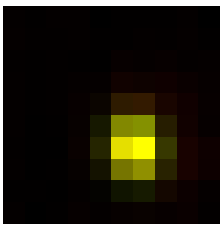
Coordinates : 123 um (x), -45.8 um (y), 53.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	414 nm	223 nm
max	487 nm	504 nm	223 nm
z	1.46 um	1.47 um	885 nm
Asymmetry	0.821		
Theta	-82.0°		

XY profile & fitting parameters :

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

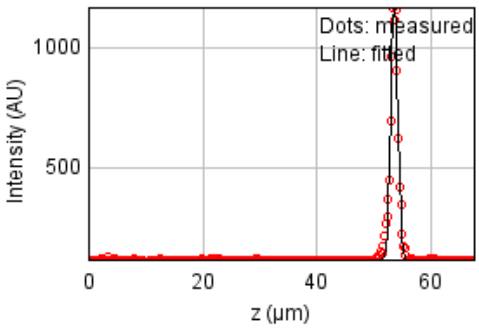




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1274.105 (brightness)
B = 125.341 (background)
a = 0.832 px
b = -0.037 px
c = 0.570 px
xc = 5.580 px
yc = 5.971 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 67357.8956
Standard deviation: 14.81239
R^2: 0.98777
Parameters:
a = 111.79707
b = 1172.89871
c = 53.64847
d = 0.61973

Bead 2445

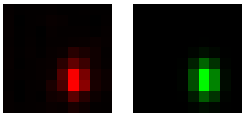
Date : Mon Oct 17 13:29:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

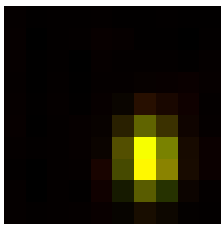
Coordinates : -124 um (x), -56.0 um (y), 53.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	394 nm	223 nm
max	527 nm	545 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.722		
Theta	-87.7°		

XY profile & fitting parameters :

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

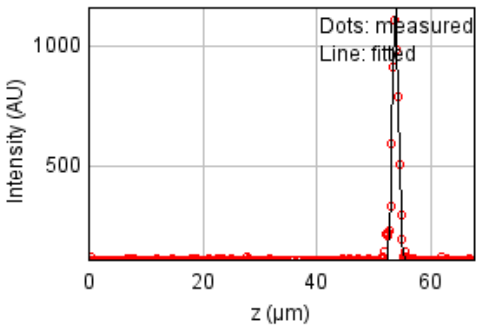




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1216.002 (brightness)
B = 118.348 (background)
a = 0.925 px
b = -0.018 px
c = 0.483 px
xc = 6.143 px
yc = 6.475 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45719.3548
Standard deviation: 12.20340
R^2: 0.98966
Parameters:
a = 112.61961
b = 1159.75793
c = 53.85233
d = 0.50911

Bead 2446

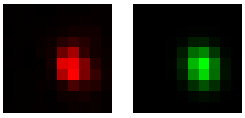
Date : Mon Oct 17 13:29:55 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

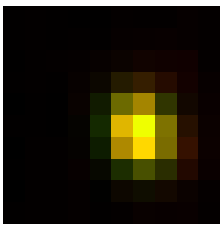
Coordinates : 90.2 um (x), -59.0 um (y), 54.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	477 nm	493 nm	223 nm
max	584 nm	603 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.817		
Theta	-72.6°		

XY profile & fitting parameters :

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

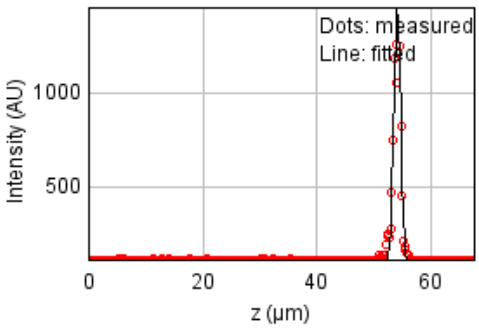




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 1153.904 (brightness)
B = 121.662 (background)
a = 0.573 px
b = -0.056 px
c = 0.411 px
xc = 5.824 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: 386917.925
Standard deviation: 35.50097
R^2: 0.95384
Parameters:
a = 113.83370
b = 1455.16838
c = 54.15878
d = 0.56843

Bead 2447

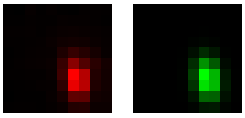
Date : Mon Oct 17 13:29:55 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

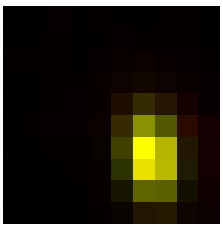
Coordinates : 130 um (x), -87.2 um (y), 54.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	406 nm	223 nm
max	634 nm	656 nm	223 nm
z	1.22 um	1.23 um	885 nm
Asymmetry	0.618		
Theta	-81.8°		

XY profile & fitting parameters :

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

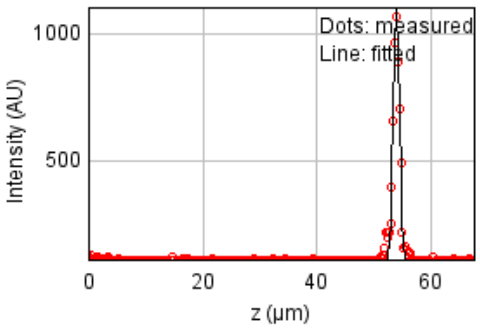




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

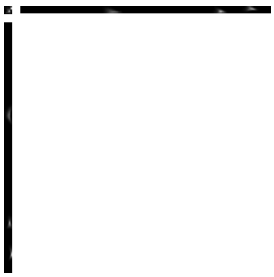
Parameters:
A = 1150.458 (brightness)
B = 123.190 (background)
a = 0.861 px
b = -0.076 px
c = 0.344 px
xc = 6.334 px
yc = 6.391 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 67485.7407
Standard deviation: 14.82644
R^2: 0.98403
Parameters:
a = 112.58116
b = 1123.87041
c = 54.00782
d = 0.51873

Bead 2448 (Rejected)



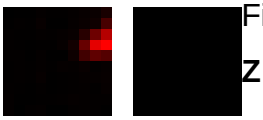
Date : Mon Oct 17 13:29:55 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -103 um (x), 95.7 um (y), 62.9 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°		

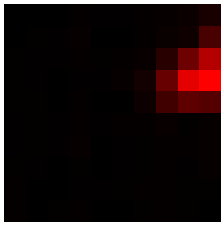
XY profile & fitting parameters :

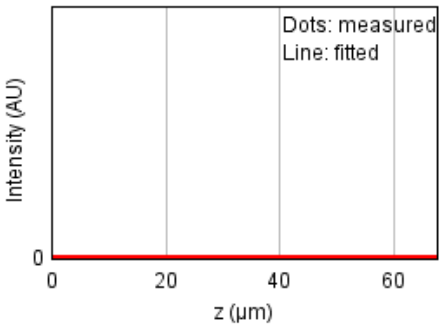
(red : the orignal data, green : the fit, yellow : the two merged)



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

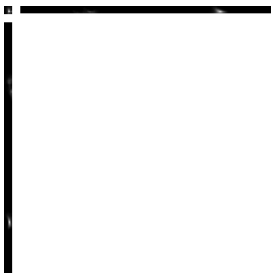
Z profile & fitting parameters:





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 2449



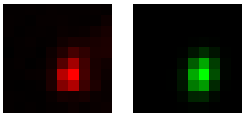
Date : Mon Oct 17 13:29:55 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

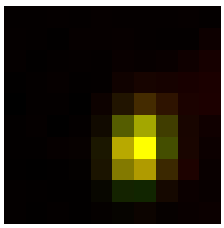
Coordinates : 159 um (x), 89.8 um (y), 53.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	418 nm	223 nm
max	550 nm	569 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.735		
Theta	76.0°		

XY profile & fitting parameters :

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

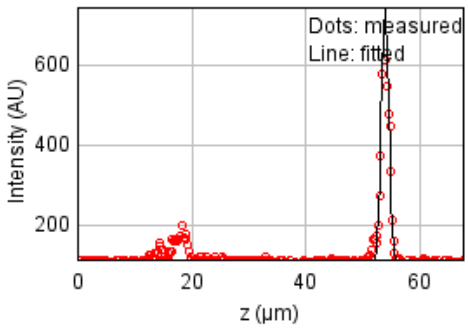




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 752.982 (brightness)
B = 120.901 (background)
a = 0.798 px
b = 0.088 px
c = 0.465 px
xc = 5.757 px
yc = 6.005 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 138549.253
Standard deviation: 21.24383
R^2: 0.93383
Parameters:
a = 115.10031
b = 746.96988
c = 53.94990
d = 0.62854

Bead 2450

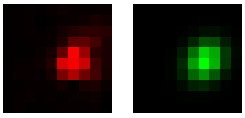
Date : Mon Oct 17 13:29:55 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

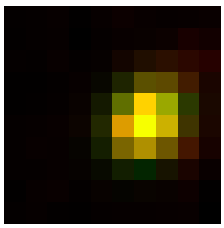
Coordinates : 147 um (x), 90.0 um (y), 54.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	527 nm	545 nm	223 nm
max	634 nm	655 nm	223 nm
z	1.71 um	1.72 um	885 nm
Asymmetry	0.832		
Theta	53.2°		

XY profile & fitting parameters :

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

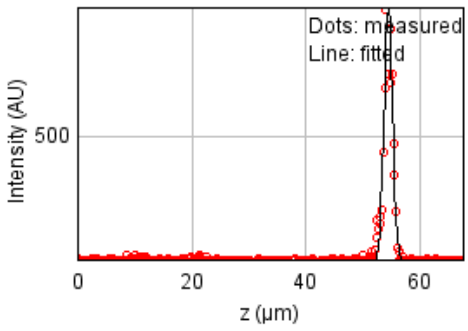




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.939

Parameters:
A = 678.908 (brightness)
B = 114.672 (background)
a = 0.429 px
b = 0.071 px
c = 0.387 px
xc = 6.117 px
yc = 4.732 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 157635.882
Standard deviation: 22.65992
R^2: 0.95734
Parameters:
a = 111.39689
b = 904.21861
c = 54.52140
d = 0.72607

Bead 2451

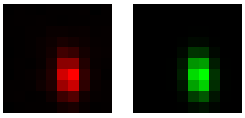
Date : Mon Oct 17 13:29:55 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

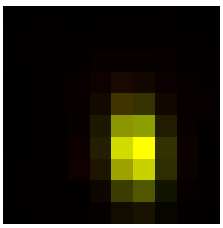
Coordinates : -83.0 um (x), 70.1 um (y), 54.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	630 nm	651 nm	223 nm
z	1.18 um	1.18 um	885 nm
Asymmetry	0.613		
Theta	-84.9°		

XY profile & fitting parameters :

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

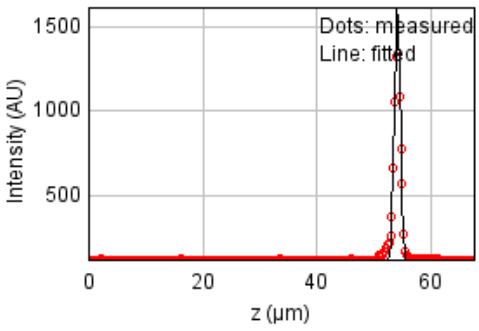




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.993

Parameters:
A = 1727.640 (brightness)
B = 128.253 (background)
a = 0.896 px
b = -0.050 px
c = 0.343 px
xc = 5.596 px
yc = 6.146 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 107306.073
Standard deviation: 18.69575
R^2: 0.98803
Parameters:
a = 115.96496
b = 1617.62398
c = 54.16671
d = 0.50070

Bead 2452

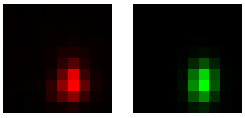
Date : Mon Oct 17 13:29:56 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

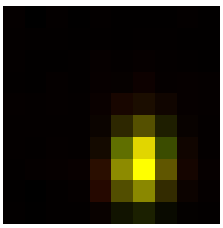
Coordinates : -113 um (x), 54.6 um (y), 54.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	410 nm	223 nm
max	577 nm	596 nm	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.688		
Theta	86.7°		

XY profile & fitting parameters :

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

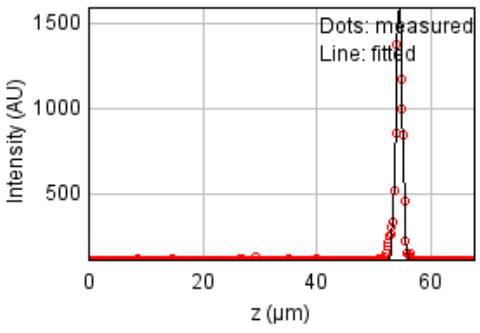




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1570.423 (brightness)
B = 124.094 (background)
a = 0.850 px
b = 0.026 px
c = 0.405 px
xc = 5.866 px
yc = 6.727 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 342288.352
Standard deviation: 33.39080
R^2: 0.96554
Parameters:
a = 114.35001
b = 1608.40108
c = 54.47686
d = 0.54904

Bead 2453

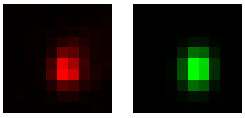
Date : Mon Oct 17 13:29:56 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

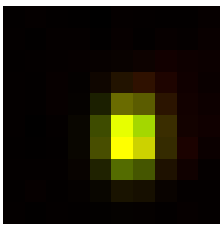
Coordinates : 126 um (x), 21.5 um (y), 53.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	455 nm	223 nm
max	557 nm	576 nm	223 nm
z	1.46 um	1.47 um	885 nm
Asymmetry	0.79		
Theta	87.2°		

XY profile & fitting parameters :

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

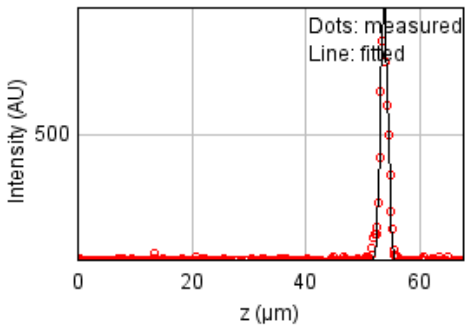




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 1003.835 (brightness)
B = 122.479 (background)
a = 0.692 px
b = 0.013 px
c = 0.433 px
xc = 5.368 px
yc = 5.493 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44144.5897
Standard deviation: 11.99139
R^2: 0.98549
Parameters:
a = 112.84394
b = 899.44196
c = 53.79978
d = 0.62150

Bead 2454

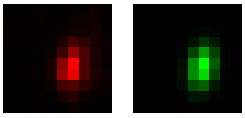
Date : Mon Oct 17 13:29:56 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

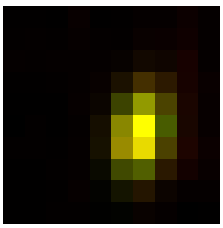
Coordinates : 33.0 um (x), 14.0 um (y), 53.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	412 nm	223 nm
max	650 nm	672 nm	223 nm
z	1.62 um	1.63 um	885 nm
Asymmetry	0.612		
Theta	79.7°		

XY profile & fitting parameters :

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

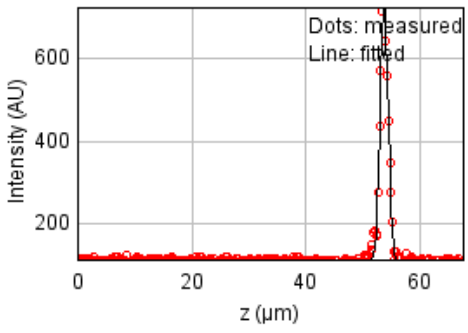




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 1023.057 (brightness)
B = 125.712 (background)
a = 0.829 px
b = 0.093 px
c = 0.334 px
xc = 5.851 px
yc = 5.301 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38240.6002
Standard deviation: 11.16074
R^2: 0.98134
Parameters:
a = 113.39774
b = 726.81019
c = 53.79901
d = 0.68829

Bead 2455

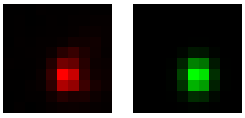
Date : Mon Oct 17 13:29:56 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

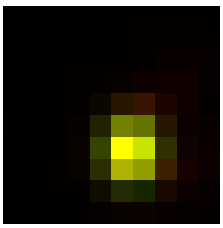
Coordinates : 89.9 um (x), 12.9 um (y), 54.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	430 nm	445 nm	223 nm
max	507 nm	524 nm	223 nm
z	1.52 um	1.52 um	885 nm
Asymmetry	0.85		
Theta	88.8°		

XY profile & fitting parameters :

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

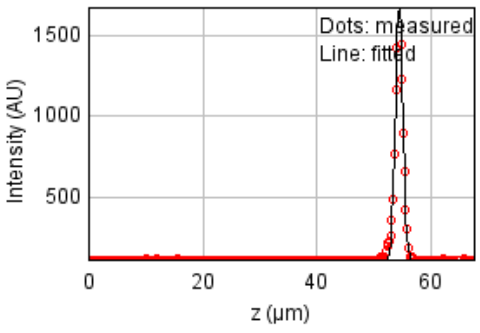




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 1699.552 (brightness)
B = 131.903 (background)
a = 0.724 px
b = 0.004 px
c = 0.523 px
xc = 5.417 px
yc = 6.149 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 65260.1861
Standard deviation: 14.57991
R^2: 0.99471
Parameters:
a = 114.04636
b = 1677.69828
c = 54.48761
d = 0.64452

Bead 2456

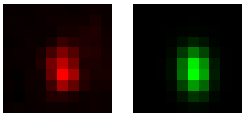
Date : Mon Oct 17 13:29:56 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

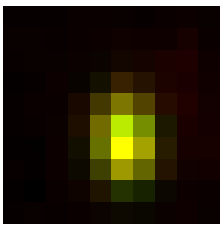
Coordinates : 97.0 um (x), 516 nm (y), 53.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	458 nm	473 nm	223 nm
max	670 nm	693 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.683		
Theta	-86.2°		

XY profile & fitting parameters :

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

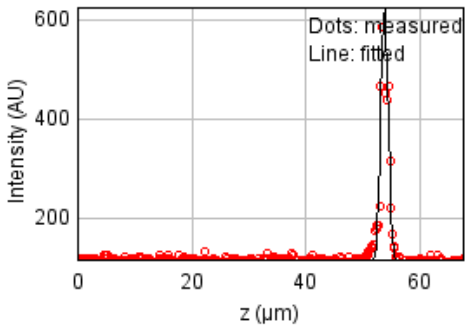




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 715.167 (brightness)
B = 122.499 (background)
a = 0.639 px
b = -0.023 px
c = 0.300 px
xc = 5.128 px
yc = 5.653 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 69027.1529
Standard deviation: 14.99480
R^2: 0.94943
Parameters:
a = 114.03605
b = 627.64675
c = 53.85120
d = 0.63054

Bead 2457

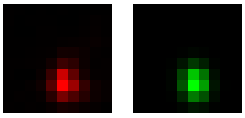
Date : Mon Oct 17 13:29:56 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

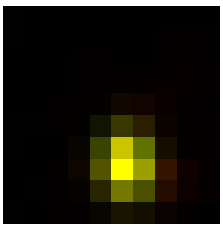
Coordinates : -14.7 um (x), -51.6 um (y), 54.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	422 nm	223 nm
max	517 nm	535 nm	223 nm
z	1.34 um	1.35 um	885 nm
Asymmetry	0.789		
Theta	-83.5°		

XY profile & fitting parameters :

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

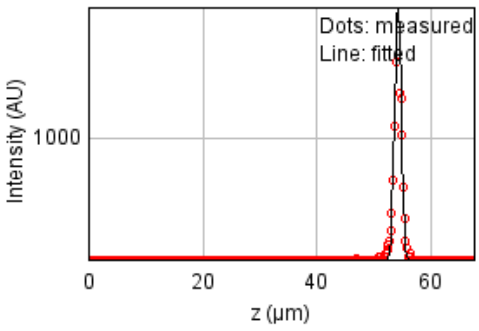




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 2151.621 (brightness)
B = 130.527 (background)
a = 0.802 px
b = -0.034 px
c = 0.505 px
xc = 5.196 px
yc = 6.770 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 363576.451
Standard deviation: 34.41349
R^2: 0.97653
Parameters:
a = 116.32387
b = 1959.46595
c = 54.26983
d = 0.56972

Bead 2458 (Rejected)

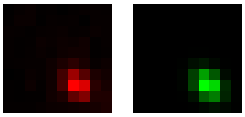
Date : Mon Oct 17 13:29:56 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

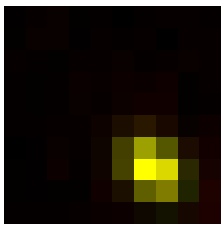
Coordinates : 150 um (x), -86.4 um (y), 46.0 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	386 nm	223 nm
max	504 nm	521 nm	223 nm
z	1.52 um	1.52 um	885 nm
Asymmetry	0.741		
Theta	-47.5°		

XY profile & fitting parameters :

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

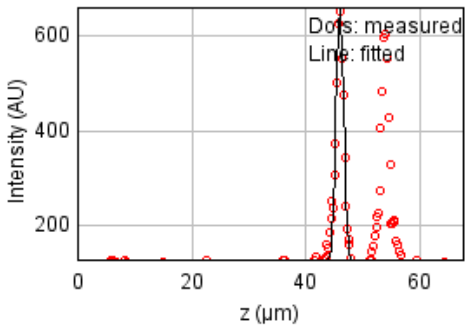




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 645.015 (brightness)
B = 112.307 (background)
a = 0.765 px
b = -0.217 px
c = 0.728 px
xc = 6.371 px
yc = 6.933 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 1453249.55
Standard deviation: 68.80198
R^2: 0.49578
Parameters:
a = 127.54526
b = 661.30280
c = 46.02328
d = 0.64426

Bead 2459

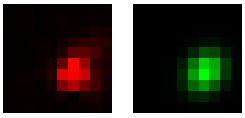
Date : Mon Oct 17 13:29:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

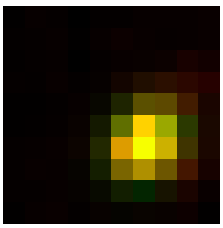
Coordinates : 147 um (x), 90.0 um (y), 54.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	527 nm	545 nm	223 nm
max	633 nm	655 nm	223 nm
z	1.71 um	1.72 um	885 nm
Asymmetry	0.832		
Theta	53.2°		

XY profile & fitting parameters :

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

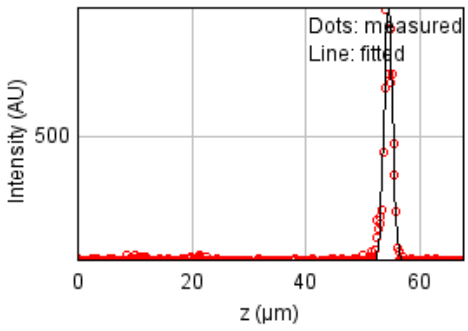




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.938

Parameters:
A = 678.883 (brightness)
B = 114.871 (background)
a = 0.430 px
b = 0.071 px
c = 0.388 px
xc = 6.117 px
yc = 5.732 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 157635.882
Standard deviation: 22.65992
R^2: 0.95734
Parameters:
a = 111.39689
b = 904.21861
c = 54.52140
d = 0.72607

Bead 2460

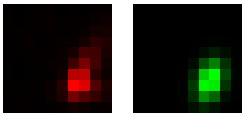
Date : Mon Oct 17 13:29:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

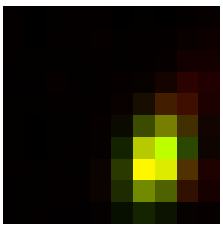
Coordinates : 50.7 um (x), 84.6 um (y), 54.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	422 nm	223 nm
max	626 nm	648 nm	223 nm
z	1.78 um	1.79 um	885 nm
Asymmetry	0.652		
Theta	70.9°		

XY profile & fitting parameters :

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

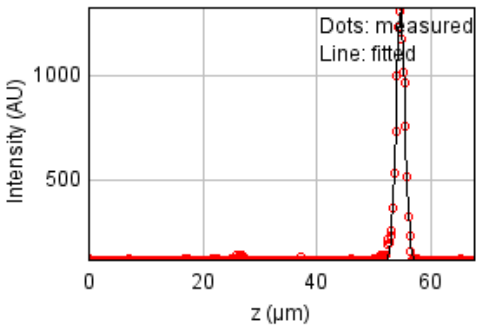




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.928

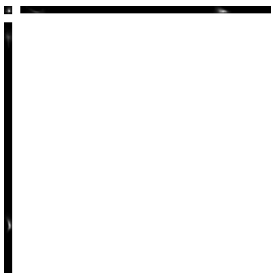
Parameters:
A = 1296.473 (brightness)
B = 129.440 (background)
a = 0.756 px
b = 0.143 px
c = 0.391 px
xc = 6.550 px
yc = 6.555 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66102.1391
Standard deviation: 14.67366
R^2: 0.99234
Parameters:
a = 113.90446
b = 1322.71832
c = 54.73715
d = 0.75695

Bead 2461



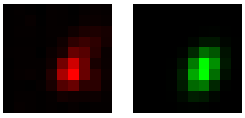
Date : Mon Oct 17 13:29:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

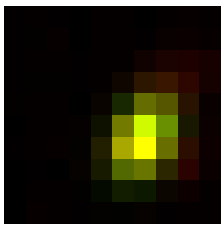
Coordinates : 116 um (x), 70.5 um (y), 54.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	452 nm	223 nm
max	638 nm	660 nm	223 nm
z	1.4 um	1.41 um	885 nm
Asymmetry	0.685		
Theta	64.1°		

XY profile & fitting parameters :

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

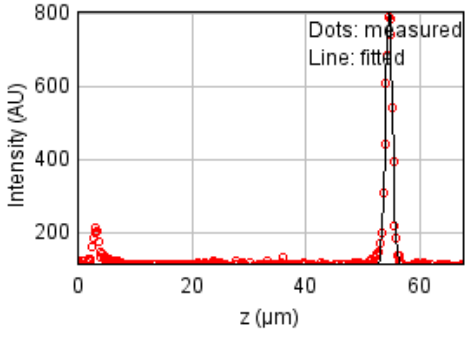




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 818.873 (brightness)
B = 123.023 (background)
a = 0.630 px
b = 0.146 px
c = 0.401 px
xc = 5.937 px
yc = 5.554 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 72393.4490
Standard deviation: 15.35608
R^2: 0.96888
Parameters:
a = 116.04266
b = 812.06285
c = 54.63906
d = 0.59605

Bead 2462

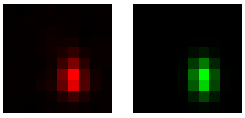
Date : Mon Oct 17 13:29:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

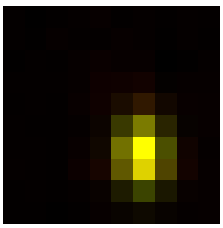
Coordinates : -93.1 um (x), 60.9 um (y), 54.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	367 nm	379 nm	223 nm
max	539 nm	557 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.68		
Theta	-87.3°		

XY profile & fitting parameters :

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

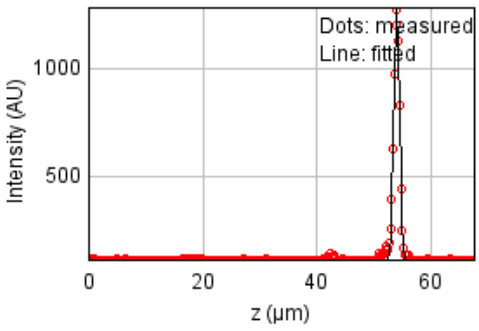




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1211.891 (brightness)
B = 122.412 (background)
a = 0.996 px
b = -0.026 px
c = 0.463 px
xc = 5.917 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: 42908.9442
Standard deviation: 11.82237
R^2: 0.99179
Parameters:
a = 115.71240
b = 1287.59761
c = 54.05947
d = 0.48086

Bead 2463

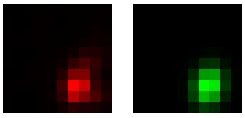
Date : Mon Oct 17 13:29:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

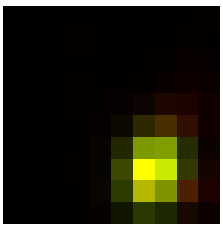
Coordinates : 53.8 um (x), 49.3 um (y), 54.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	442 nm	457 nm	223 nm
max	575 nm	595 nm	223 nm
z	1.49 um	1.49 um	885 nm
Asymmetry	0.769		
Theta	76.8°		

XY profile & fitting parameters :

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

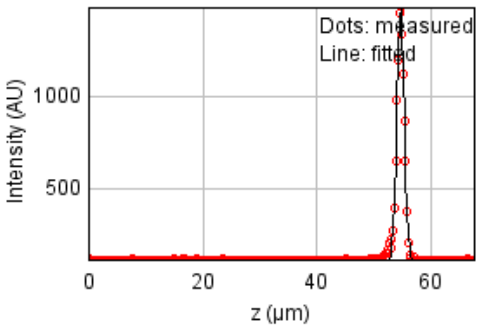




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 1390.925 (brightness)
B = 128.033 (background)
a = 0.672 px
b = 0.062 px
c = 0.420 px
xc = 6.427 px
yc = 7.044 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45815.0786
Standard deviation: 12.21617
R^2: 0.99505
Parameters:
a = 114.59135
b = 1481.89002
c = 54.74543
d = 0.63182

Bead 2464

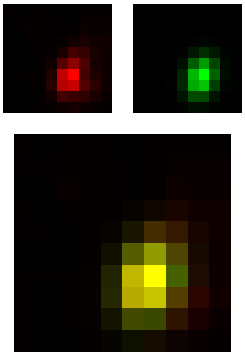
Date : Mon Oct 17 13:29:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 48.6 um (x), 32.3 um (y), 54.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	444 nm	459 nm	223 nm
max	616 nm	637 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.721		
Theta	73.3°		

XY profile & fitting parameters :

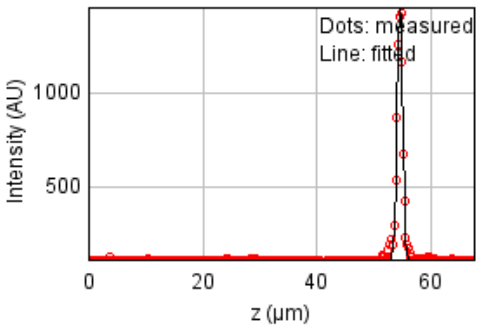
(red : the orignal data, green : the fit, yellow : the two merged)



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 = 1343.267 (brightness)
B = 132.412 (background)
a = 0.653 px
b = 0.090 px
c = 0.380 px
xc = 5.725 px
yc = 6.219 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 67243.5128
Standard deviation: 14.79981
R^2: 0.99038
Parameters:
a = 116.39764
b = 1469.89536
c = 54.62804
d = 0.48105

Bead 2465

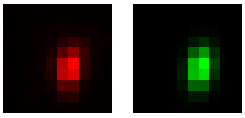
Date : Mon Oct 17 13:29:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

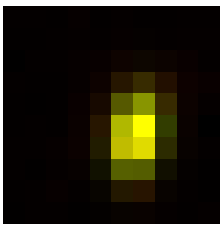
Coordinates : -73.3 um (x), 23.0 um (y), 54.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	634 nm	655 nm	223 nm
z	1.09 um	1.09 um	885 nm
Asymmetry	0.609		
Theta	80.7°		

XY profile & fitting parameters :

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

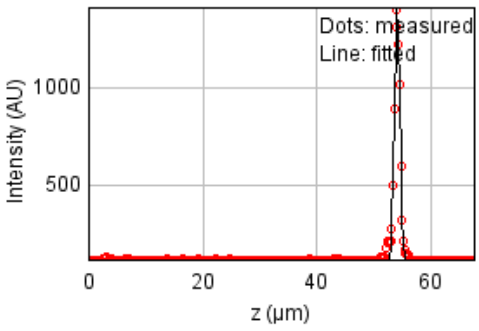




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1433.769 (brightness)
B = 127.476 (background)
a = 0.886 px
b = 0.090 px
c = 0.349 px
xc = 5.649 px
yc = 5.366 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 65091.5822
Standard deviation: 14.56107
R^2: 0.98944
Parameters:
a = 115.96720
b = 1411.54495
c = 54.13848
d = 0.46229

Bead 2466

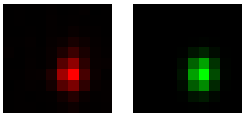
Date : Mon Oct 17 13:29:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

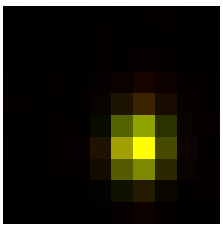
Coordinates : -49.5 um (x), 9.25 um (y), 54.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	411 nm	223 nm
max	502 nm	519 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.793		
Theta	85.8°		

XY profile & fitting parameters :

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

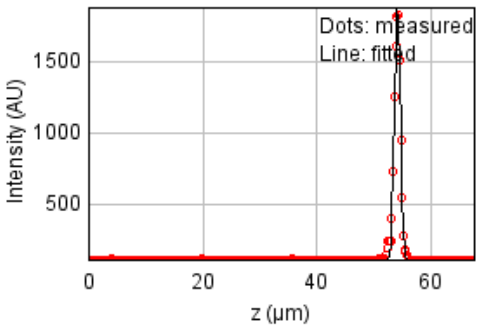




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1689.556 (brightness)
B = 124.865 (background)
a = 0.846 px
b = 0.023 px
c = 0.535 px
xc = 5.776 px
yc = 5.934 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 64829.7347
Standard deviation: 14.53175
R^2: 0.99483
Parameters:
a = 115.09910
b = 1887.59248
c = 54.17679
d = 0.50638

Bead 2467

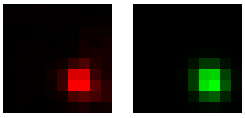
Date : Mon Oct 17 13:29:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

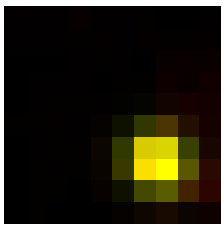
Coordinates : 88.8 um (x), 10.2 um (y), 54.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	453 nm	468 nm	223 nm
max	489 nm	505 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.927		
Theta	-47.8°		

XY profile & fitting parameters :

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

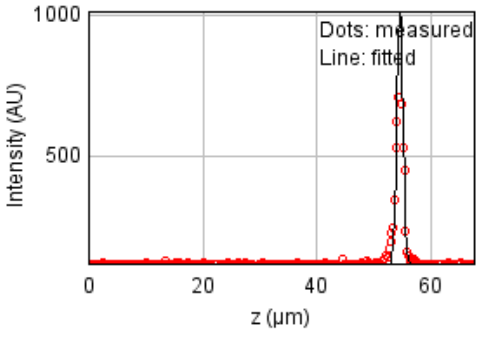




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 1210.413 (brightness)
B = 121.333 (background)
a = 0.612 px
b = -0.046 px
c = 0.604 px
xc = 6.584 px
yc = 6.623 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 155407.792
Standard deviation: 22.49921
R^2: 0.95662
Parameters:
a = 113.22121
b = 1020.89303
c = 54.62907
d = 0.53104

Bead 2468

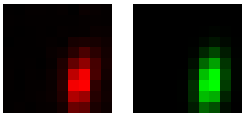
Date : Mon Oct 17 13:29:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

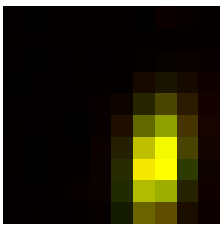
Coordinates : -27.8 um (x), -17.3 um (y), 54.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	425 nm	223 nm
max	834 nm	862 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.493		
Theta	81.7°		

XY profile & fitting parameters :

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

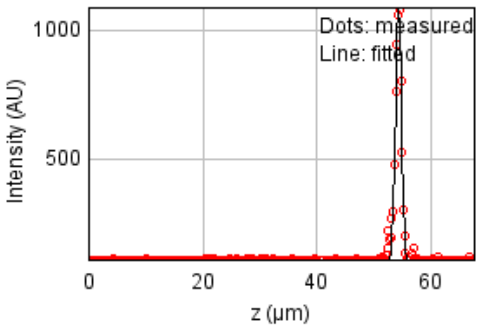




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1452.077 (brightness)
B = 130.620 (background)
a = 0.781 px
b = 0.086 px
c = 0.206 px
xc = 6.591 px
yc = 6.734 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 54507.5275
Standard deviation: 13.32475
R^2: 0.98565
Parameters:
a = 115.03478
b = 1085.63656
c = 54.36162
d = 0.50677

Bead 2469

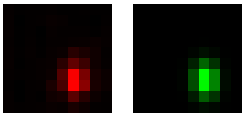
Date : Mon Oct 17 13:29:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

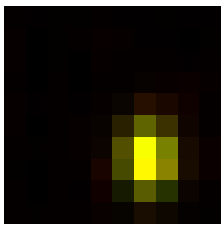
Coordinates : -124 um (x), -56.0 um (y), 53.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	394 nm	223 nm
max	527 nm	545 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.722		
Theta	-87.7°		

XY profile & fitting parameters :

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

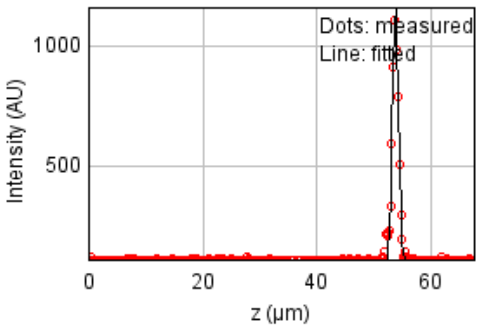




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1216.002 (brightness)
B = 118.348 (background)
a = 0.925 px
b = -0.018 px
c = 0.483 px
xc = 6.143 px
yc = 6.475 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45719.3548
Standard deviation: 12.20340
R^2: 0.98966
Parameters:
a = 112.61961
b = 1159.75793
c = 53.85233
d = 0.50911

Bead 2470

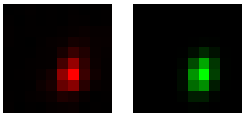
Date : Mon Oct 17 13:29:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

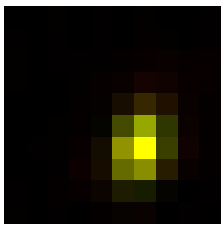
Coordinates : -154 um (x), -63.4 um (y), 54.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	364 nm	377 nm	223 nm
max	532 nm	550 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.685		
Theta	75.2°		

XY profile & fitting parameters :

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

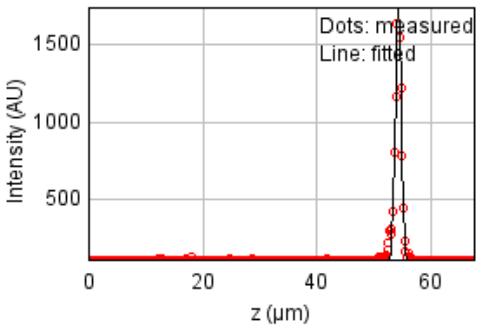




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 1653.427 (brightness)
B = 128.443 (background)
a = 0.976 px
b = 0.133 px
c = 0.510 px
xc = 5.785 px
yc = 5.977 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 100016.305
Standard deviation: 18.04954
R^2: 0.99046
Parameters:
a = 113.47684
b = 1732.85697
c = 54.33440
d = 0.50508

Bead 2471

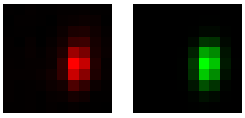
Date : Mon Oct 17 13:29:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

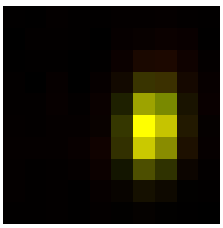
Coordinates : -123 um (x), -66.2 um (y), 53.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	626 nm	648 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.615		
Theta	85.1°		

XY profile & fitting parameters :

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

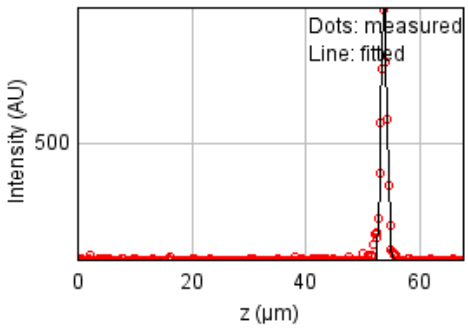




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

Parameters:
A = 912.861 (brightness)
B = 117.998 (background)
a = 0.899 px
b = 0.048 px
c = 0.346 px
xc = 6.346 px
yc = 5.105 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41538.6265
Standard deviation: 11.63207
R^2: 0.98603
Parameters:
a = 111.88946
b = 973.03331
c = 53.78939
d = 0.50420

Bead 2472

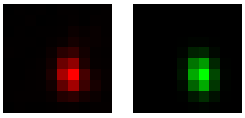
Date : Mon Oct 17 13:29:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

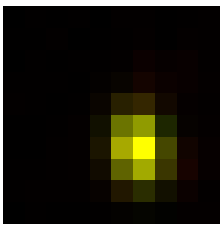
Coordinates : -41.2 um (x), -84.0 um (y), 54.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	410 nm	223 nm
max	548 nm	566 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.723		
Theta	-81.1°		

XY profile & fitting parameters :

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

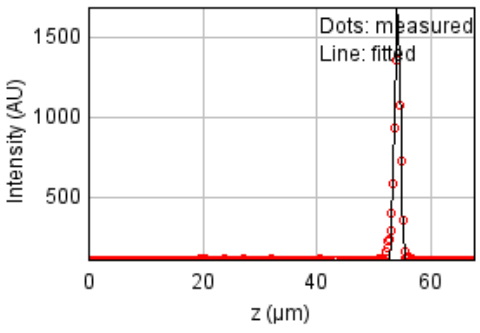




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.989

Parameters:
A = 1757.211 (brightness)
B = 126.046 (background)
a = 0.845 px
b = -0.062 px
c = 0.457 px
xc = 5.747 px
yc = 6.017 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 243622.902
Standard deviation: 28.17020
R^2: 0.97531
Parameters:
a = 115.78705
b = 1700.13585
c = 54.18866
d = 0.48835

Bead 2473

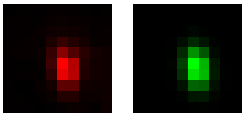
Date : Mon Oct 17 13:29:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

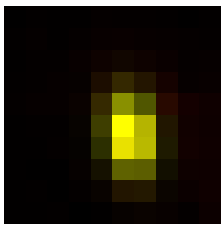
Coordinates : 130 um (x), -87.2 um (y), 54.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	401 nm	223 nm
max	627 nm	649 nm	223 nm
z	1.22 um	1.23 um	885 nm
Asymmetry	0.618		
Theta	-81.8°		

XY profile & fitting parameters :

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

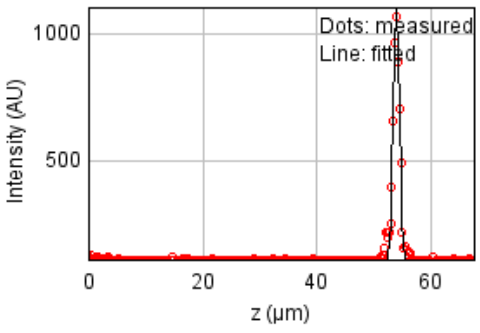




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1152.804 (brightness)
B = 128.910 (background)
a = 0.883 px
b = -0.078 px
c = 0.352 px
xc = 5.334 px
yc = 5.392 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 67485.7407
Standard deviation: 14.82644
R^2: 0.98403
Parameters:
a = 112.58116
b = 1123.87041
c = 54.00782
d = 0.51873

Bead 2474

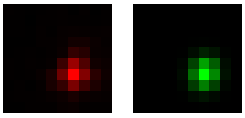
Date : Mon Oct 17 13:29:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

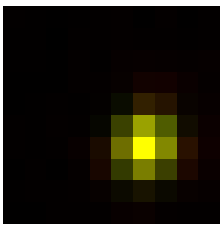
Coordinates : -95.2 um (x), -93.3 um (y), 54.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	439 nm	223 nm
max	482 nm	499 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.881		
Theta	77.9°		

XY profile & fitting parameters :

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

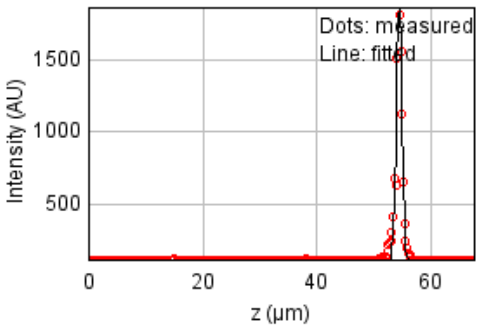




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

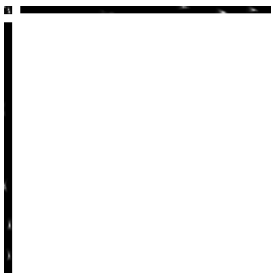
Parameters:
A = 1645.392 (brightness)
B = 131.044 (background)
a = 0.736 px
b = 0.034 px
c = 0.584 px
xc = 6.077 px
yc = 5.889 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 255872.399
Standard deviation: 28.86972
R^2: 0.97891
Parameters:
a = 115.40188
b = 1876.36738
c = 54.48731
d = 0.48780

Bead 2475



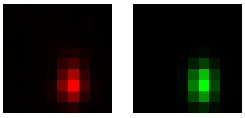
Date : Mon Oct 17 13:29:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

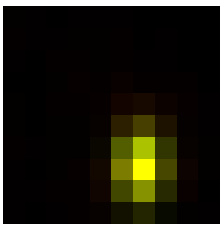
Coordinates : -91.6 um (x), 58.1 um (y), 54.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	366 nm	379 nm	223 nm
max	566 nm	585 nm	223 nm
z	1.17 um	1.17 um	885 nm
Asymmetry	0.648		
Theta	90.0°		

XY profile & fitting parameters :

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

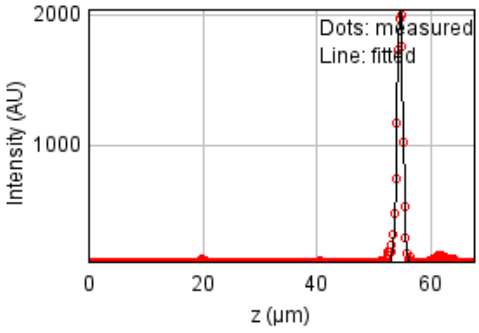




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1807.202 (brightness)
B = 126.610 (background)
a = 1.000 px
b = 0.000 px
c = 0.419 px
xc = 5.862 px
yc = 6.831 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 150672.163
Standard deviation: 22.15375
R^2: 0.98988
Parameters:
a = 118.57314
b = 2065.54536
c = 54.63989
d = 0.49566

Bead 2476

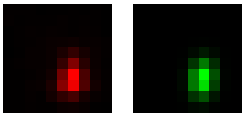
Date : Mon Oct 17 13:29:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

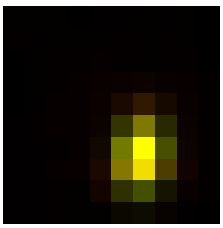
Coordinates : -137 um (x), 54.7 um (y), 54.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	386 nm	223 nm
max	555 nm	573 nm	223 nm
z	1.09 um	1.09 um	885 nm
Asymmetry	0.673		
Theta	83.6°		

XY profile & fitting parameters :

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

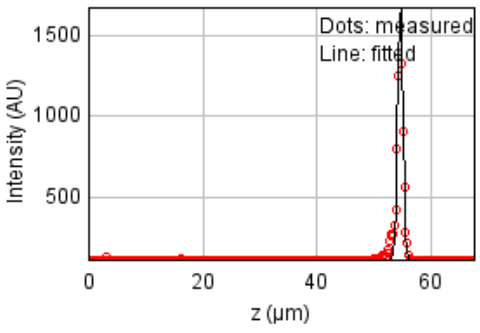




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1713.177 (brightness)
B = 126.458 (background)
a = 0.958 px
b = 0.058 px
c = 0.443 px
xc = 5.865 px
yc = 6.360 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 126671.132
Standard deviation: 20.31279
R^2: 0.98624
Parameters:
a = 113.79656
b = 1695.14459
c = 54.69336
d = 0.46187

Bead 2477

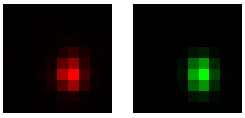
Date : Mon Oct 17 13:29:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

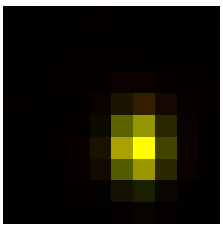
Coordinates : -78.6 um (x), 21.6 um (y), 54.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	400 nm	223 nm
max	501 nm	518 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.773		
Theta	-88.2°		

XY profile & fitting parameters :

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

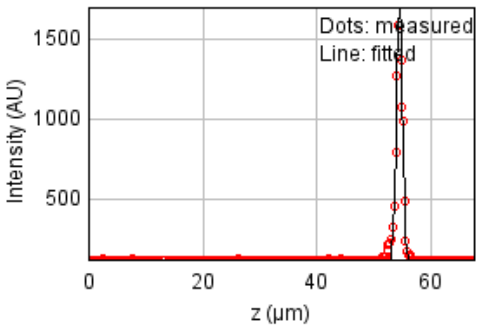




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.991

Parameters:
A = 1829.823 (brightness)
B = 127.689 (background)
a = 0.894 px
b = -0.012 px
c = 0.535 px
xc = 5.756 px
yc = 5.987 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 182022.628
Standard deviation: 24.34969
R^2: 0.98265
Parameters:
a = 114.03016
b = 1696.15340
c = 54.54291
d = 0.52577

Bead 2478

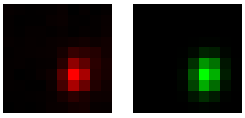
Date : Mon Oct 17 13:29:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

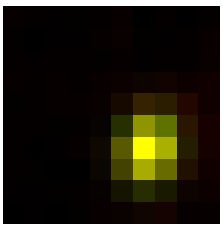
Coordinates : 149 um (x), -1.55 um (y), 54.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	430 nm	444 nm	223 nm
max	541 nm	559 nm	223 nm
z	1.31 um	1.31 um	885 nm
Asymmetry	0.795		
Theta	78.3°		

XY profile & fitting parameters :

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

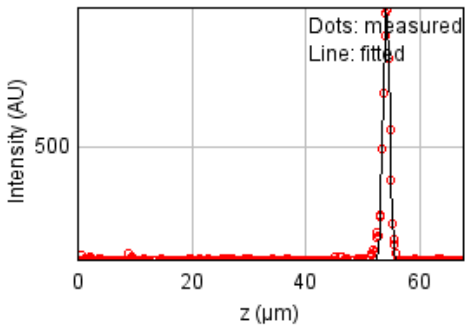




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 845.898 (brightness)
B = 117.241 (background)
a = 0.715 px
b = 0.053 px
c = 0.469 px
xc = 6.236 px
yc = 6.049 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41510.0402
Standard deviation: 11.62806
R^2: 0.98739
Parameters:
a = 111.42336
b = 976.85107
c = 54.17153
d = 0.55490

Bead 2479

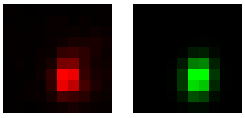
Date : Mon Oct 17 13:29:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

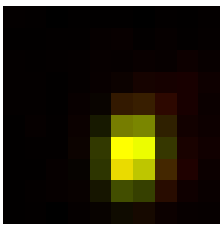
Coordinates : 95.6 um (x), -7.76 um (y), 54.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	434 nm	223 nm
max	558 nm	576 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.752		
Theta	82.2°		

XY profile & fitting parameters :

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

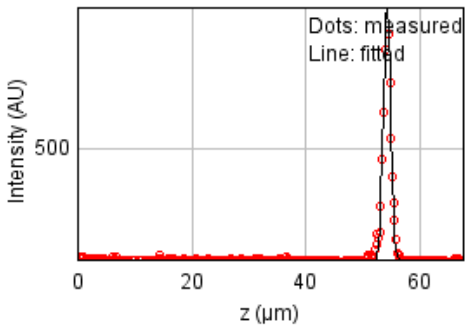




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 1064.888 (brightness)
B = 127.563 (background)
a = 0.757 px
b = 0.044 px
c = 0.438 px
xc = 5.476 px
yc = 6.273 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37084.9035
Standard deviation: 10.99080
R^2: 0.99036
Parameters:
a = 113.30087
b = 994.71706
c = 54.29103
d = 0.62945

Bead 2480

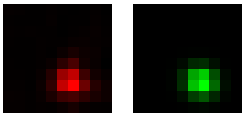
Date : Mon Oct 17 13:29:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

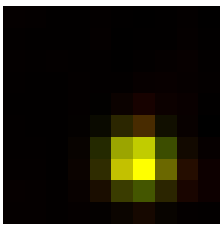
Coordinates : -8.42 um (x), -17.7 um (y), 54.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	461 nm	223 nm
max	482 nm	498 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.925		
Theta	-23.5°		

XY profile & fitting parameters :

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

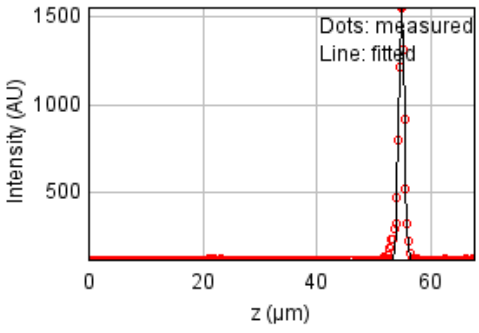




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

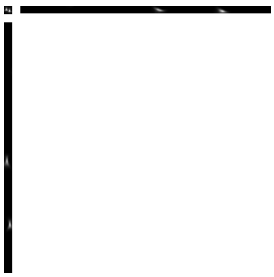
Parameters:
A = 1561.129 (brightness)
B = 122.522 (background)
a = 0.593 px
b = -0.035 px
c = 0.659 px
xc = 5.718 px
yc = 6.657 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 81759.2223
Standard deviation: 16.31921
R^2: 0.99011
Parameters:
a = 115.60149
b = 1576.15981
c = 54.91258
d = 0.48889

Bead 2481



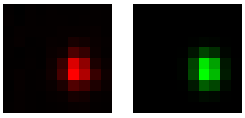
Date : Mon Oct 17 13:30:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

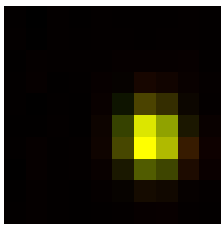
Coordinates : -30.3 um (x), -43.5 um (y), 54.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	487 nm	504 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.839		
Theta	-85.7°		

XY profile & fitting parameters :

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

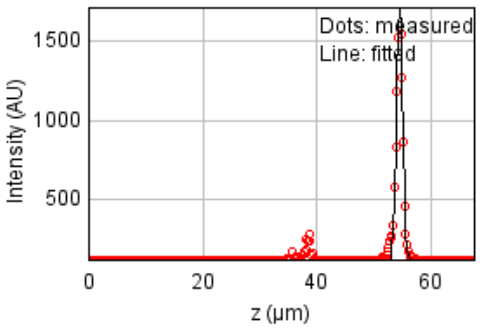




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1902.746 (brightness)
B = 127.385 (background)
a = 0.801 px
b = -0.018 px
c = 0.566 px
xc = 6.293 px
yc = 5.603 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 206010.628
Standard deviation: 25.90452
R^2: 0.98107
Parameters:
a = 120.89524
b = 1713.67884
c = 54.56145
d = 0.53738

Bead 2482

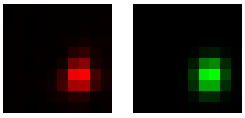
Date : Mon Oct 17 13:30:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

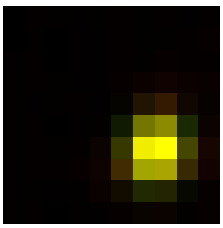
Coordinates : -113 um (x), -71.7 um (y), 54.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	455 nm	223 nm
max	510 nm	527 nm	223 nm
z	1.27 um	1.28 um	885 nm
Asymmetry	0.864		
Theta	76.1°		

XY profile & fitting parameters :

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

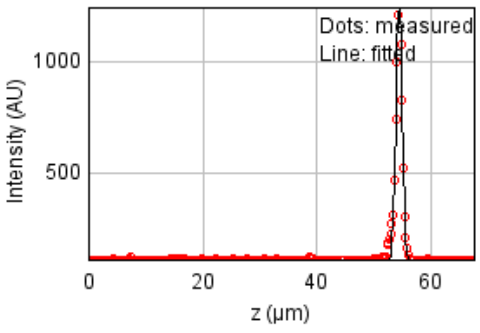




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1343.683 (brightness)
B = 118.807 (background)
a = 0.682 px
b = 0.041 px
c = 0.527 px
xc = 6.548 px
yc = 6.120 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53707.7956
Standard deviation: 13.22664
R^2: 0.99026
Parameters:
a = 114.18631
b = 1250.46935
c = 54.47371
d = 0.54042

Bead 2483

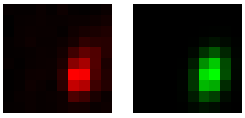
Date : Mon Oct 17 13:30:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

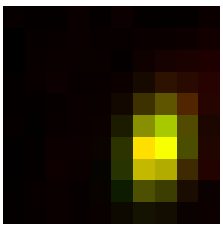
Coordinates : 152 um (x), 95.0 um (y), 54.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	454 nm	223 nm
max	679 nm	701 nm	223 nm
z	1.83 um	1.84 um	885 nm
Asymmetry	0.647		
Theta	75.2°		

XY profile & fitting parameters :

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

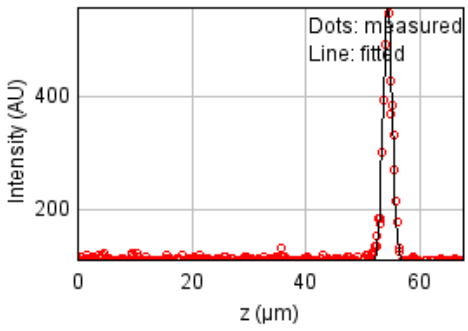




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 560.722 (brightness)
B = 117.760 (background)
a = 0.671 px
b = 0.100 px
c = 0.318 px
xc = 6.600 px
yc = 6.004 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41851.2682
Standard deviation: 11.67576
R^2: 0.96650
Parameters:
a = 111.05544
b = 559.25872
c = 54.40959
d = 0.77759

Bead 2484

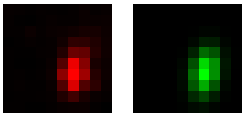
Date : Mon Oct 17 13:30:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

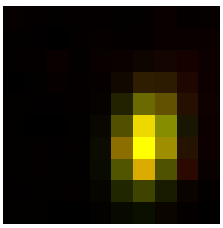
Coordinates : -5.25 um (x), 56.8 um (y), 54.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	428 nm	442 nm	223 nm
max	712 nm	736 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.601		
Theta	79.9°		

XY profile & fitting parameters :

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

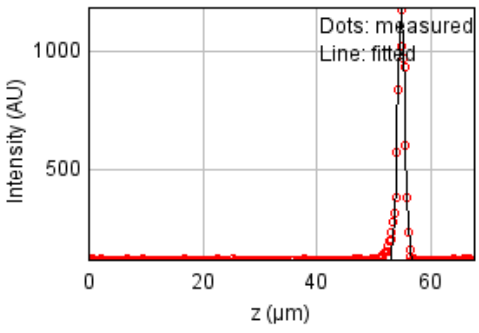




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1144.655 (brightness)
B = 123.812 (background)
a = 0.719 px
b = 0.081 px
c = 0.279 px
xc = 6.120 px
yc = 5.757 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 145241.576
Standard deviation: 21.75085
R^2: 0.97526
Parameters:
a = 114.24486
b = 1193.81704
c = 54.85457
d = 0.63043

Bead 2485

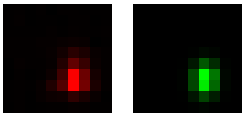
Date : Mon Oct 17 13:30:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

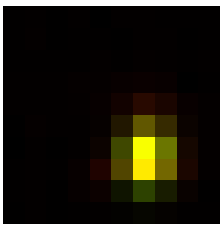
Coordinates : -137 um (x), 51.2 um (y), 55.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	362 nm	374 nm	223 nm
max	479 nm	495 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.757		
Theta	86.8°		

XY profile & fitting parameters :

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

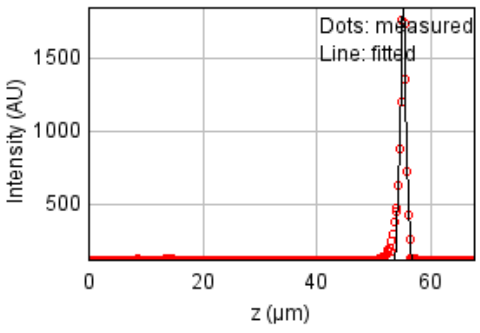




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 2010.163 (brightness)
B = 128.408 (background)
a = 1.022 px
b = 0.024 px
c = 0.587 px
xc = 6.111 px
yc = 6.418 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 320849.418
Standard deviation: 32.32819
R^2: 0.97492
Parameters:
a = 116.50787
b = 1855.41732
c = 55.19363
d = 0.52651

Bead 2486

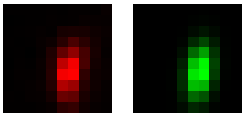
Date : Mon Oct 17 13:30:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

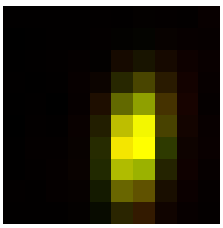
Coordinates : -27.8 um (x), -17.3 um (y), 54.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	841 nm	870 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.486		
Theta	82.4°		

XY profile & fitting parameters :

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

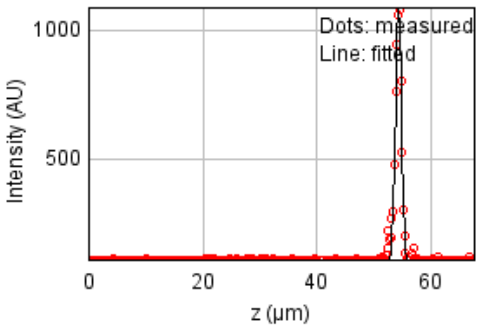




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

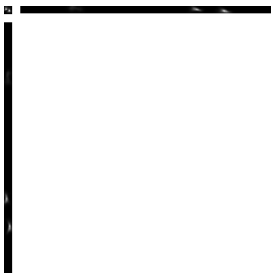
Parameters:
A = 1443.572 (brightness)
B = 135.061 (background)
a = 0.791 px
b = 0.080 px
c = 0.200 px
xc = 5.592 px
yc = 5.750 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 54507.5275
Standard deviation: 13.32475
R^2: 0.98565
Parameters:
a = 115.03478
b = 1085.63656
c = 54.36162
d = 0.50677

Bead 2487



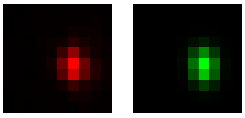
Date : Mon Oct 17 13:30:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

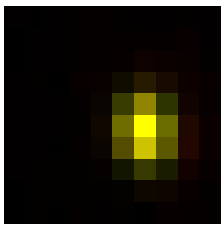
Coordinates : 94.4 um (x), -96.0 um (y), 54.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	406 nm	223 nm
max	539 nm	557 nm	223 nm
z	1.18 um	1.19 um	885 nm
Asymmetry	0.73		
Theta	-85.2°		

XY profile & fitting parameters :

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

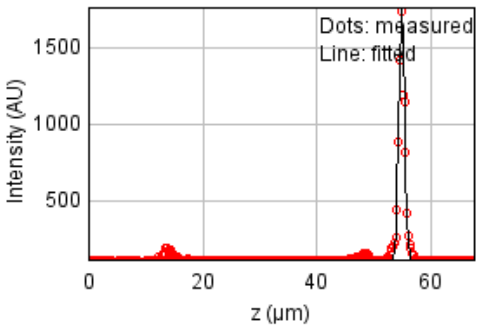




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 1856.021 (brightness)
B = 130.220 (background)
a = 0.865 px
b = -0.034 px
c = 0.465 px
xc = 6.009 px
yc = 5.206 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 287282.069
Standard deviation: 30.59039
R^2: 0.97393
Parameters:
a = 120.64855
b = 1770.16841
c = 54.93556
d = 0.50283

Bead 2488

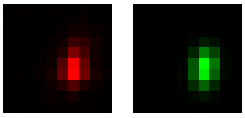
Date : Mon Oct 17 13:30:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

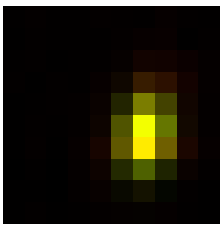
Coordinates : -31.4 um (x), 88.1 um (y), 55.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	375 nm	388 nm	223 nm
max	585 nm	605 nm	223 nm
z	1.37 um	1.37 um	885 nm
Asymmetry	0.642		
Theta	83.3°		

XY profile & fitting parameters :

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

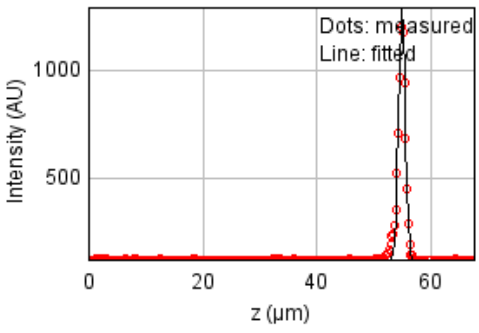




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 1348.289 (brightness)
B = 125.375 (background)
a = 0.945 px
b = 0.065 px
c = 0.400 px
xc = 6.063 px
yc = 5.385 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 67497.7310
Standard deviation: 14.82775
R^2: 0.98932
Parameters:
a = 116.45709
b = 1290.85286
c = 54.97435
d = 0.58048

Bead 2489

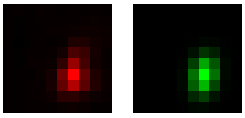
Date : Mon Oct 17 13:30:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

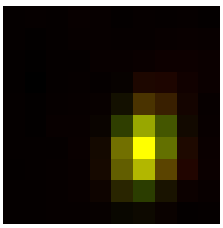
Coordinates : -19.6 um (x), 85.8 um (y), 54.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	413 nm	223 nm
max	605 nm	625 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.661		
Theta	79.9°		

XY profile & fitting parameters :

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

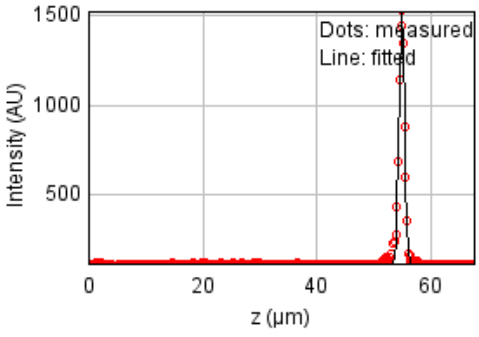




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 1349.466 (brightness)
B = 127.538 (background)
a = 0.826 px
b = 0.082 px
c = 0.382 px
xc = 5.996 px
yc = 6.061 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 62040.9635
Standard deviation: 14.21576
R^2: 0.99184
Parameters:
a = 116.54681
b = 1528.46709
c = 54.94818
d = 0.48160

Bead 2490

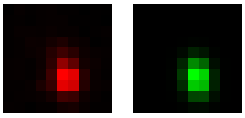
Date : Mon Oct 17 13:30:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

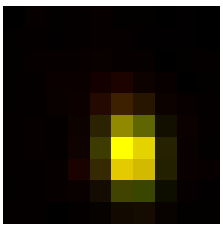
Coordinates : -134 um (x), 73.9 um (y), 54.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	413 nm	223 nm
max	565 nm	584 nm	223 nm
z	1.18 um	1.18 um	885 nm
Asymmetry	0.706		
Theta	-82.3°		

XY profile & fitting parameters :

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

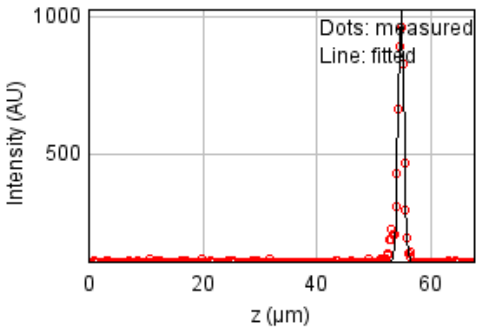




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1037.979 (brightness)
B = 121.315 (background)
a = 0.835 px
b = -0.056 px
c = 0.428 px
xc = 5.402 px
yc = 6.277 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 72276.9299
Standard deviation: 15.34372
R^2: 0.97856
Parameters:
a = 113.02712
b = 1029.11971
c = 54.82573
d = 0.50094

Bead 2491

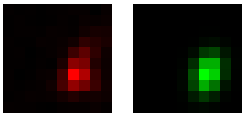
Date : Mon Oct 17 13:30:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

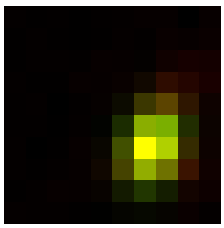
Coordinates : 32.6 um (x), 60.3 um (y), 54.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	432 nm	447 nm	223 nm
max	617 nm	638 nm	223 nm
z	1.45 um	1.46 um	885 nm
Asymmetry	0.7		
Theta	72.1°		

XY profile & fitting parameters :

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

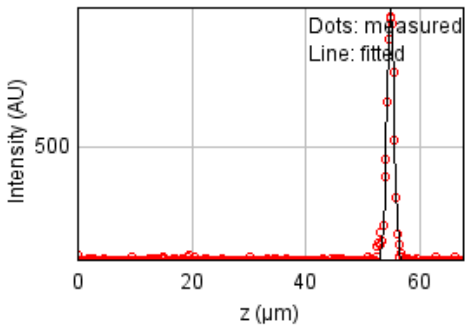




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.940

Parameters:
A = 785.432 (brightness)
B = 124.098 (background)
a = 0.684 px
b = 0.107 px
c = 0.387 px
xc = 6.365 px
yc = 5.897 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41842.7460
Standard deviation: 11.67457
R^2: 0.98879
Parameters:
a = 113.80026
b = 989.47314
c = 54.91227
d = 0.61736

Bead 2492

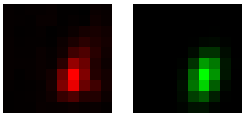
Date : Mon Oct 17 13:30:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

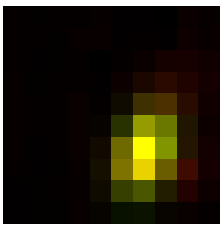
Coordinates : 75.9 um (x), 55.2 um (y), 55.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	435 nm	223 nm
max	670 nm	692 nm	223 nm
z	1.36 um	1.36 um	885 nm
Asymmetry	0.629		
Theta	71.5°		

XY profile & fitting parameters :

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

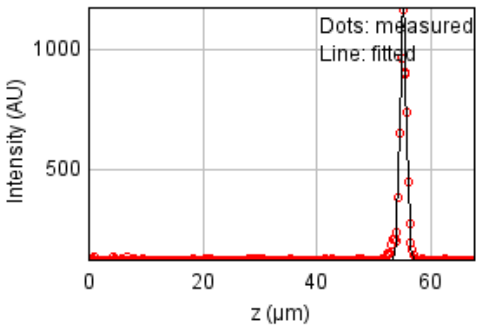




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 1048.825 (brightness)
B = 134.520 (background)
a = 0.711 px
b = 0.137 px
c = 0.345 px
xc = 6.084 px
yc = 6.183 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 106117.278
Standard deviation: 18.59190
R^2: 0.97967
Parameters:
a = 115.19453
b = 1180.10312
c = 55.20250
d = 0.57701

Bead 2493

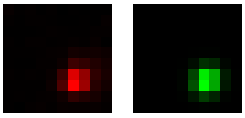
Date : Mon Oct 17 13:30:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

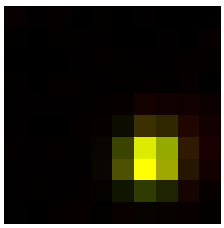
Coordinates : 149 um (x), 14.2 um (y), 55.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	415 nm	223 nm
max	430 nm	444 nm	223 nm
z	1.44 um	1.45 um	885 nm
Asymmetry	0.933		
Theta	50.8°		

XY profile & fitting parameters :

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

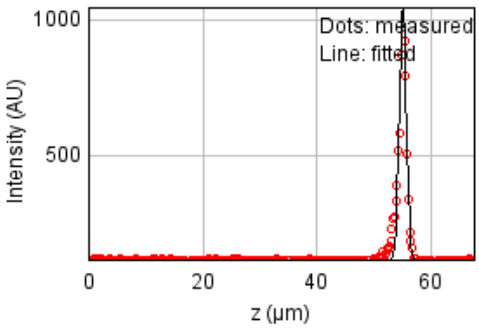




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 1163.014 (brightness)
B = 121.973 (background)
a = 0.790 px
b = 0.053 px
c = 0.769 px
xc = 6.263 px
yc = 6.535 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 114727.581
Standard deviation: 19.33146
R^2: 0.97382
Parameters:
a = 112.48374
b = 1058.31166
c = 55.12905
d = 0.61161

Bead 2494

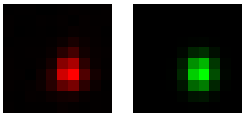
Date : Mon Oct 17 13:30:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

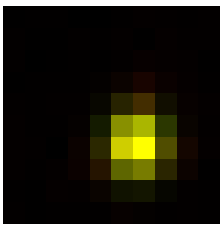
Coordinates : -125 um (x), -22.4 um (y), 54.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	434 nm	449 nm	223 nm
max	503 nm	519 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.864		
Theta	86.9°		

XY profile & fitting parameters :

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

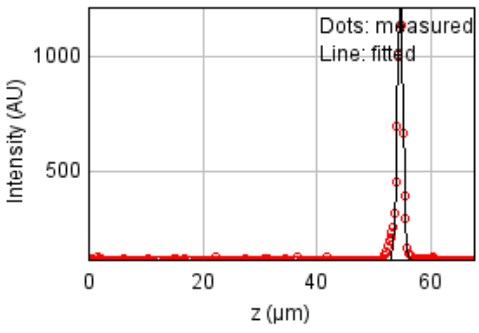




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1239.963 (brightness)
B = 118.491 (background)
a = 0.712 px
b = 0.010 px
c = 0.532 px
xc = 5.654 px
yc = 5.828 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 92819.4317
Standard deviation: 17.38803
R^2: 0.98179
Parameters:
a = 114.17427
b = 1236.59020
c = 54.67504
d = 0.50657

Bead 2495

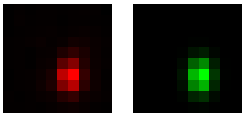
Date : Mon Oct 17 13:30:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

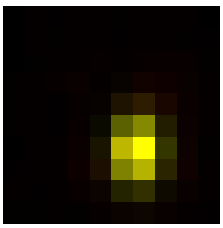
Coordinates : -130 um (x), -42.1 um (y), 54.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	376 nm	389 nm	223 nm
max	524 nm	542 nm	223 nm
z	1.22 um	1.23 um	885 nm
Asymmetry	0.718		
Theta	89.0°		

XY profile & fitting parameters :

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

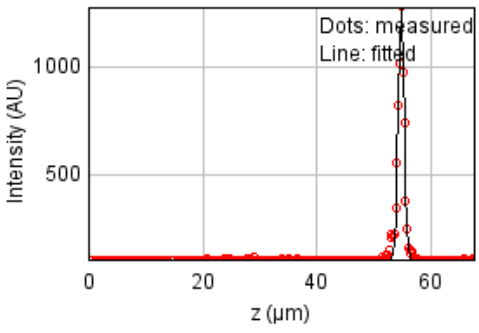




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.991

Parameters:
A = 1328.439 (brightness)
B = 122.140 (background)
a = 0.949 px
b = 0.008 px
c = 0.489 px
xc = 5.676 px
yc = 6.141 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 73355.9717
Standard deviation: 15.45783
R^2: 0.98679
Parameters:
a = 114.38756
b = 1275.70331
c = 54.84581
d = 0.51827

Bead 2496

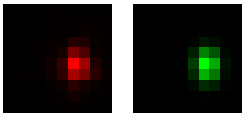
Date : Mon Oct 17 13:30:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

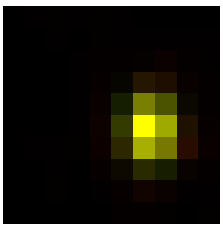
Coordinates : -37.1 um (x), -64.5 um (y), 55.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	378 nm	391 nm	223 nm
max	501 nm	518 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.754		
Theta	-88.3°		

XY profile & fitting parameters :

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

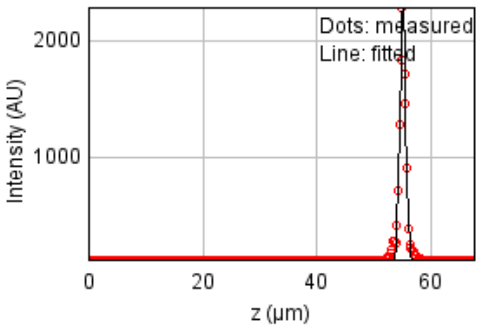




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 2375.693 (brightness)
B = 129.772 (background)
a = 0.940 px
b = -0.012 px
c = 0.536 px
xc = 6.285 px
yc = 5.158 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 176115.712
Standard deviation: 23.95134
R^2: 0.99094
Parameters:
a = 114.96613
b = 2315.74777
c = 55.12579
d = 0.50717

Bead 2497

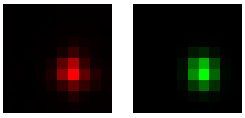
Date : Mon Oct 17 13:30:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

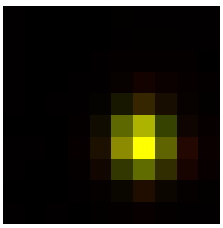
Coordinates : -24.4 um (x), -69.7 um (y), 55.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	428 nm	223 nm
max	473 nm	489 nm	223 nm
z	1.21 um	1.21 um	885 nm
Asymmetry	0.877		
Theta	-79.7°		

XY profile & fitting parameters :

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

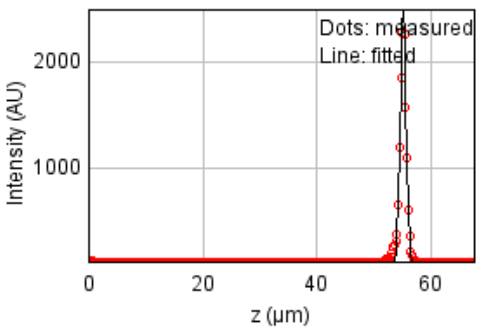




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 2439.770 (brightness)
B = 134.610 (background)
a = 0.775 px
b = -0.032 px
c = 0.606 px
xc = 5.884 px
yc = 5.785 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 115753.222
Standard deviation: 19.41768
R^2: 0.99491
Parameters:
a = 118.01886
b = 2488.34109
c = 55.19201
d = 0.51325

Bead 2498

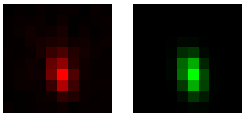
Date : Mon Oct 17 13:30:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

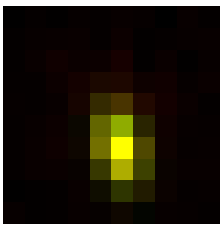
Coordinates : -163 um (x), 94.2 um (y), 54.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	353 nm	365 nm	223 nm
max	609 nm	630 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.579		
Theta	-77.6°		

XY profile & fitting parameters :

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

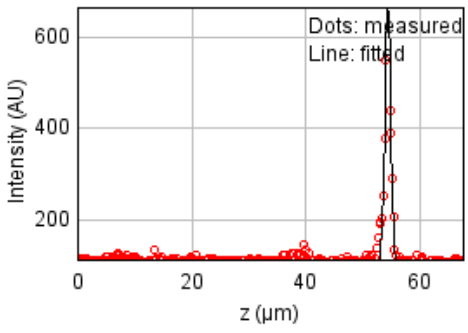




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 574.128 (brightness)
B = 115.848 (background)
a = 1.046 px
b = -0.150 px
c = 0.395 px
xc = 4.887 px
yc = 5.961 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50458.4271
Standard deviation: 12.82028
R^2: 0.95914
Parameters:
a = 113.21780
b = 672.95385
c = 54.43024
d = 0.48137

Bead 2499

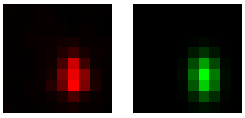
Date : Mon Oct 17 13:30:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

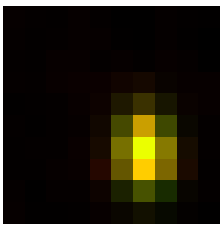
Coordinates : -122 um (x), 58.7 um (y), 55.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	427 nm	223 nm
max	622 nm	643 nm	223 nm
z	1.49 um	1.49 um	885 nm
Asymmetry	0.664		
Theta	-87.0°		

XY profile & fitting parameters :

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

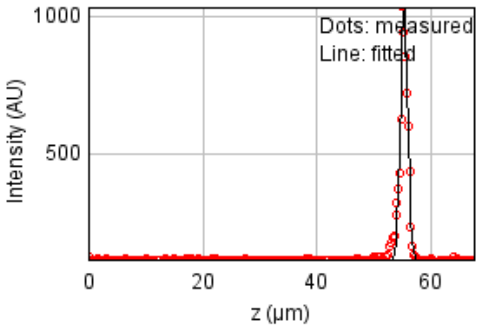




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 1126.269 (brightness)
B = 115.669 (background)
a = 0.785 px
b = -0.023 px
c = 0.348 px
xc = 6.029 px
yc = 6.184 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 123558.488
Standard deviation: 20.06167
R^2: 0.97154
Parameters:
a = 113.34542
b = 1038.85760
c = 55.35267
d = 0.63220

Bead 2500

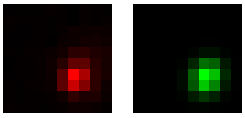
Date : Mon Oct 17 13:30:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

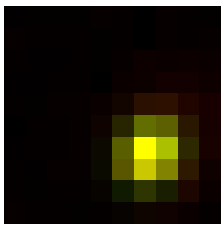
Coordinates : 140 um (x), 29.4 um (y), 55.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	447 nm	462 nm	223 nm
max	516 nm	534 nm	223 nm
z	1.37 um	1.38 um	885 nm
Asymmetry	0.865		
Theta	62.4°		

XY profile & fitting parameters :

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

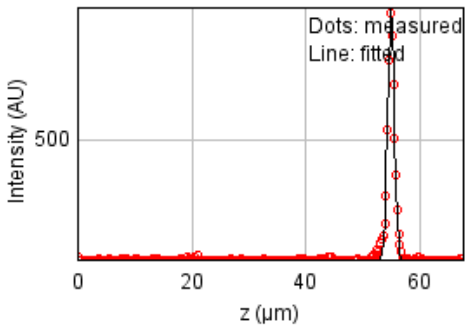




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 849.284 (brightness)
B = 123.527 (background)
a = 0.636 px
b = 0.069 px
c = 0.540 px
xc = 6.248 px
yc = 6.242 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34175.9388
Standard deviation: 10.55094
R^2: 0.98888
Parameters:
a = 112.11858
b = 929.12577
c = 54.98649
d = 0.58273