Bead 1501

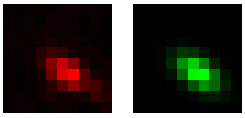
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

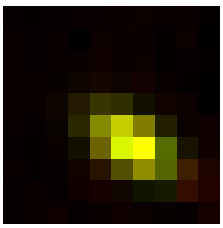
Coordinates : 163 um (x), -62.9 um (y), 33.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	413 nm	223 nm
max	714 nm	738 nm	223 nm
z	1.63 um	1.64 um	885 nm
Asymmetry	0.56		
Theta	-34.3°		

XY profile & fitting parameters :

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

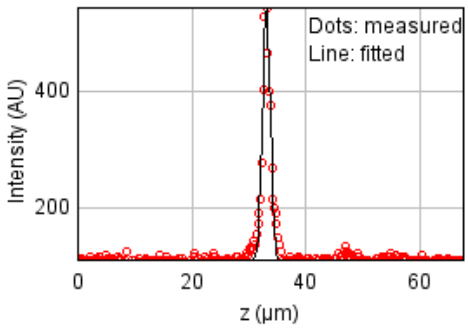




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 449.174 (brightness)
B = 115.961 (background)
a = 0.446 px
b = -0.268 px
c = 0.657 px
xc = 5.425 px
yc = 5.812 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37033.0197
Standard deviation: 10.98311
R^2: 0.96453
Parameters:
a = 111.81840
b = 544.25692
c = 33.15145
d = 0.69350

Bead 1502 (Rejected)

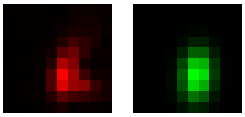
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

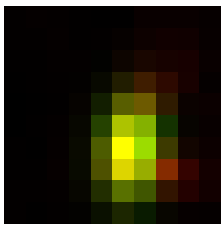
Coordinates : 21.9 um (x), 95.0 um (y), 34.0 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	478 nm	494 nm	223 nm
max	771 nm	797 nm	223 nm
z	1.46 um	1.46 um	885 nm
Asymmetry	0.619		
Theta	85.4°		

XY profile & fitting parameters :

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

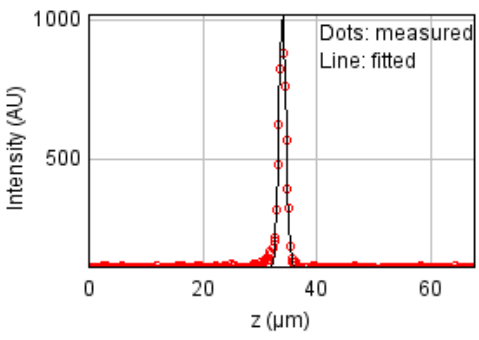




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.893

Parameters:
A = 889.703 (brightness)
B = 132.611 (background)
a = 0.586 px
b = 0.029 px
c = 0.228 px
xc = 5.367 px
yc = 6.054 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40833.4642
Standard deviation: 11.53291
R^2: 0.98988
Parameters:
a = 114.10106
b = 1024.12795
c = 34.04899
d = 0.61849

Bead 1503

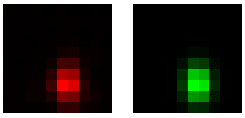
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

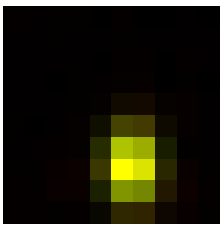
Coordinates : -9.37 um (x), 44.0 um (y), 34.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	416 nm	223 nm
max	577 nm	596 nm	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.698		
Theta	-89.3°		

XY profile & fitting parameters :

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

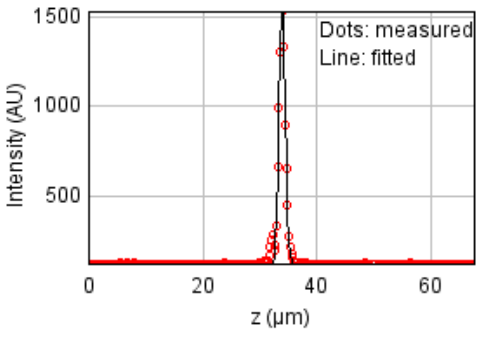




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.991

Parameters:
A = 1573.422 (brightness)
B = 124.272 (background)
a = 0.827 px
b = -0.006 px
c = 0.403 px
xc = 5.429 px
yc = 6.837 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 101471.159
Standard deviation: 18.18035
R^2: 0.98873
Parameters:
a = 116.35328
b = 1555.04918
c = 33.98977
d = 0.54979

Bead 1504

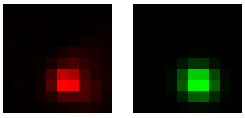
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

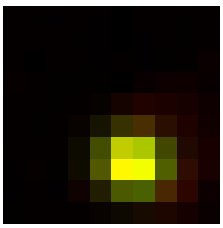
Coordinates : 60.8 um (x), 30.2 um (y), 34.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	466 nm	482 nm	223 nm
max	521 nm	539 nm	223 nm
z	1.88 um	1.89 um	885 nm
Asymmetry	0.895		
Theta	-14.9°		

XY profile & fitting parameters :

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

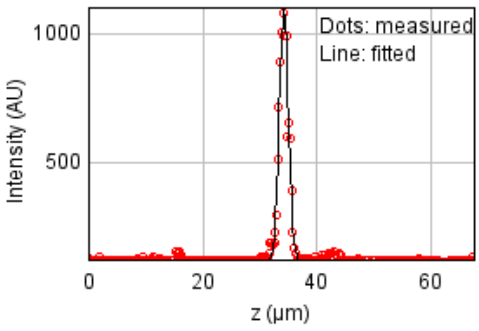




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

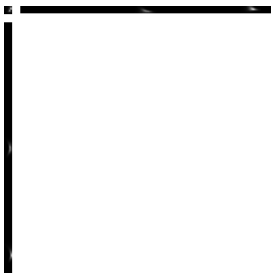
Parameters:
A = 1060.023 (brightness)
B = 130.510 (background)
a = 0.502 px
b = -0.031 px
c = 0.610 px
xc = 5.510 px
yc = 6.681 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 119410.810
Standard deviation: 19.72208
R^2: 0.98059
Parameters:
a = 115.62815
b = 1105.28093
c = 34.29301
d = 0.79795

Bead 1505



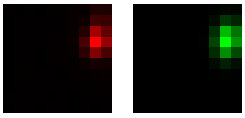
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

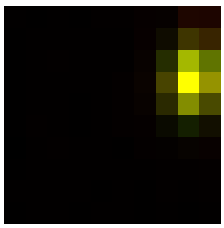
Coordinates : 28.9 um (x), 8.18 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	377 nm	390 nm	223 nm
max	541 nm	560 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.697		
Theta	84.6°		

XY profile & fitting parameters :

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

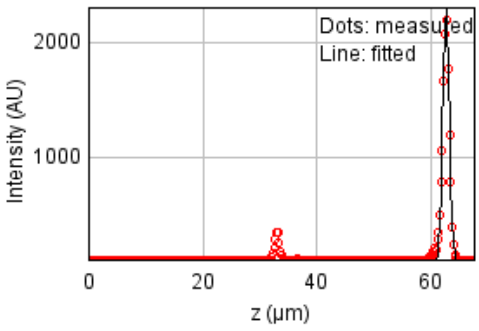




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

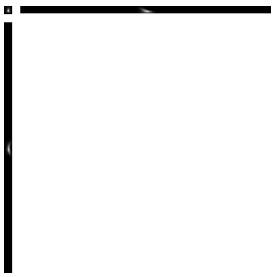
Parameters:
A = 2245.216 (brightness)
B = 122.007 (background)
a = 0.939 px
b = 0.045 px
c = 0.462 px
xc = 8.214 px
yc = 2.835 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 334673.120
Standard deviation: 33.01728
R^2: 0.98432
Parameters:
a = 120.63517
b = 2297.36473
c = 62.71360
d = 0.56721

Bead 1506



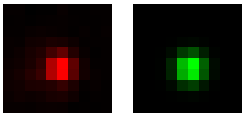
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

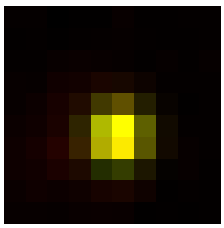
Coordinates : -99.3 um (x), -1.41 um (y), 33.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	453 nm	468 nm	223 nm
max	463 nm	478 nm	223 nm
z	1.55 um	1.56 um	885 nm
Asymmetry	0.978		
Theta	75.2°		

XY profile & fitting parameters :

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

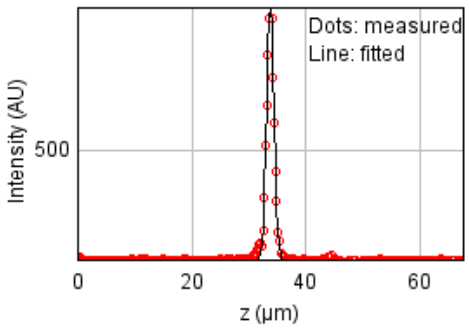




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1116.779 (brightness)
B = 132.267 (background)
a = 0.653 px
b = 0.007 px
c = 0.629 px
xc = 4.741 px
yc = 5.431 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 91283.6599
Standard deviation: 17.24358
R^2: 0.97789
Parameters:
a = 112.68004
b = 1000.21547
c = 33.83802
d = 0.65895

Bead 1507 (Rejected)

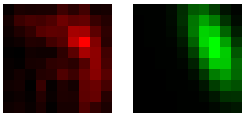
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

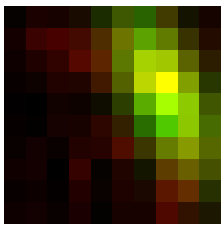
Coordinates : -101 um (x), -2.96 um (y), 32.1 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	606 nm	627 nm	223 nm
max	1.4 um	1.45 um	223 nm
z	1.12 um	1.13 um	885 nm
Asymmetry	0.433		
Theta	-65.0°		

XY profile & fitting parameters :

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

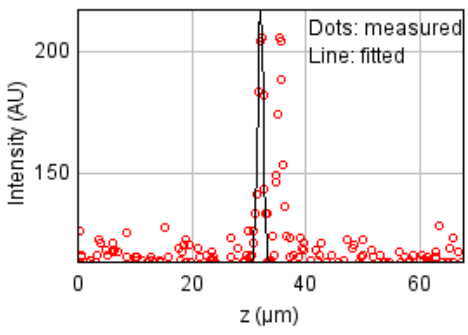




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.767

Parameters:
A = 136.531 (brightness)
B = 139.498 (background)
a = 0.312 px
b = -0.114 px
c = 0.122 px
xc = 6.927 px
yc = 3.445 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41949.2036
Standard deviation: 11.68941
R^2: 0.49010
Parameters:
a = 113.61011
b = 217.46245
c = 32.10345
d = 0.47587

Bead 1508 (Rejected)

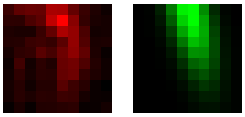
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

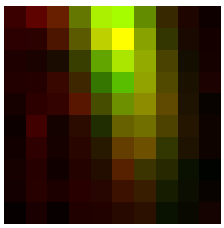
Coordinates : -101 um (x), -2.61 um (y), 32.1 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	628 nm	649 nm	223 nm
max	2.1 um	2.17 um	223 nm
z	1.12 um	1.13 um	885 nm
Asymmetry	0.299		
Theta	-76.2°		

XY profile & fitting parameters :

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

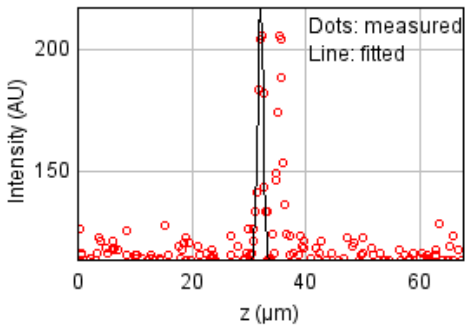




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.799

Parameters:
A = 154.996 (brightness)
B = 131.903 (background)
a = 0.322 px
b = -0.072 px
c = 0.048 px
xc = 4.548 px
yc = -0.159 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41949.2036
Standard deviation: 11.68941
R^2: 0.49010
Parameters:
a = 113.61011
b = 217.46245
c = 32.10345
d = 0.47587

Bead 1509

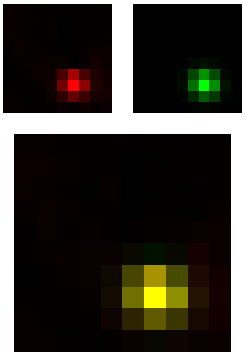
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 125 um (x), -11.6 um (y), 33.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	418 nm	223 nm
max	439 nm	454 nm	223 nm
z	1.44 um	1.44 um	885 nm
Asymmetry	0.921		
Theta	-22.3°		

XY profile & fitting parameters :

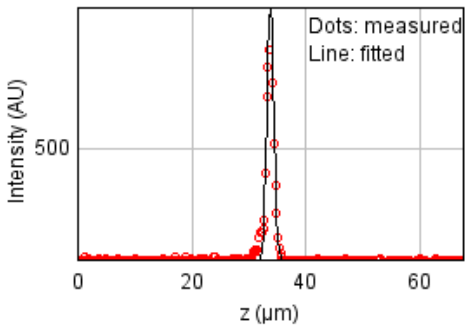
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 981.691 (brightness)
B = 121.272 (background)
a = 0.714 px
b = -0.044 px
c = 0.803 px
xc = 6.076 px
yc = 6.848 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 110311.633
Standard deviation: 18.95577
R^2: 0.97042
Parameters:
a = 113.26618
b = 985.13120
c = 33.84997
d = 0.61034

Bead 1510

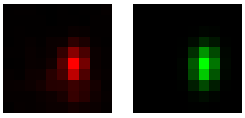
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

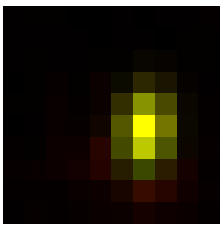
Coordinates : -50.4 um (x), -44.5 um (y), 33.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	379 nm	392 nm	223 nm
max	584 nm	604 nm	223 nm
z	1.13 um	1.13 um	885 nm
Asymmetry	0.648		
Theta	85.9°		

XY profile & fitting parameters :

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

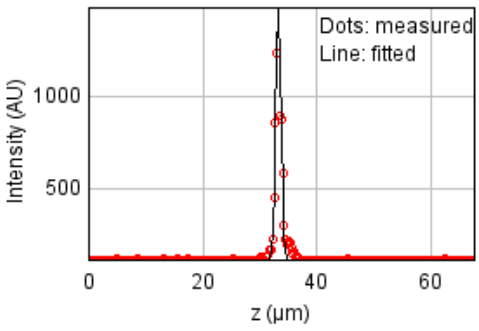




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 1382.440 (brightness)
B = 143.455 (background)
a = 0.932 px
b = 0.038 px
c = 0.396 px
xc = 6.072 px
yc = 5.191 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 198790.569
Standard deviation: 25.44654
R^2: 0.97331
Parameters:
a = 115.37777
b = 1502.61219
c = 33.31365
d = 0.47961

Bead 1511

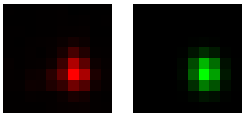
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

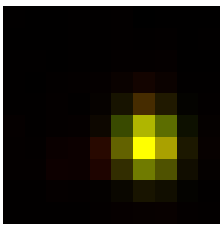
Coordinates : -35.6 um (x), 62.3 um (y), 34.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	433 nm	447 nm	223 nm
max	502 nm	519 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.861		
Theta	-81.5°		

XY profile & fitting parameters :

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

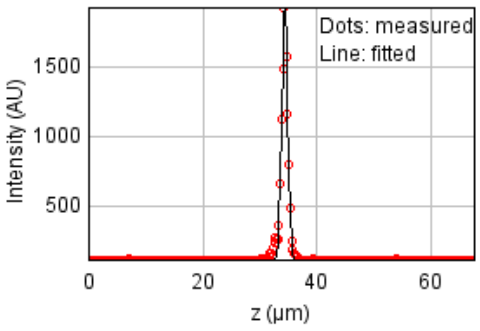




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

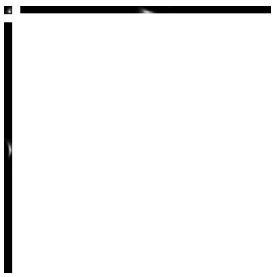
Parameters:
A = 1912.172 (brightness)
B = 133.419 (background)
a = 0.712 px
b = -0.027 px
c = 0.536 px
xc = 6.168 px
yc = 5.825 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 126152.873
Standard deviation: 20.27120
R^2: 0.99085
Parameters:
a = 116.30039
b = 1940.42125
c = 34.45524
d = 0.52395

Bead 1512



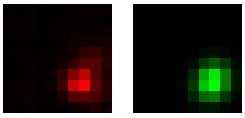
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

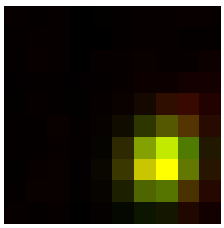
Coordinates : 79.8 um (x), 45.8 um (y), 34.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	500 nm	516 nm	223 nm
max	573 nm	593 nm	223 nm
z	1.49 um	1.49 um	885 nm
Asymmetry	0.871		
Theta	59.8°		

XY profile & fitting parameters :

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

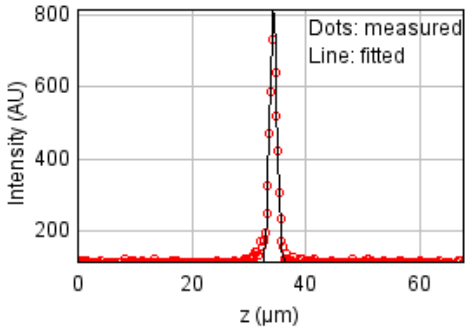




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.935

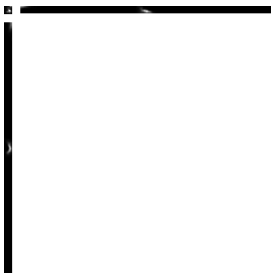
Parameters:
A = 717.167 (brightness)
B = 119.279 (background)
a = 0.505 px
b = 0.056 px
c = 0.441 px
xc = 6.795 px
yc = 6.634 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 39001.3991
Standard deviation: 11.27122
R^2: 0.98420
Parameters:
a = 113.92202
b = 816.62573
c = 34.38416
d = 0.63174

Bead 1513



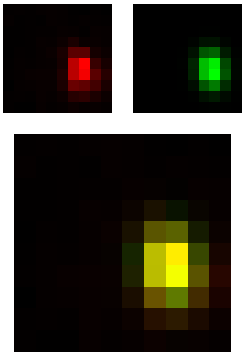
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 10.9 um (x), 23.0 um (y), 33.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	431 nm	446 nm	223 nm
max	579 nm	599 nm	223 nm
z	950 nm	954 nm	885 nm
Asymmetry	0.744		
Theta	-82.9°		

XY profile & fitting parameters :

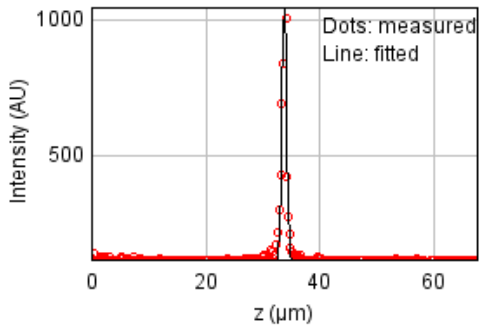
(red : the orignal data, green : the fit, yellow : the two merged)



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

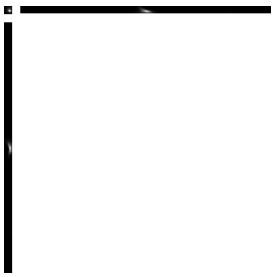
Parameters:
A = 1103.028 (brightness)
B = 122.630 (background)
a = 0.717 px
b = -0.040 px
c = 0.405 px
xc = 6.689 px
yc = 5.561 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 110327.677
Standard deviation: 18.95715
R^2: 0.96179
Parameters:
a = 116.10631
b = 1050.15047
c = 33.83446
d = 0.40360

Bead 1514



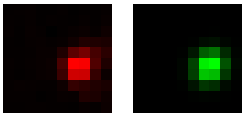
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

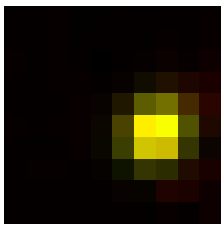
Coordinates : 108 um (x), 16.0 um (y), 33.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	454 nm	470 nm	223 nm
max	507 nm	524 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.896		
Theta	53.8°		

XY profile & fitting parameters :

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

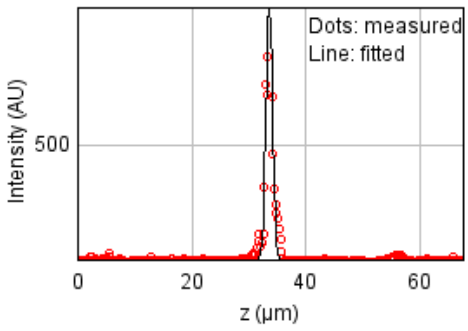




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 1144.596 (brightness)
B = 121.699 (background)
a = 0.606 px
b = 0.061 px
c = 0.567 px
xc = 6.530 px
yc = 5.275 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 150840.594
Standard deviation: 22.16613
R^2: 0.95570
Parameters:
a = 114.36386
b = 957.80851
c = 33.65491
d = 0.58574

Bead 1515

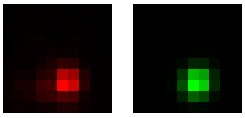
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

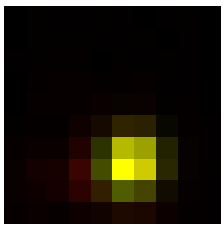
Coordinates : -73.2 um (x), 14.1 um (y), 34.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	439 nm	223 nm
max	457 nm	472 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.93		
Theta	58.7°		

XY profile & fitting parameters :

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

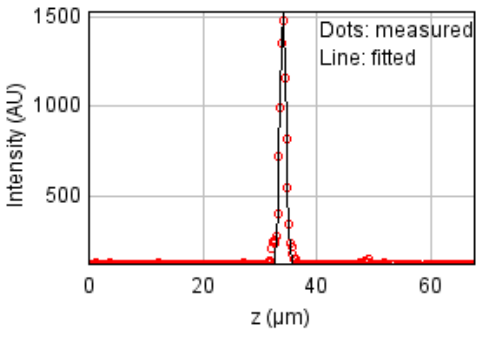




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

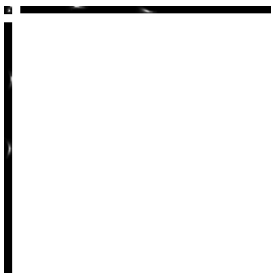
Parameters:
A = 1621.107 (brightness)
B = 138.124 (background)
a = 0.716 px
b = 0.044 px
c = 0.670 px
xc = 5.360 px
yc = 6.718 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 81845.5111
Standard deviation: 16.32782
R^2: 0.99041
Parameters:
a = 115.74158
b = 1533.36464
c = 34.14884
d = 0.53737

Bead 1516 (Rejected)



Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 49.9 um (x), -15.0 um (y), 14.4 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

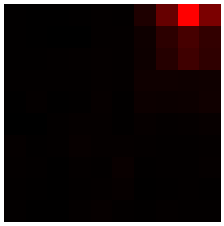
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	3.27 um	3.28 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

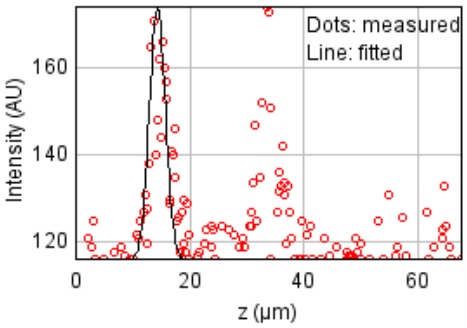
XY profile & fitting parameters :

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

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

Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66079.6203
Standard deviation: 14.67116
R^2: 0.34606
Parameters:
a = 116.02001
b = 174.11402
c = 14.41895
d = 1.38665

Bead 1517 (Rejected)

Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 56.1 um (x), -39.4 um (y), 3.72 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

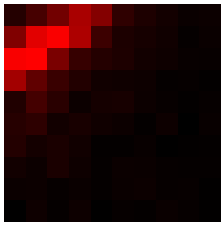
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.73 um	1.74 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

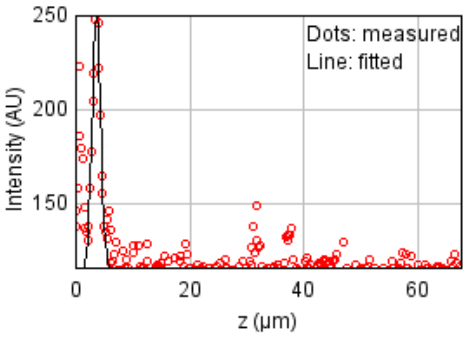
XY profile & fitting parameters :

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

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

Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47724.8309
Standard deviation: 12.46818
R^2: 0.68387
Parameters:
a = 115.80875
b = 250.43406
c = 3.71969
d = 0.73532

Bead 1518

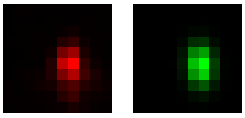
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

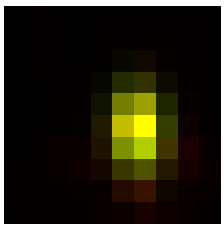
Coordinates : -9.31 um (x), -56.1 um (y), 33.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	627 nm	648 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.632		
Theta	-86.5°		

XY profile & fitting parameters :

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

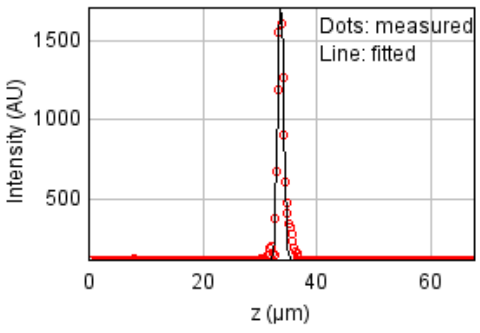




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

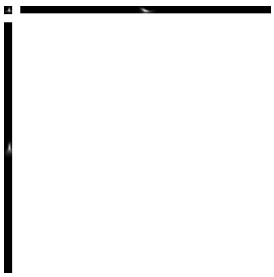
Parameters:
A = 1740.535 (brightness)
B = 133.675 (background)
a = 0.854 px
b = -0.031 px
c = 0.343 px
xc = 5.677 px
yc = 5.152 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 268977.672
Standard deviation: 29.59981
R^2: 0.97569
Parameters:
a = 116.89073
b = 1718.67669
c = 33.72496
d = 0.53729

Bead 1519



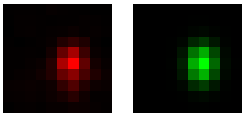
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

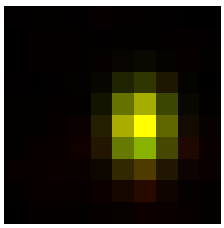
Coordinates : -17.4 um (x), -65.6 um (y), 33.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	452 nm	468 nm	223 nm
max	595 nm	615 nm	223 nm
z	1.37 um	1.38 um	885 nm
Asymmetry	0.76		
Theta	88.9°		

XY profile & fitting parameters :

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

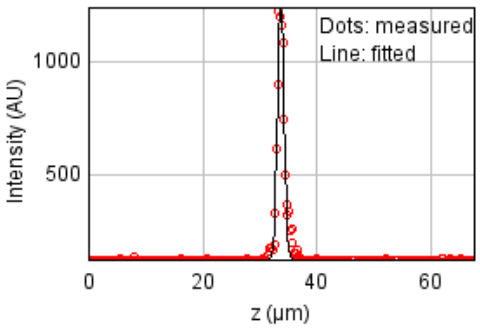




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

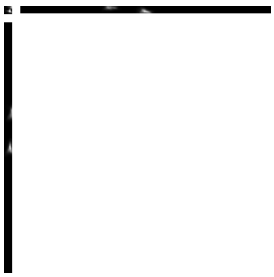
Parameters:
A = 1024.344 (brightness)
B = 126.396 (background)
a = 0.655 px
b = 0.005 px
c = 0.379 px
xc = 5.804 px
yc = 5.027 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 140659.926
Standard deviation: 21.40504
R^2: 0.97665
Parameters:
a = 115.22766
b = 1253.10275
c = 33.73444
d = 0.58180

Bead 1520



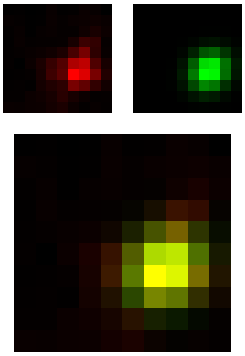
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -117 um (x), -94.7 um (y), 33.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	547 nm	566 nm	223 nm
max	622 nm	643 nm	223 nm
z	1.86 um	1.87 um	885 nm
Asymmetry	0.879		
Theta	42.4°		

XY profile & fitting parameters :

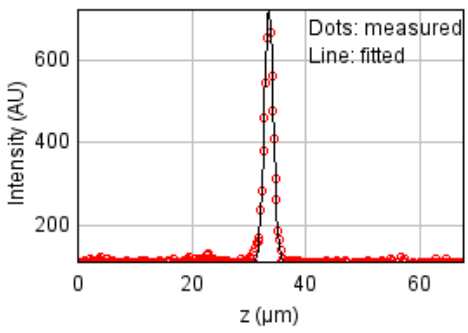
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 598.884 (brightness)
B = 123.969 (background)
a = 0.393 px
b = 0.051 px
c = 0.402 px
xc = 6.497 px
yc = 5.639 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27439.4638
Standard deviation: 9.45407
R^2: 0.98804
Parameters:
a = 113.55423
b = 723.08264
c = 33.57195
d = 0.78998

Bead 1521

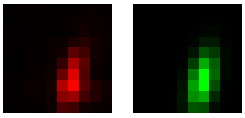
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

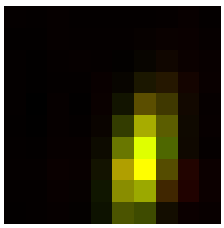
Coordinates : 3.05 um (x), 86.6 um (y), 34.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	406 nm	223 nm
max	890 nm	920 nm	223 nm
z	1.12 um	1.12 um	885 nm
Asymmetry	0.442		
Theta	77.7°		

XY profile & fitting parameters :

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

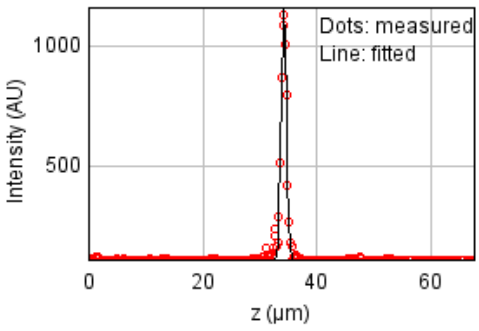




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 1164.910 (brightness)
B = 122.083 (background)
a = 0.836 px
b = 0.146 px
c = 0.201 px
xc = 5.853 px
yc = 6.588 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 60992.3715
Standard deviation: 14.09511
R^2: 0.98520
Parameters:
a = 114.43753
b = 1158.40728
c = 34.28762
d = 0.47426

Bead 1522

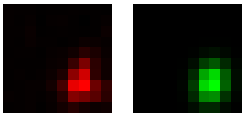
Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

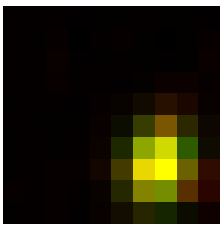
Coordinates : 8.07 um (x), 82.1 um (y), 34.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	480 nm	496 nm	223 nm
max	605 nm	625 nm	223 nm
z	1.35 um	1.36 um	885 nm
Asymmetry	0.793		
Theta	76.9°		

XY profile & fitting parameters :

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

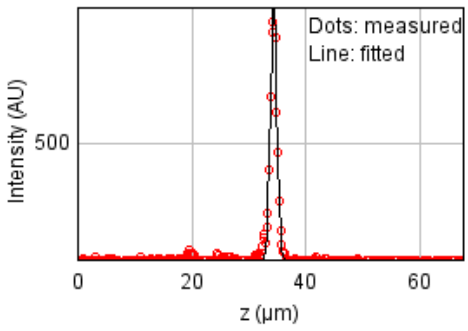




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

Parameters:
A = 905.027 (brightness)
B = 120.710 (background)
a = 0.572 px
b = 0.048 px
c = 0.378 px
xc = 6.670 px
yc = 6.757 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45464.2386
Standard deviation: 12.16930
R^2: 0.98601
Parameters:
a = 115.58116
b = 960.33296
c = 34.43426
d = 0.57466

Bead 1523 (Rejected)

Date : Mon Oct 17 13:29:03 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 46.6 um (x), 70.0 um (y), 51.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

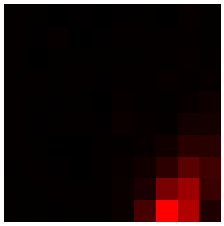
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.36 um	1.37 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

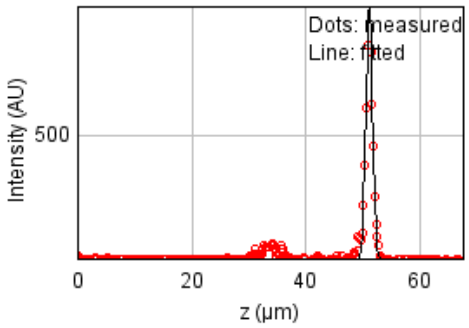
XY profile & fitting parameters :

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

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

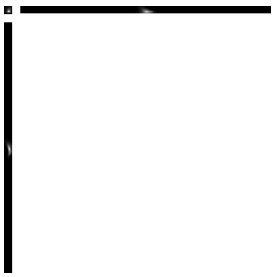
Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 60930.7557
Standard deviation: 14.08799
R^2: 0.97885
Parameters:
a = 116.69216
b = 906.40272
c = 51.16316
d = 0.57890

Bead 1524



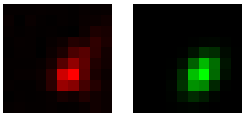
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

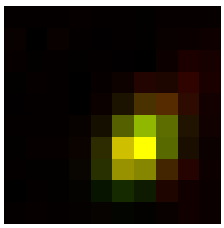
Coordinates : 97.4 um (x), 60.5 um (y), 34.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	430 nm	444 nm	223 nm
max	622 nm	643 nm	223 nm
z	1.68 um	1.69 um	885 nm
Asymmetry	0.692		
Theta	52.8°		

XY profile & fitting parameters :

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

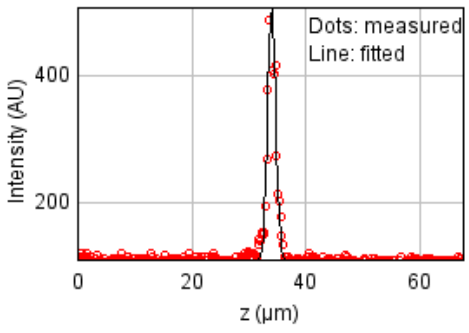




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.930

Parameters:
A = 709.133 (brightness)
B = 124.146 (background)
a = 0.588 px
b = 0.182 px
c = 0.486 px
xc = 5.767 px
yc = 5.926 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31334.9410
Standard deviation: 10.10288
R^2: 0.96458
Parameters:
a = 111.90820
b = 504.33735
c = 34.08623
d = 0.71440

Bead 1525

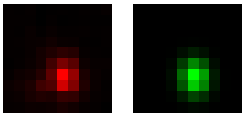
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

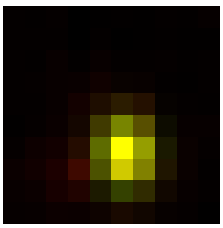
Coordinates : -64.9 um (x), 43.3 um (y), 34.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	461 nm	223 nm
max	550 nm	568 nm	223 nm
z	1.18 um	1.19 um	885 nm
Asymmetry	0.811		
Theta	-85.8°		

XY profile & fitting parameters :

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

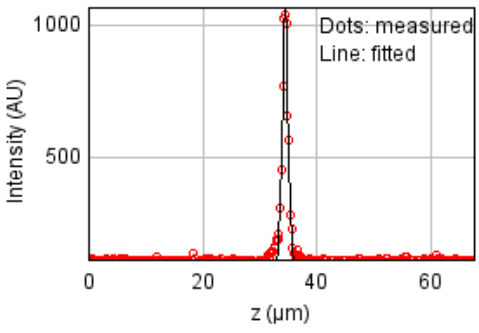




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 919.427 (brightness)
B = 128.581 (background)
a = 0.674 px
b = -0.017 px
c = 0.445 px
xc = 5.148 px
yc = 6.239 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56520.8282
Standard deviation: 13.56860
R^2: 0.98435
Parameters:
a = 115.16034
b = 1065.99982
c = 34.53429
d = 0.50127

Bead 1526

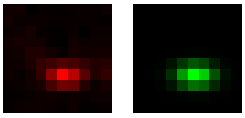
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

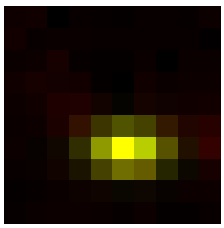
Coordinates : 160 um (x), 40.9 um (y), 33.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	372 nm	384 nm	223 nm
max	614 nm	634 nm	223 nm
z	1.66 um	1.66 um	885 nm
Asymmetry	0.605		
Theta	-1.4°		

XY profile & fitting parameters :

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

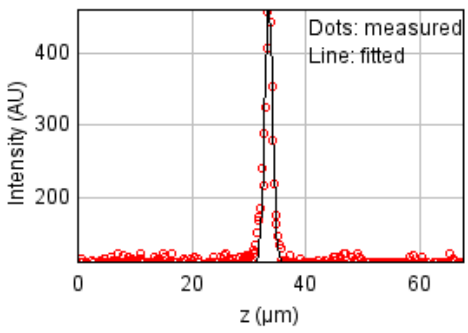




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 329.855 (brightness)
B = 115.208 (background)
a = 0.357 px
b = -0.015 px
c = 0.972 px
xc = 5.204 px
yc = 6.071 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31242.9134
Standard deviation: 10.08803
R^2: 0.95619
Parameters:
a = 110.61008
b = 464.10586
c = 33.54919
d = 0.70316

Bead 1527

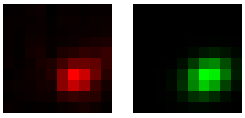
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

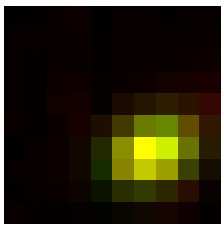
Coordinates : 133 um (x), 39.6 um (y), 33.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	506 nm	523 nm	223 nm
max	674 nm	697 nm	223 nm
z	1.21 um	1.22 um	885 nm
Asymmetry	0.75		
Theta	23.5°		

XY profile & fitting parameters :

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

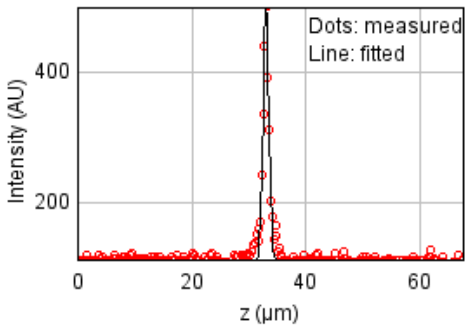




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 398.089 (brightness)
B = 116.983 (background)
a = 0.332 px
b = 0.084 px
c = 0.488 px
xc = 6.348 px
yc = 6.194 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25558.4239
Standard deviation: 9.12426
R^2: 0.96054
Parameters:
a = 111.41911
b = 503.91579
c = 33.07288
d = 0.51518

Bead 1528 (Rejected)

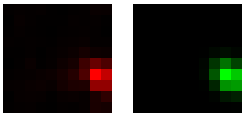
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

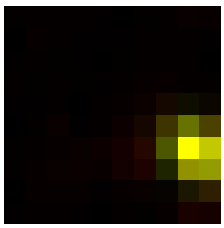
Coordinates : -157 um (x), 1.94 um (y), 31.5 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	416 nm	223 nm
max	507 nm	525 nm	223 nm
z	2.61 um	2.62 um	885 nm
Asymmetry	0.794		
Theta	-43.4°		

XY profile & fitting parameters :

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



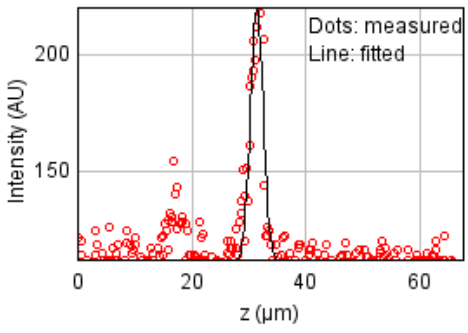


Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 788.024 (brightness)
B = 120.402 (background)
a = 0.666 px
b = -0.153 px
c = 0.683 px

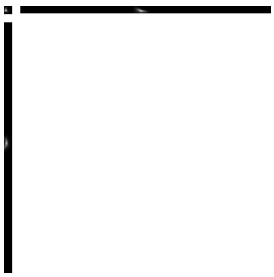
xc = 8.356 px
yc = 6.170 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24726.7251
Standard deviation: 8.97458
R^2: 0.79800
Parameters:
a = 112.28258
b = 220.10773
c = 31.47014
d = 1.10698

Bead 1529 (Rejected)



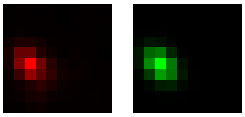
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

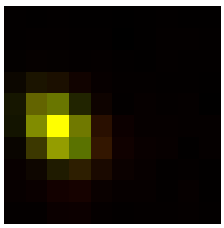
Coordinates : 27.3 um (x), -21.6 um (y), 32.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	406 nm	223 nm
max	555 nm	573 nm	223 nm
z	2.96 um	2.97 um	885 nm
Asymmetry	0.708		
Theta	-47.8°		

XY profile & fitting parameters :

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

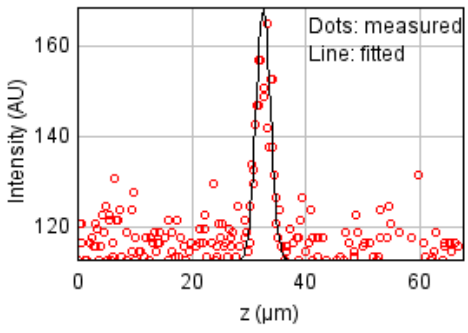




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 1253.641 (brightness)
B = 130.036 (background)
a = 0.674 px
b = -0.216 px
c = 0.633 px
xc = 1.980 px
yc = 5.106 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14744.2303
Standard deviation: 6.93014
R^2: 0.66434
Parameters:
a = 112.87812
b = 168.40778
c = 32.61473
d = 1.25739

Bead 1530

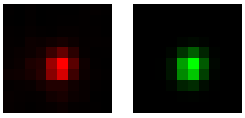
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

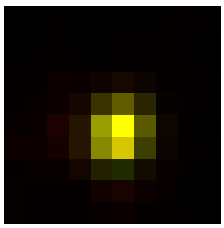
Coordinates : -107 um (x), -25.6 um (y), 34.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	428 nm	223 nm
max	467 nm	483 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.887		
Theta	70.0°		

XY profile & fitting parameters :

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

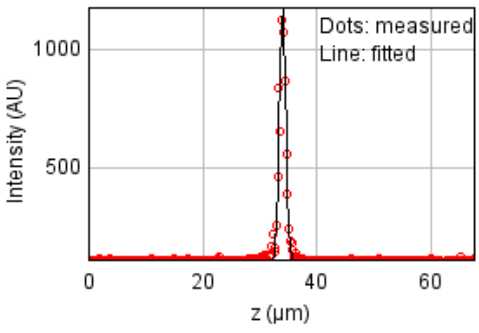




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1264.338 (brightness)
B = 127.833 (background)
a = 0.763 px
b = 0.054 px
c = 0.635 px
xc = 4.792 px
yc = 5.319 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 145209.296
Standard deviation: 21.74844
R^2: 0.97124
Parameters:
a = 114.35990
b = 1174.27724
c = 34.07979
d = 0.55804

Bead 1531

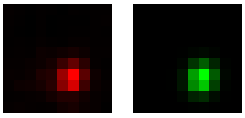
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

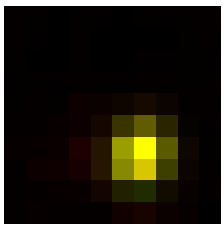
Coordinates : -107 um (x), -25.6 um (y), 34.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	428 nm	223 nm
max	467 nm	482 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.887		
Theta	70.0°		

XY profile & fitting parameters :

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

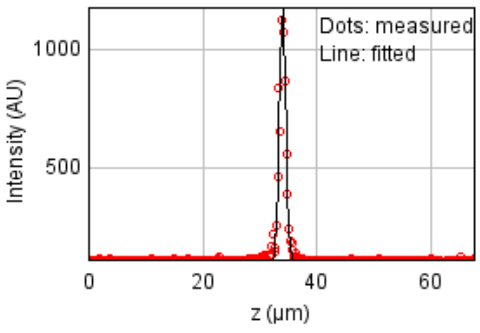




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1264.452 (brightness)
B = 128.236 (background)
a = 0.764 px
b = 0.054 px
c = 0.636 px
xc = 5.792 px
yc = 6.319 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 145209.296
Standard deviation: 21.74844
R^2: 0.97124
Parameters:
a = 114.35990
b = 1174.27724
c = 34.07979
d = 0.55804

Bead 1532

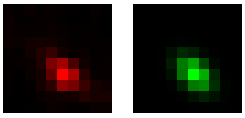
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

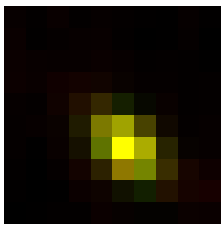
Coordinates : 145 um (x), -65.8 um (y), 33.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	621 nm	642 nm	223 nm
z	1.59 um	1.6 um	885 nm
Asymmetry	0.638		
Theta	-44.8°		

XY profile & fitting parameters :

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

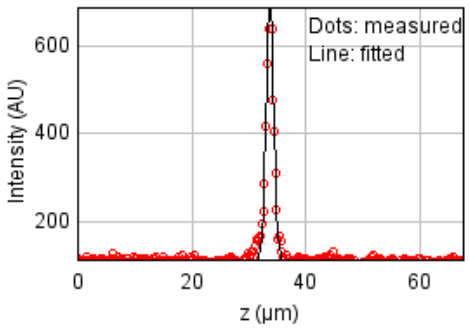




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 679.417 (brightness)
B = 117.285 (background)
a = 0.600 px
b = -0.254 px
c = 0.604 px
xc = 5.139 px
yc = 5.930 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46684.6296
Standard deviation: 12.33155
R^2: 0.97433
Parameters:
a = 111.96184
b = 692.86703
c = 33.77343
d = 0.67562

Bead 1533

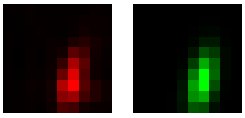
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

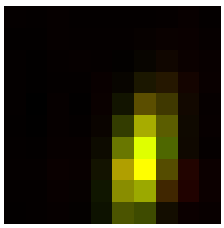
Coordinates : 3.05 um (x), 86.6 um (y), 34.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	406 nm	223 nm
max	890 nm	920 nm	223 nm
z	1.12 um	1.12 um	885 nm
Asymmetry	0.442		
Theta	77.7°		

XY profile & fitting parameters :

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

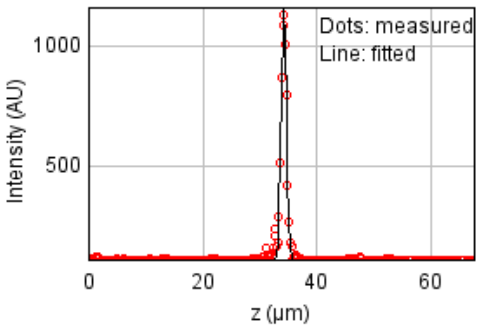




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 1164.910 (brightness)
B = 122.083 (background)
a = 0.836 px
b = 0.146 px
c = 0.201 px
xc = 5.853 px
yc = 6.588 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 60992.3715
Standard deviation: 14.09511
R^2: 0.98520
Parameters:
a = 114.43753
b = 1158.40728
c = 34.28762
d = 0.47426

Bead 1534

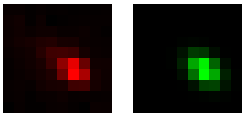
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

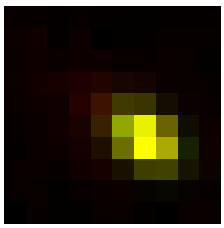
Coordinates : -158 um (x), 78.6 um (y), 34.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	393 nm	223 nm
max	553 nm	572 nm	223 nm
z	1.72 um	1.73 um	885 nm
Asymmetry	0.687		
Theta	-38.2°		

XY profile & fitting parameters :

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

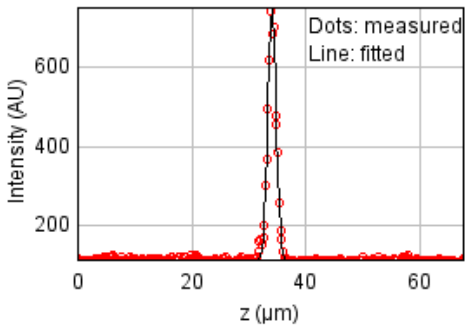




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 829.388 (brightness)
B = 128.085 (background)
a = 0.627 px
b = -0.238 px
c = 0.741 px
xc = 5.996 px
yc = 5.538 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38440.4951
Standard deviation: 11.18988
R^2: 0.98375
Parameters:
a = 111.60221
b = 752.99445
c = 34.14815
d = 0.73024

Bead 1535

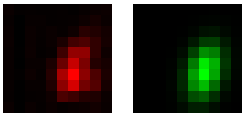
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

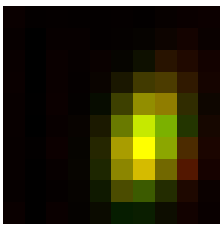
Coordinates : 31.0 um (x), 63.2 um (y), 34.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	527 nm	545 nm	223 nm
max	861 nm	890 nm	223 nm
z	1.37 um	1.38 um	885 nm
Asymmetry	0.612		
Theta	74.7°		

XY profile & fitting parameters :

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

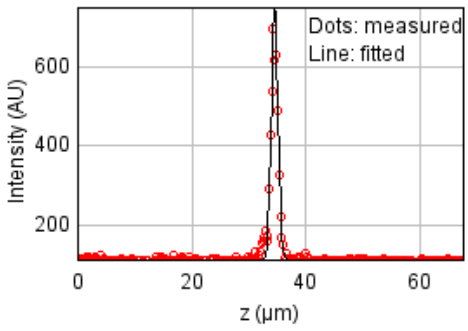




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.937

Parameters:
A = 622.738 (brightness)
B = 117.487 (background)
a = 0.462 px
b = 0.077 px
c = 0.202 px
xc = 6.082 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: 59204.3680
Standard deviation: 13.88698
R^2: 0.96900
Parameters:
a = 113.68391
b = 750.84437
c = 34.60821
d = 0.58369

Bead 1536

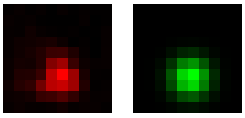
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

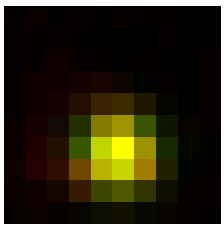
Coordinates : -95.1 um (x), 57.8 um (y), 34.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	601 nm	621 nm	223 nm
max	607 nm	627 nm	223 nm
z	1.57 um	1.58 um	885 nm
Asymmetry	0.991		
Theta	-81.7°		

XY profile & fitting parameters :

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

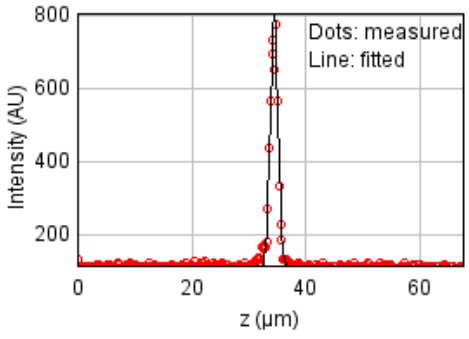




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

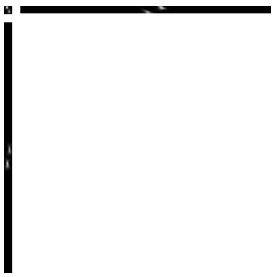
Parameters:
A = 548.740 (brightness)
B = 120.076 (background)
a = 0.371 px
b = -0.001 px
c = 0.365 px
xc = 4.745 px
yc = 6.259 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 87303.4720
Standard deviation: 16.86346
R^2: 0.96614
Parameters:
a = 114.67697
b = 807.04453
c = 34.53513
d = 0.66836

Bead 1537



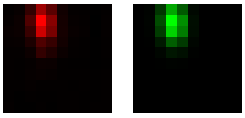
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

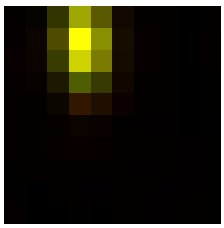
Coordinates : -17.3 um (x), 21.1 um (y), 37.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	400 nm	223 nm
max	660 nm	682 nm	223 nm
z	1.11 um	1.12 um	885 nm
Asymmetry	0.587		
Theta	-87.5°		

XY profile & fitting parameters :

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

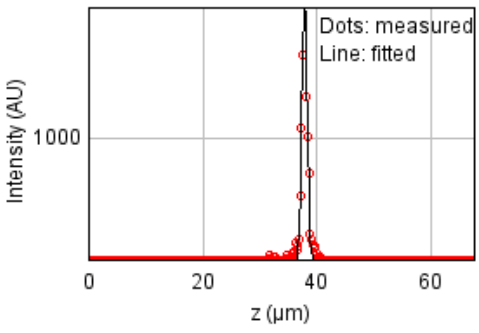




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

Parameters:
A = 1898.054 (brightness)
B = 129.043 (background)
a = 0.894 px
b = -0.026 px
c = 0.309 px
xc = 3.181 px
yc = 1.205 px

Z profile & fitting parameters:



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

Bead 1538

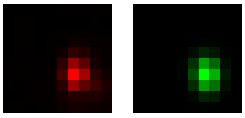
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

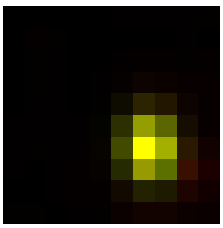
Coordinates : 26.7 um (x), 3.96 um (y), 34.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	421 nm	223 nm
max	521 nm	539 nm	223 nm
z	1.34 um	1.35 um	885 nm
Asymmetry	0.782		
Theta	-84.8°		

XY profile & fitting parameters :

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

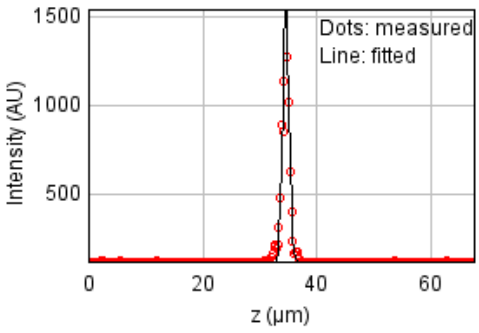




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

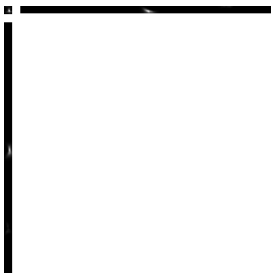
Parameters:
A = 1564.854 (brightness)
B = 130.599 (background)
a = 0.805 px
b = -0.028 px
c = 0.497 px
xc = 6.267 px
yc = 6.003 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 200798.387
Standard deviation: 25.57472
R^2: 0.97881
Parameters:
a = 114.82171
b = 1558.76202
c = 34.64434
d = 0.56923

Bead 1539



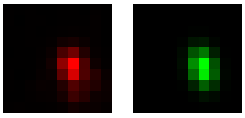
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

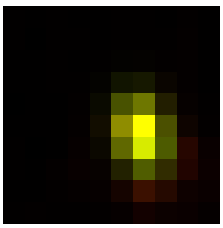
Coordinates : 1.73 um (x), -41.4 um (y), 34.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	580 nm	600 nm	223 nm
z	1.22 um	1.22 um	885 nm
Asymmetry	0.664		
Theta	-77.3°		

XY profile & fitting parameters :

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

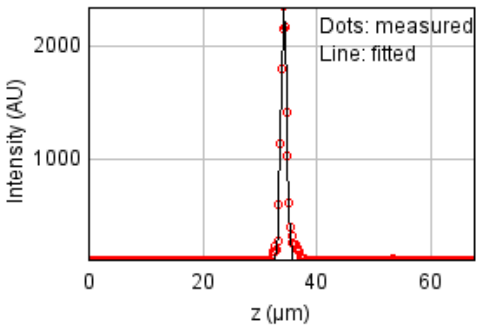




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

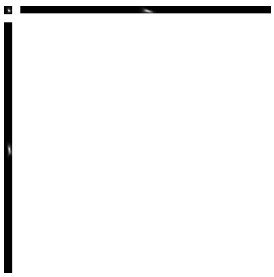
Parameters:
A = 2256.090 (brightness)
B = 139.748 (background)
a = 0.881 px
b = -0.108 px
c = 0.423 px
xc = 5.883 px
yc = 5.370 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 220463.490
Standard deviation: 26.79780
R^2: 0.98898
Parameters:
a = 119.11926
b = 2330.17074
c = 34.29460
d = 0.51616

Bead 1540



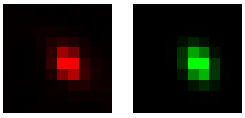
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

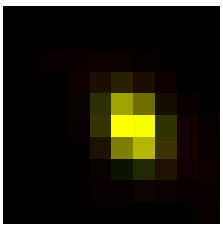
Coordinates : 102 um (x), -62.7 um (y), 34.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	532 nm	550 nm	223 nm
z	1.22 um	1.23 um	885 nm
Asymmetry	0.723		
Theta	-60.3°		

XY profile & fitting parameters :

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

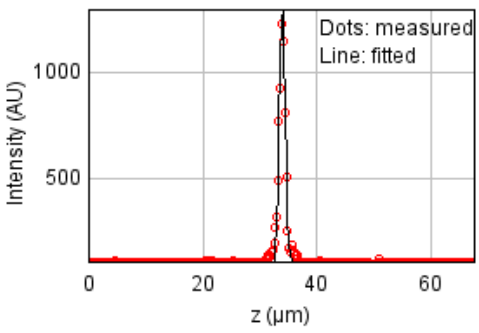




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

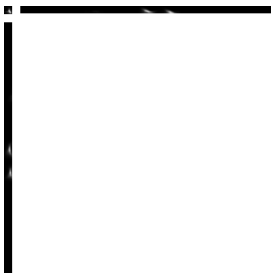
Parameters:
A = 1512.959 (brightness)
B = 128.956 (background)
a = 0.801 px
b = -0.186 px
c = 0.581 px
xc = 5.506 px
yc = 5.049 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 86865.4111
Standard deviation: 16.82109
R^2: 0.98509
Parameters:
a = 114.36032
b = 1302.87691
c = 34.02073
d = 0.51818

Bead 1541



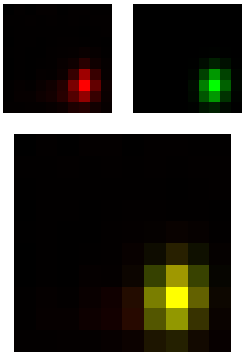
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

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

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	515 nm	533 nm	223 nm
z	1.25 um	1.25 um	885 nm
Asymmetry	0.768		
Theta	78.3°		

XY profile & fitting parameters :

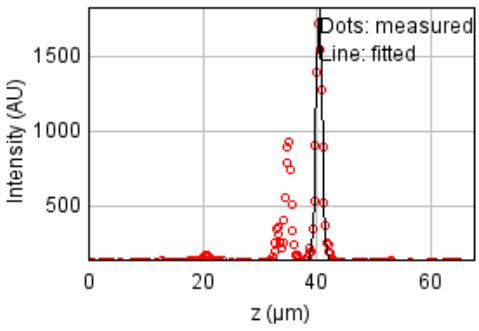
(red : the orignal data, green : the fit, yellow : the two merged)



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

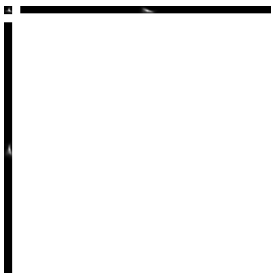
Parameters:
A = 1762.698 (brightness)
B = 131.099 (background)
a = 0.842 px
b = 0.070 px
c = 0.520 px
xc = 6.922 px
yc = 7.010 px

Z profile & fitting parameters:



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

Bead 1542



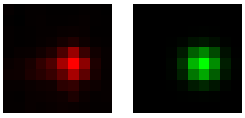
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

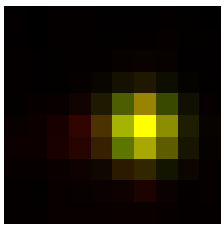
Coordinates : -67.8 um (x), -84.9 um (y), 34.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	499 nm	516 nm	223 nm
max	533 nm	551 nm	223 nm
z	1.51 um	1.52 um	885 nm
Asymmetry	0.935		
Theta	-2.8°		

XY profile & fitting parameters :

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

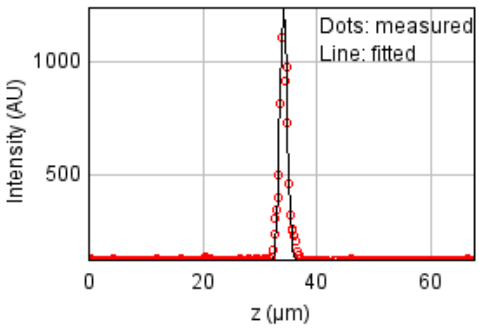




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 1165.061 (brightness)
B = 134.471 (background)
a = 0.472 px
b = -0.003 px
c = 0.539 px
xc = 5.871 px
yc = 5.109 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 159724.075
Standard deviation: 22.80951
R^2: 0.97588
Parameters:
a = 115.51928
b = 1252.11640
c = 34.24414
d = 0.64262

Bead 1543

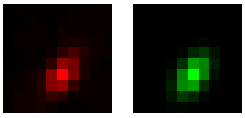
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

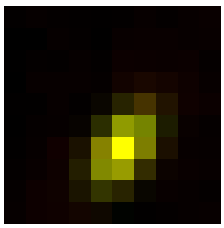
Coordinates : -153 um (x), -89.8 um (y), 33.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	664 nm	686 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.586		
Theta	54.8°		

XY profile & fitting parameters :

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

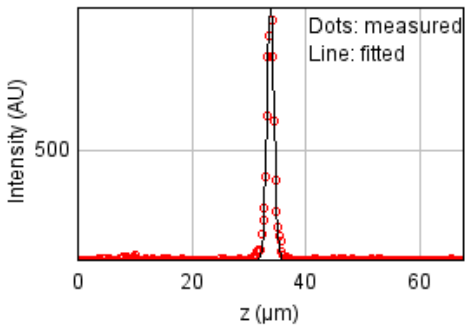




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

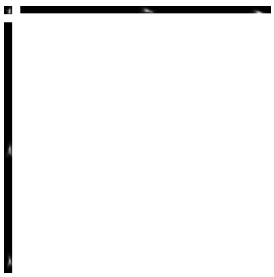
Parameters:
A = 866.924 (brightness)
B = 122.539 (background)
a = 0.693 px
b = 0.274 px
c = 0.498 px
xc = 4.984 px
yc = 6.010 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34582.3612
Standard deviation: 10.61349
R^2: 0.99109
Parameters:
a = 112.85117
b = 998.54007
c = 33.87664
d = 0.62934

Bead 1544



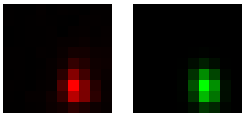
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

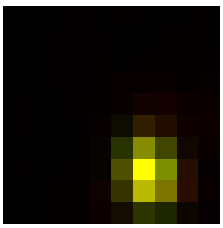
Coordinates : -131 um (x), -92.4 um (y), 64.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	542 nm	560 nm	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.72		
Theta	-82.0°		

XY profile & fitting parameters :

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

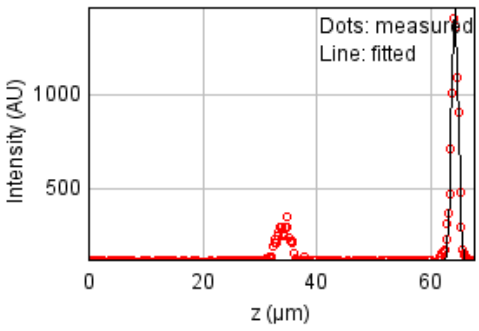




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

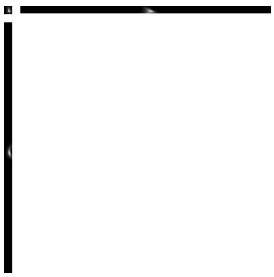
Parameters:
A = 1366.847 (brightness)
B = 125.124 (background)
a = 0.875 px
b = -0.059 px
c = 0.466 px
xc = 6.179 px
yc = 7.173 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 454053.886
Standard deviation: 38.45781
R^2: 0.94520
Parameters:
a = 122.89547
b = 1456.11216
c = 64.25875
d = 0.56346

Bead 1545



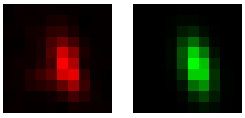
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

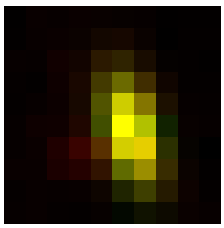
Coordinates : -65.5 um (x), 92.8 um (y), 34.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	434 nm	223 nm
max	857 nm	886 nm	223 nm
z	1.09 um	1.09 um	885 nm
Asymmetry	0.489		
Theta	-75.5°		

XY profile & fitting parameters :

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

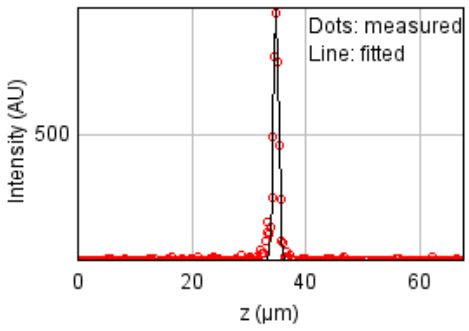




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 816.882 (brightness)
B = 129.028 (background)
a = 0.726 px
b = -0.141 px
c = 0.219 px
xc = 5.353 px
yc = 5.233 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46366.0691
Standard deviation: 12.28941
R^2: 0.98033
Parameters:
a = 115.48398
b = 912.97522
c = 34.85957
d = 0.46211

Bead 1546

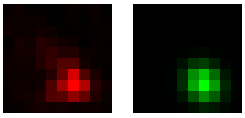
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

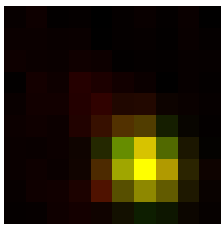
Coordinates : -121 um (x), 85.0 um (y), 34.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	511 nm	528 nm	223 nm
max	576 nm	596 nm	223 nm
z	1.71 um	1.72 um	885 nm
Asymmetry	0.886		
Theta	-50.4°		

XY profile & fitting parameters :

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

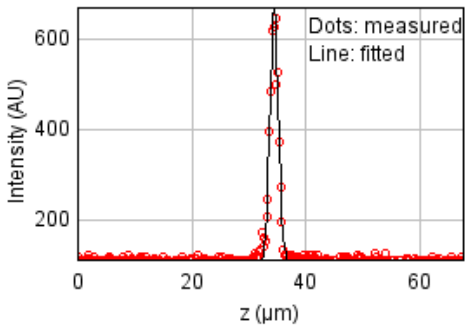




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.919

Parameters:
A = 503.553 (brightness)
B = 124.623 (background)
a = 0.470 px
b = -0.054 px
c = 0.449 px
xc = 5.935 px
yc = 6.791 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 58091.7378
Standard deviation: 13.75587
R^2: 0.96758
Parameters:
a = 112.31776
b = 667.54574
c = 34.52484
d = 0.72558

Bead 1547

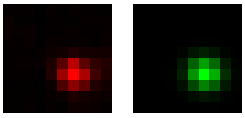
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

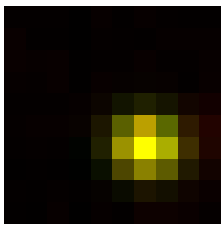
Coordinates : 136 um (x), 21.4 um (y), 34.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	480 nm	497 nm	223 nm
max	535 nm	553 nm	223 nm
z	1.53 um	1.54 um	885 nm
Asymmetry	0.898		
Theta	-11.6°		

XY profile & fitting parameters :

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

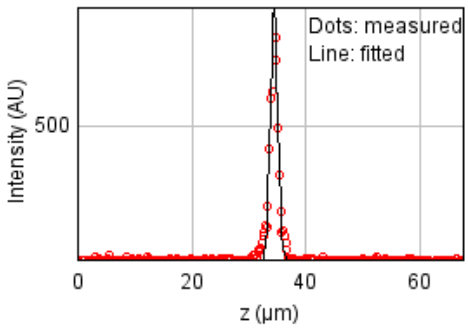




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 816.240 (brightness)
B = 116.879 (background)
a = 0.473 px
b = -0.022 px
c = 0.577 px
xc = 6.087 px
yc = 5.908 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 77065.3708
Standard deviation: 15.84384
R^2: 0.97260
Parameters:
a = 112.03753
b = 846.49688
c = 34.51064
d = 0.65168

Bead 1548

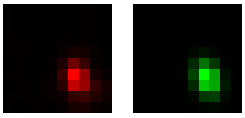
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

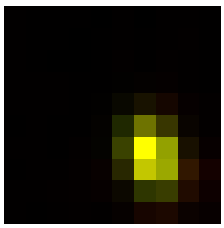
Coordinates : 8.43 um (x), 8.5 um (y), 34.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	387 nm	223 nm
max	531 nm	549 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.705		
Theta	-71.4°		

XY profile & fitting parameters :

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

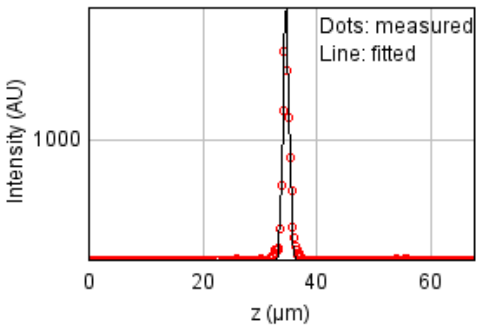




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 2107.140 (brightness)
B = 127.884 (background)
a = 0.909 px
b = -0.145 px
c = 0.525 px
xc = 6.300 px
yc = 6.345 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 188443.903
Standard deviation: 24.77547
R^2: 0.98744
Parameters:
a = 115.82695
b = 1991.47817
c = 34.66958
d = 0.53767

Bead 1549

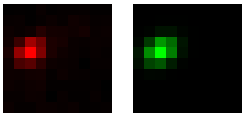
Date : Mon Oct 17 13:29:04 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

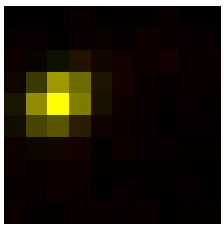
Coordinates : -146 um (x), 1.36 um (y), 24.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	378 nm	391 nm	223 nm
max	501 nm	517 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.756		
Theta	33.3°		

XY profile & fitting parameters :

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

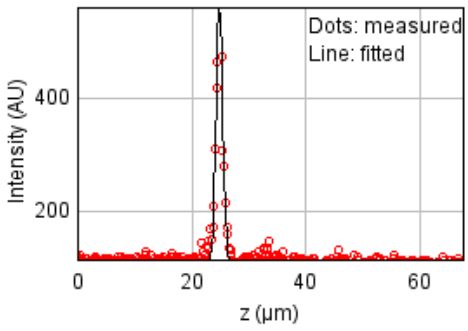




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 479.522 (brightness)
B = 116.115 (background)
a = 0.657 px
b = 0.185 px
c = 0.817 px
xc = 2.008 px
yc = 3.819 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34835.4068
Standard deviation: 10.65225
R^2: 0.96220
Parameters:
a = 114.07544
b = 561.48055
c = 24.92693
d = 0.56669

Bead 1550 (Rejected)

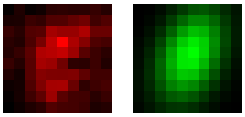
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

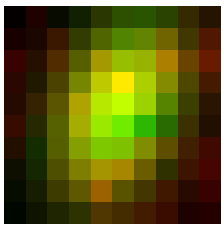
Coordinates : 111 um (x), -10.1 um (y), 32.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	951 nm	983 nm	223 nm
max	1.52 um	1.57 um	223 nm
z	1.31 um	1.31 um	885 nm
Asymmetry	0.627		
Theta	68.4°		

XY profile & fitting parameters :

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

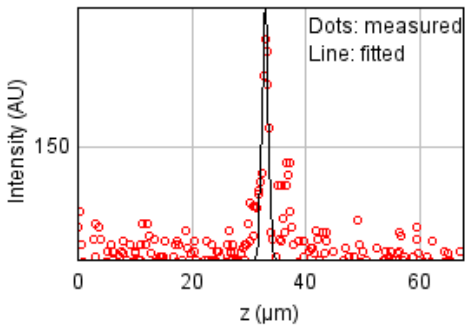




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.721

Parameters:
A = 105.000 (brightness)
B = 123.460 (background)
a = 0.136 px
b = 0.031 px
c = 0.070 px
xc = 4.777 px
yc = 4.126 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19483.2660
Standard deviation: 7.96639
R^2: 0.61400
Parameters:
a = 112.62865
b = 197.10195
c = 32.92808
d = 0.55521

Bead 1551 (Rejected)

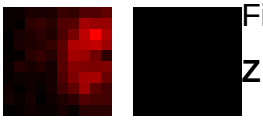
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 110 um (x), -10.8 um (y), 32.9 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	1.31 um	1.31 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

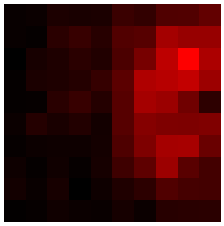
XY profile & fitting parameters :

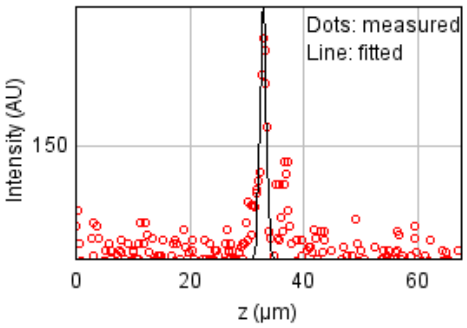
(red : the orignal data, green : the fit, yellow : the two merged)



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

Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19483.2660
Standard deviation: 7.96639
R^2: 0.61400
Parameters:
a = 112.62865
b = 197.10195
c = 32.92808
d = 0.55521

Bead 1552

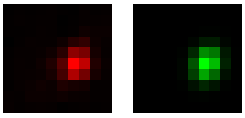
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

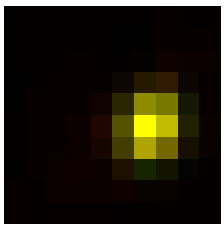
Coordinates : -121 um (x), -61.8 um (y), 34.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	438 nm	223 nm
max	519 nm	537 nm	223 nm
z	1.21 um	1.21 um	885 nm
Asymmetry	0.816		
Theta	70.3°		

XY profile & fitting parameters :

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

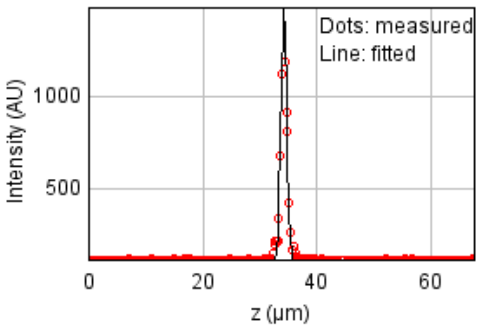




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1504.282 (brightness)
B = 132.211 (background)
a = 0.720 px
b = 0.080 px
c = 0.527 px
xc = 6.280 px
yc = 5.039 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 209286.197
Standard deviation: 26.10965
R^2: 0.97274
Parameters:
a = 113.44241
b = 1477.38115
c = 34.29384
d = 0.51207

Bead 1553

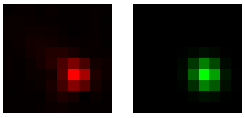
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

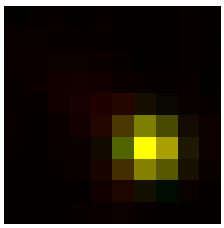
Coordinates : -157 um (x), 88.7 um (y), 35.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	437 nm	223 nm
max	454 nm	469 nm	223 nm
z	1.47 um	1.48 um	885 nm
Asymmetry	0.932		
Theta	-46.8°		

XY profile & fitting parameters :

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

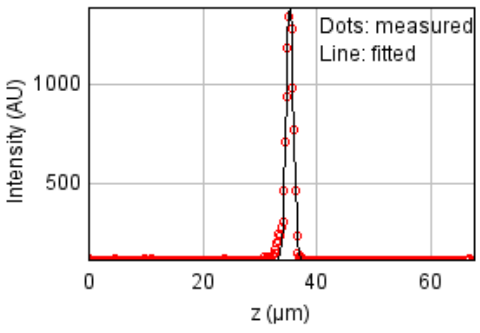




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 1302.383 (brightness)
B = 132.024 (background)
a = 0.704 px
b = -0.050 px
c = 0.698 px
xc = 6.168 px
yc = 6.016 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 85239.6454
Standard deviation: 16.66294
R^2: 0.98959
Parameters:
a = 112.31076
b = 1401.90106
c = 35.32278
d = 0.62541

Bead 1554

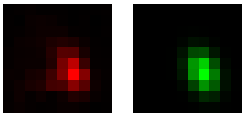
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

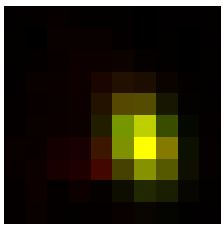
Coordinates : -73.1 um (x), 79.3 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	452 nm	223 nm
max	631 nm	652 nm	223 nm
z	1.57 um	1.57 um	885 nm
Asymmetry	0.693		
Theta	-68.7°		

XY profile & fitting parameters :

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

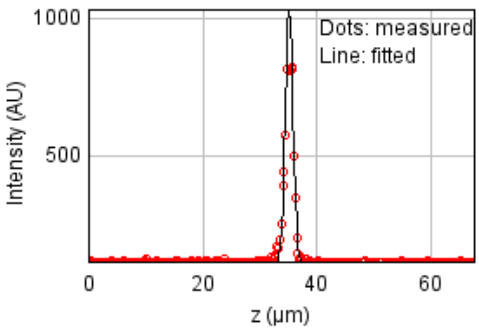




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.945

Parameters:
A = 959.185 (brightness)
B = 132.706 (background)
a = 0.654 px
b = -0.123 px
c = 0.385 px
xc = 5.885 px
yc = 5.739 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 103091.350
Standard deviation: 18.32491
R^2: 0.97694
Parameters:
a = 113.45542
b = 1031.75071
c = 35.21552
d = 0.66614

Bead 1555

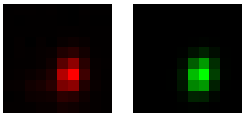
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

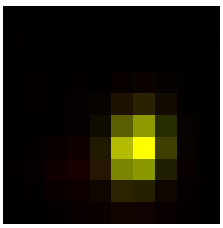
Coordinates : -41.9 um (x), 16.5 um (y), 35.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	522 nm	539 nm	223 nm
z	1.36 um	1.36 um	885 nm
Asymmetry	0.749		
Theta	75.9°		

XY profile & fitting parameters :

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

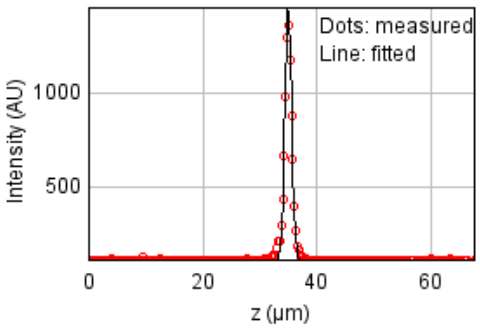




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1510.215 (brightness)
B = 128.187 (background)
a = 0.855 px
b = 0.091 px
c = 0.516 px
xc = 5.673 px
yc = 6.052 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 75556.2370
Standard deviation: 15.68794
R^2: 0.99078
Parameters:
a = 114.82750
b = 1456.92594
c = 35.05324
d = 0.57699

Bead 1556

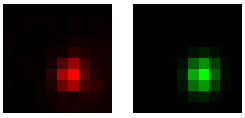
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

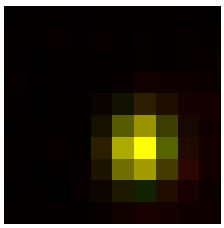
Coordinates : 59.1 um (x), 6.15 um (y), 35.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	461 nm	223 nm
max	509 nm	526 nm	223 nm
z	1.51 um	1.52 um	885 nm
Asymmetry	0.876		
Theta	79.4°		

XY profile & fitting parameters :

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

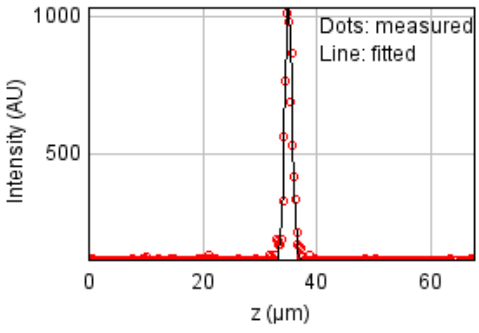




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 1024.786 (brightness)
B = 130.584 (background)
a = 0.671 px
b = 0.028 px
c = 0.524 px
xc = 5.804 px
yc = 6.039 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 133313.191
Standard deviation: 20.83854
R^2: 0.97005
Parameters:
a = 114.00814
b = 1043.35423
c = 35.07956
d = 0.64214

Bead 1557

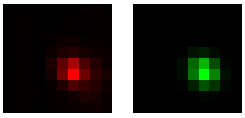
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

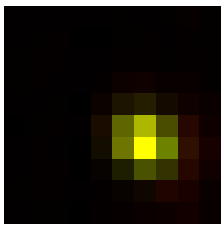
Coordinates : 60.9 um (x), -12.5 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	414 nm	223 nm
max	461 nm	476 nm	223 nm
z	1.47 um	1.48 um	885 nm
Asymmetry	0.869		
Theta	-42.6°		

XY profile & fitting parameters :

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

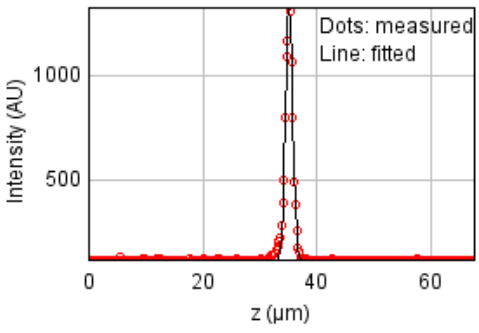




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 1210.709 (brightness)
B = 128.832 (background)
a = 0.727 px
b = -0.103 px
c = 0.744 px
xc = 6.001 px
yc = 5.727 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51682.1469
Standard deviation: 12.97481
R^2: 0.99282
Parameters:
a = 114.83770
b = 1325.72914
c = 35.20136
d = 0.62566

Bead 1558

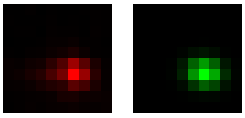
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

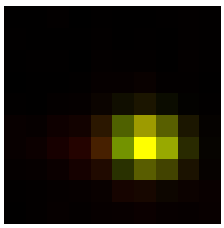
Coordinates : -84.7 um (x), -71.9 um (y), 35.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	435 nm	223 nm
max	530 nm	547 nm	223 nm
z	1.44 um	1.44 um	885 nm
Asymmetry	0.794		
Theta	-8.5°		

XY profile & fitting parameters :

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

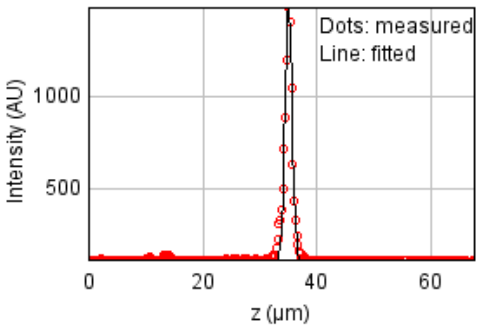




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

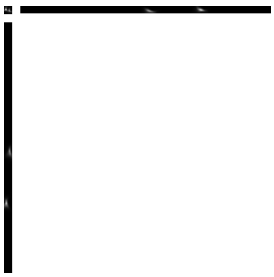
Parameters:
A = 1367.737 (brightness)
B = 133.964 (background)
a = 0.485 px
b = -0.041 px
c = 0.753 px
xc = 6.057 px
yc = 5.834 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 161137.358
Standard deviation: 22.91020
R^2: 0.98234
Parameters:
a = 117.48536
b = 1490.10981
c = 35.10683
d = 0.60990

Bead 1559



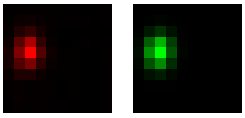
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

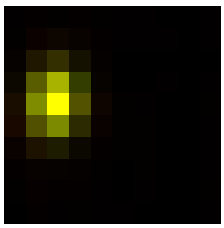
Coordinates : -61.0 um (x), -79.8 um (y), 48.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	405 nm	223 nm
max	526 nm	544 nm	223 nm
z	1.14 um	1.15 um	885 nm
Asymmetry	0.744		
Theta	85.9°		

XY profile & fitting parameters :

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

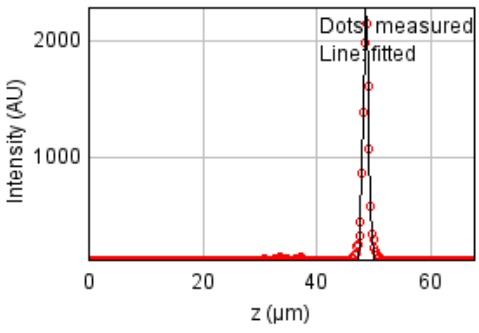




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.991

Parameters:
A = 2200.210 (brightness)
B = 126.637 (background)
a = 0.873 px
b = 0.028 px
c = 0.486 px
xc = 1.851 px
yc = 3.875 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 106263.743
Standard deviation: 18.60473
R^2: 0.99414
Parameters:
a = 117.14115
b = 2291.12732
c = 48.66218
d = 0.48585

Bead 1560

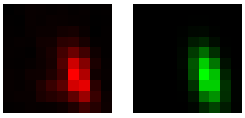
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

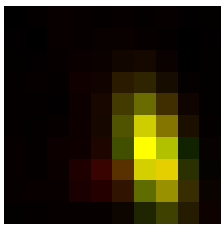
Coordinates : -65.5 um (x), 92.8 um (y), 34.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	433 nm	223 nm
max	865 nm	894 nm	223 nm
z	1.09 um	1.09 um	885 nm
Asymmetry	0.485		
Theta	-75.6°		

XY profile & fitting parameters :

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

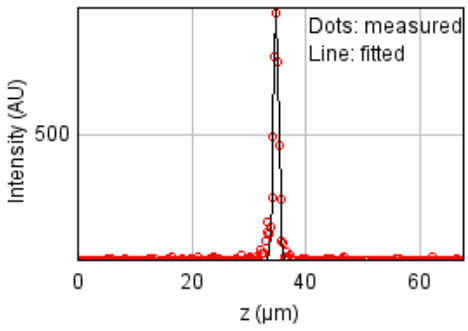




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 812.684 (brightness)
B = 129.833 (background)
a = 0.728 px
b = -0.140 px
c = 0.215 px
xc = 6.355 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: 46366.0691
Standard deviation: 12.28941
R^2: 0.98033
Parameters:
a = 115.48398
b = 912.97522
c = 34.85957
d = 0.46211

Bead 1561

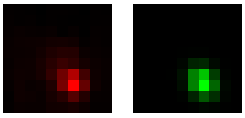
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

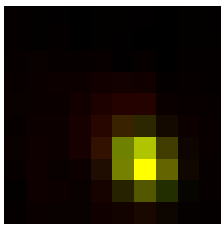
Coordinates : -154 um (x), 46.7 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	478 nm	494 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.816		
Theta	-58.6°		

XY profile & fitting parameters :

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

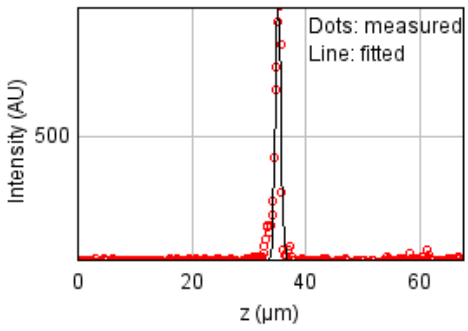




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 1058.520 (brightness)
B = 139.943 (background)
a = 0.804 px
b = -0.132 px
c = 0.669 px
xc = 5.872 px
yc = 6.675 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 142513.014
Standard deviation: 21.54557
R^2: 0.94291
Parameters:
a = 113.55318
b = 898.33892
c = 35.20644
d = 0.48678

Bead 1562

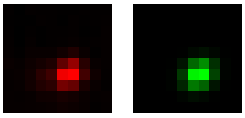
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

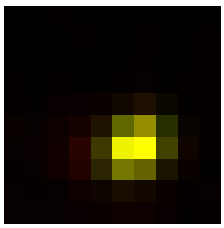
Coordinates : -111 um (x), -17.6 um (y), 35.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	405 nm	223 nm
max	469 nm	485 nm	223 nm
z	1.52 um	1.52 um	885 nm
Asymmetry	0.836		
Theta	37.1°		

XY profile & fitting parameters :

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

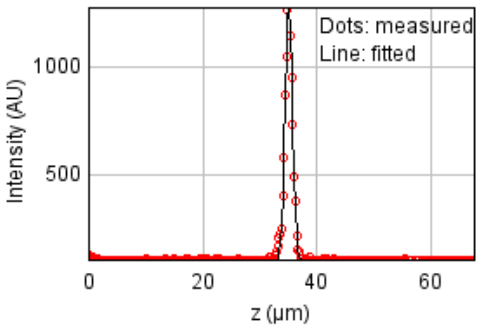




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

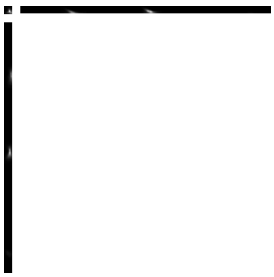
Parameters:
A = 1360.406 (brightness)
B = 127.791 (background)
a = 0.705 px
b = 0.127 px
c = 0.777 px
xc = 5.543 px
yc = 5.956 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37923.5341
Standard deviation: 11.11438
R^2: 0.99439
Parameters:
a = 113.73585
b = 1272.39923
c = 35.14558
d = 0.64366

Bead 1563



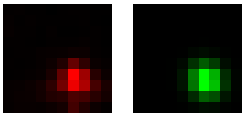
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

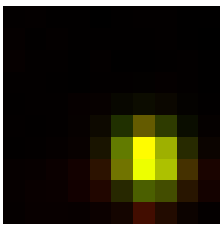
Coordinates : -13.6 um (x), -45.0 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	489 nm	505 nm	223 nm
max	529 nm	547 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.924		
Theta	-57.1°		

XY profile & fitting parameters :

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

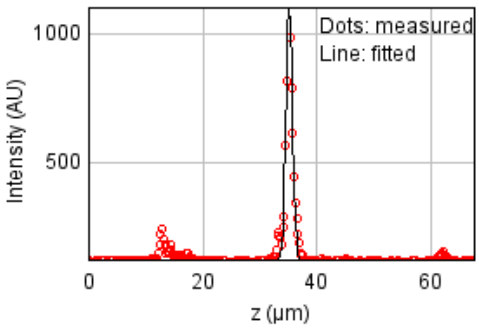




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 1155.930 (brightness)
B = 126.107 (background)
a = 0.538 px
b = -0.037 px
c = 0.504 px
xc = 6.204 px
yc = 6.528 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 174928.967
Standard deviation: 23.87051
R^2: 0.96054
Parameters:
a = 121.19066
b = 1102.91754
c = 35.21891
d = 0.56504

Bead 1564

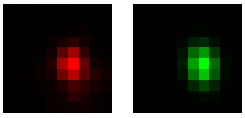
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

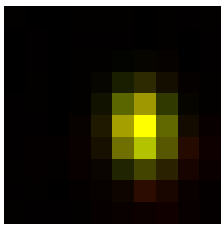
Coordinates : 5.91 um (x), -45.4 um (y), 34.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	441 nm	455 nm	223 nm
max	587 nm	606 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.751		
Theta	-82.0°		

XY profile & fitting parameters :

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

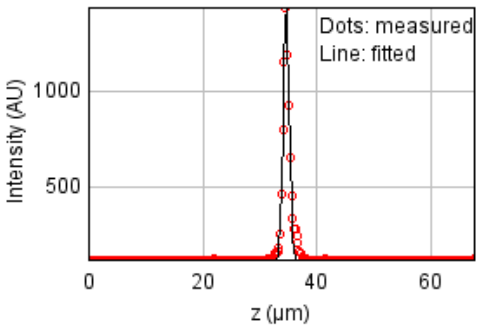




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

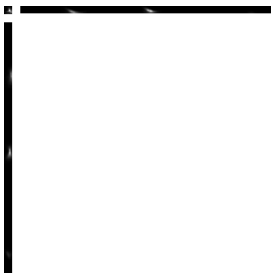
Parameters:
A = 1363.965 (brightness)
B = 126.911 (background)
a = 0.686 px
b = -0.042 px
c = 0.396 px
xc = 5.855 px
yc = 5.145 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 118705.270
Standard deviation: 19.66373
R^2: 0.98433
Parameters:
a = 115.94355
b = 1445.62411
c = 34.70847
d = 0.53857

Bead 1565



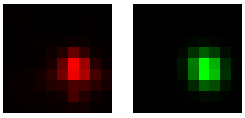
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

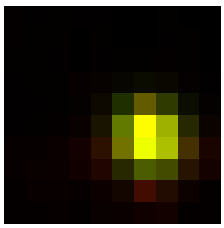
Coordinates : -13.6 um (x), -45.0 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	485 nm	501 nm	223 nm
max	525 nm	543 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.923		
Theta	-57.8°		

XY profile & fitting parameters :

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

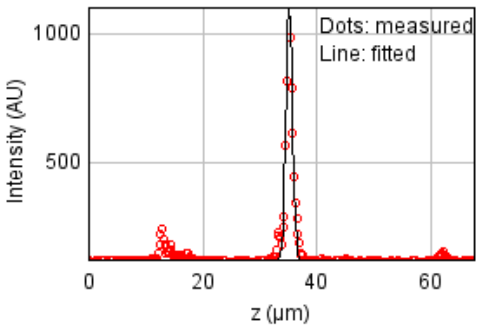




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

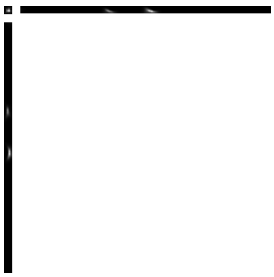
Parameters:
A = 1156.719 (brightness)
B = 129.741 (background)
a = 0.547 px
b = -0.038 px
c = 0.510 px
xc = 6.204 px
yc = 5.527 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 174928.967
Standard deviation: 23.87051
R^2: 0.96054
Parameters:
a = 121.19066
b = 1102.91754
c = 35.21891
d = 0.56504

Bead 1566 (Rejected)



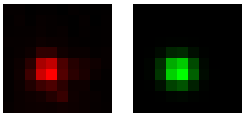
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

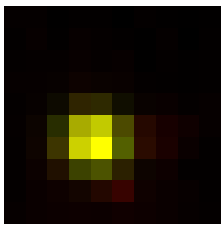
Coordinates : 54.5 um (x), -58.7 um (y), 24.0 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	443 nm	458 nm	223 nm
max	479 nm	495 nm	223 nm
z	1.41 um	1.41 um	885 nm
Asymmetry	0.924		
Theta	-9.9°		

XY profile & fitting parameters :

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

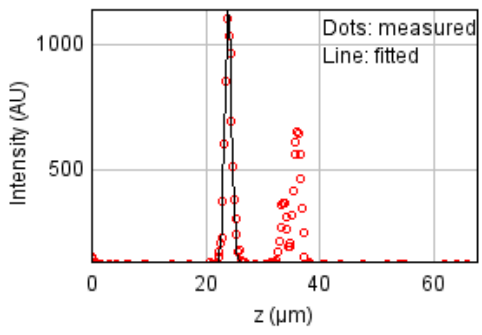




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

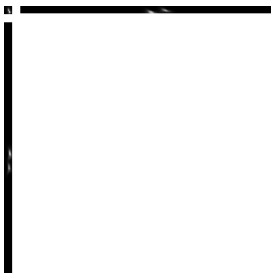
Parameters:
A = 1143.271 (brightness)
B = 134.309 (background)
a = 0.587 px
b = -0.017 px
c = 0.681 px
xc = 3.660 px
yc = 5.667 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 1860611.57
Standard deviation: 77.85001
R^2: 0.71766
Parameters:
a = 134.34485
b = 1141.92740
c = 24.03755
d = 0.59684

Bead 1567



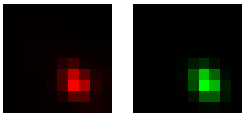
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

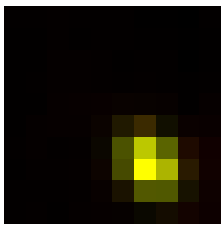
Coordinates : 90.7 um (x), -61.8 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	499 nm	516 nm	223 nm
z	1.27 um	1.28 um	885 nm
Asymmetry	0.77		
Theta	-56.1°		

XY profile & fitting parameters :

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

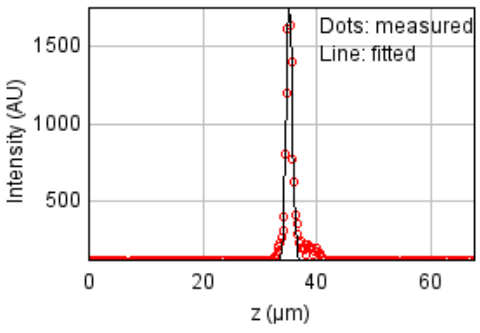




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1757.280 (brightness)
B = 128.372 (background)
a = 0.795 px
b = -0.172 px
c = 0.655 px
xc = 6.225 px
yc = 6.745 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 268117.548
Standard deviation: 29.55245
R^2: 0.97671
Parameters:
a = 120.27541
b = 1751.25021
c = 35.23660
d = 0.53981

Bead 1568

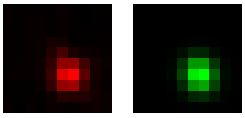
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

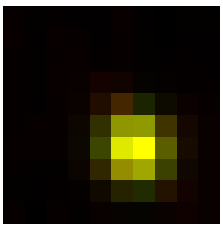
Coordinates : 109 um (x), -76.1 um (y), 34.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	486 nm	502 nm	223 nm
max	543 nm	562 nm	223 nm
z	1.51 um	1.52 um	885 nm
Asymmetry	0.894		
Theta	-70.7°		

XY profile & fitting parameters :

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

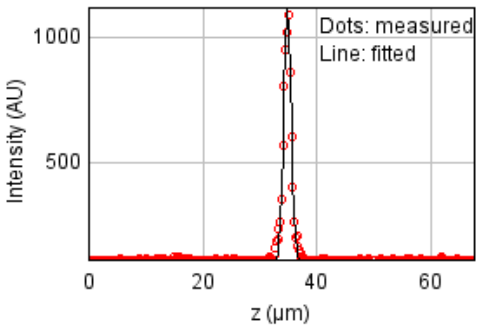




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

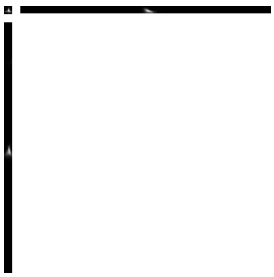
Parameters:
A = 1078.690 (brightness)
B = 122.480 (background)
a = 0.556 px
b = -0.036 px
c = 0.467 px
xc = 5.586 px
yc = 6.012 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50664.7264
Standard deviation: 12.84647
R^2: 0.99013
Parameters:
a = 113.82824
b = 1121.80751
c = 34.90698
d = 0.64259

Bead 1569



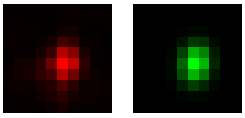
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

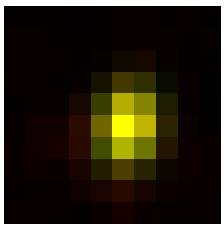
Coordinates : -41.1 um (x), -95.0 um (y), 34.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	456 nm	471 nm	223 nm
max	605 nm	626 nm	223 nm
z	1.25 um	1.25 um	885 nm
Asymmetry	0.753		
Theta	81.5°		

XY profile & fitting parameters :

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

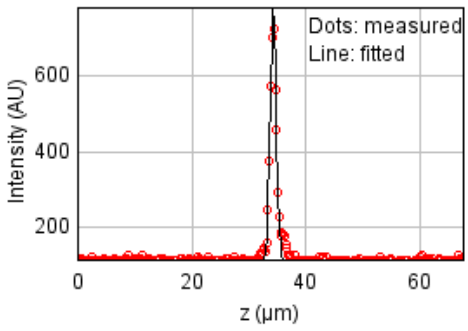




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

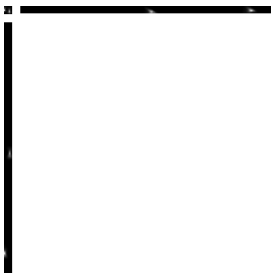
Parameters:
A = 717.408 (brightness)
B = 123.513 (background)
a = 0.640 px
b = 0.041 px
c = 0.372 px
xc = 5.226 px
yc = 5.000 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36482.0882
Standard deviation: 10.90111
R^2: 0.98061
Parameters:
a = 114.77620
b = 780.97522
c = 34.35496
d = 0.53078

Bead 1570 (Rejected)



Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -25.7 um (x), 79.0 um (y), 62.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

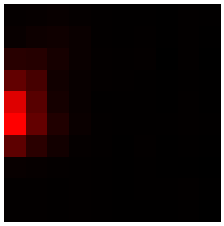
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

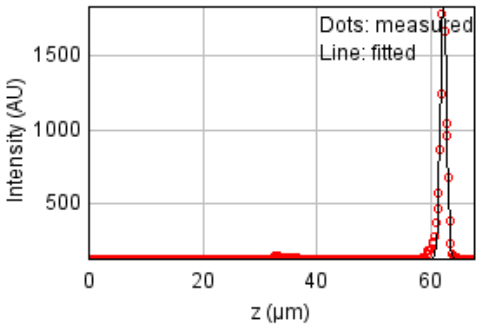
XY profile & fitting parameters :

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

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

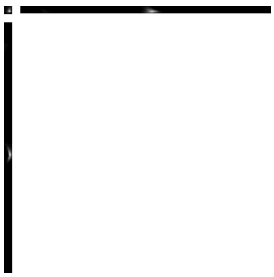
Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 386606.383
Standard deviation: 35.48668
R^2: 0.97050
Parameters:
a = 116.54481
b = 1838.08090
c = 62.24439
d = 0.54832

Bead 1571



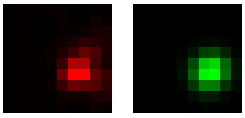
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

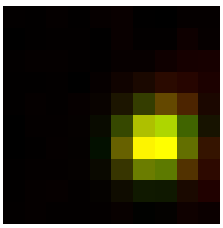
Coordinates : 58.4 um (x), 61.2 um (y), 35.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	528 nm	546 nm	223 nm
max	569 nm	588 nm	223 nm
z	1.81 um	1.82 um	885 nm
Asymmetry	0.928		
Theta	36.7°		

XY profile & fitting parameters :

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

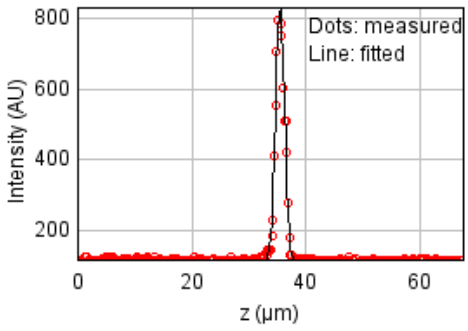




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.936

Parameters:
A = 672.573 (brightness)
B = 121.071 (background)
a = 0.438 px
b = 0.032 px
c = 0.457 px
xc = 6.572 px
yc = 5.724 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 57258.9535
Standard deviation: 13.65691
R^2: 0.98190
Parameters:
a = 113.50769
b = 836.27101
c = 35.55368
d = 0.76887

Bead 1572

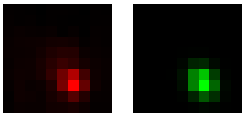
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

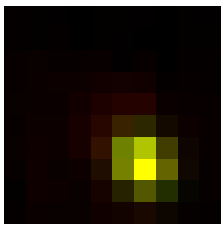
Coordinates : -154 um (x), 46.7 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	478 nm	494 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.816		
Theta	-58.6°		

XY profile & fitting parameters :

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

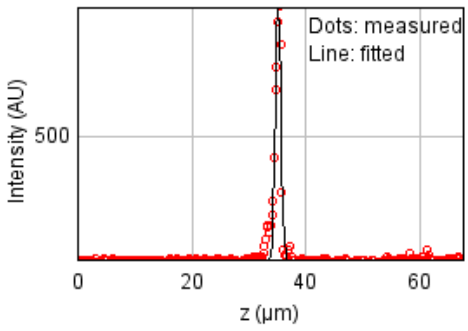




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 1058.520 (brightness)
B = 139.943 (background)
a = 0.804 px
b = -0.132 px
c = 0.669 px
xc = 5.872 px
yc = 6.675 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 142513.014
Standard deviation: 21.54557
R^2: 0.94291
Parameters:
a = 113.55318
b = 898.33892
c = 35.20644
d = 0.48678

Bead 1573

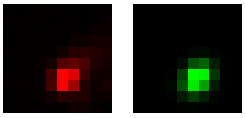
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

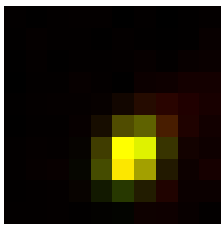
Coordinates : 108 um (x), 34.2 um (y), 35.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	408 nm	223 nm
max	501 nm	518 nm	223 nm
z	1.58 um	1.58 um	885 nm
Asymmetry	0.788		
Theta	52.2°		

XY profile & fitting parameters :

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

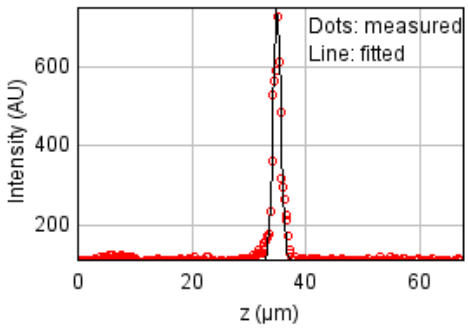




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 987.717 (brightness)
B = 125.526 (background)
a = 0.740 px
b = 0.158 px
c = 0.658 px
xc = 5.393 px
yc = 6.330 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 94828.6941
Standard deviation: 17.57522
R^2: 0.95669
Parameters:
a = 113.20656
b = 747.22217
c = 35.01194
d = 0.67033

Bead 1574

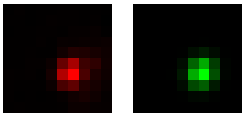
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

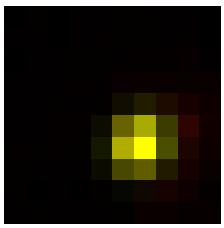
Coordinates : 104 um (x), 1.8 um (y), 35.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	417 nm	223 nm
max	448 nm	463 nm	223 nm
z	1.4 um	1.4 um	885 nm
Asymmetry	0.899		
Theta	59.6°		

XY profile & fitting parameters :

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

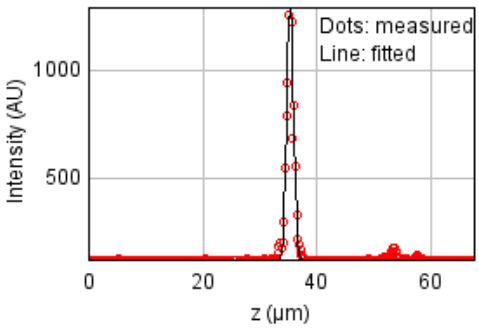




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 1399.269 (brightness)
B = 123.535 (background)
a = 0.786 px
b = 0.069 px
c = 0.709 px
xc = 5.770 px
yc = 5.812 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 181579.381
Standard deviation: 24.32003
R^2: 0.97281
Parameters:
a = 114.83284
b = 1298.25647
c = 35.39553
d = 0.59416

Bead 1575

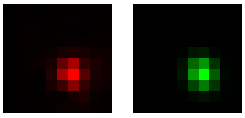
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

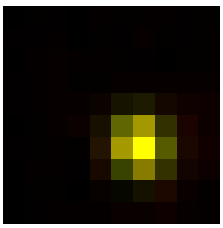
Coordinates : 116 um (x), -858 nm (y), 34.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	427 nm	223 nm
max	472 nm	488 nm	223 nm
z	1.45 um	1.46 um	885 nm
Asymmetry	0.875		
Theta	-70.7°		

XY profile & fitting parameters :

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

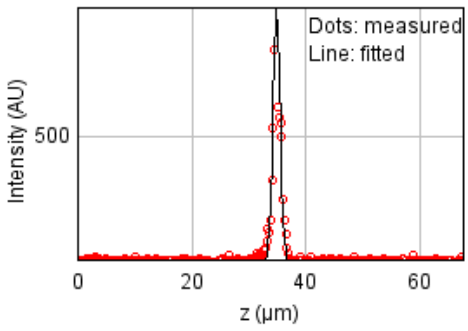




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 989.483 (brightness)
B = 119.898 (background)
a = 0.767 px
b = -0.057 px
c = 0.623 px
xc = 5.821 px
yc = 5.899 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 185485.314
Standard deviation: 24.58021
R^2: 0.94148
Parameters:
a = 112.92052
b = 900.38175
c = 34.93154
d = 0.61730

Bead 1576

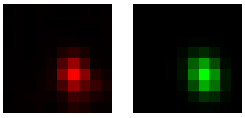
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

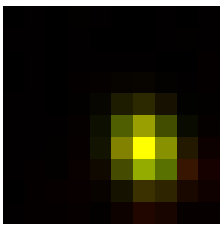
Coordinates : 9.25 um (x), -42.0 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	454 nm	469 nm	223 nm
max	571 nm	590 nm	223 nm
z	1.27 um	1.28 um	885 nm
Asymmetry	0.795		
Theta	-70.7°		

XY profile & fitting parameters :

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

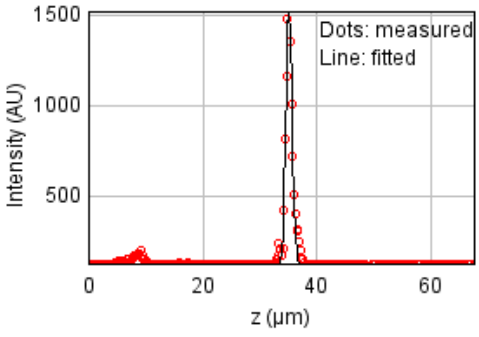




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 1340.212 (brightness)
B = 126.257 (background)
a = 0.626 px
b = -0.075 px
c = 0.438 px
xc = 6.051 px
yc = 6.052 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 194460.911
Standard deviation: 25.16790
R^2: 0.97717
Parameters:
a = 120.29636
b = 1523.64453
c = 35.18380
d = 0.53978

Bead 1577

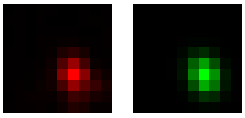
Date : Mon Oct 17 13:29:05 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

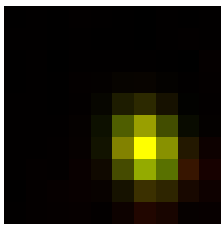
Coordinates : 9.25 um (x), -42.0 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	454 nm	469 nm	223 nm
max	571 nm	590 nm	223 nm
z	1.27 um	1.28 um	885 nm
Asymmetry	0.795		
Theta	-70.7°		

XY profile & fitting parameters :

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

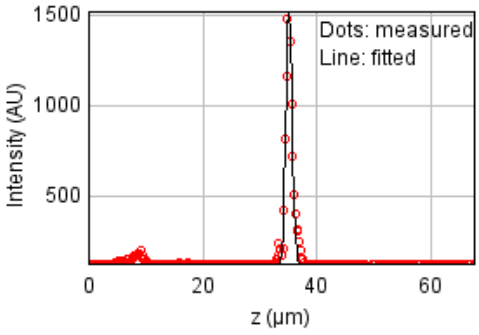




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

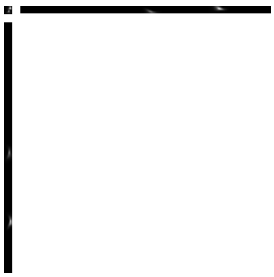
Parameters:
A = 1340.212 (brightness)
B = 126.257 (background)
a = 0.626 px
b = -0.075 px
c = 0.438 px
xc = 6.051 px
yc = 6.052 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 194460.911
Standard deviation: 25.16790
R^2: 0.97717
Parameters:
a = 120.29636
b = 1523.64453
c = 35.18380
d = 0.53978

Bead 1578



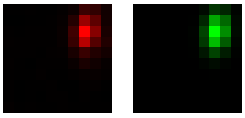
Date : Mon Oct 17 13:29:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

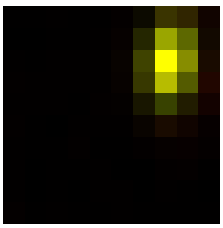
Coordinates : 9.5 um (x), -48.0 um (y), 53.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	371 nm	384 nm	223 nm
max	608 nm	628 nm	223 nm
z	1.18 um	1.19 um	885 nm
Asymmetry	0.61		
Theta	83.9°		

XY profile & fitting parameters :

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

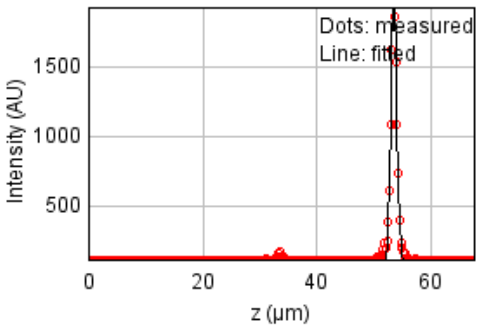




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1916.028 (brightness)
B = 125.439 (background)
a = 0.968 px
b = 0.065 px
c = 0.370 px
xc = 7.188 px
yc = 2.051 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 1579

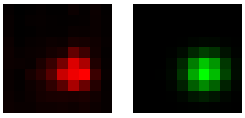
Date : Mon Oct 17 13:29:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

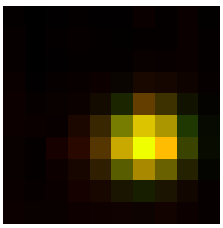
Coordinates : -119 um (x), -59.8 um (y), 35.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	546 nm	565 nm	223 nm
max	610 nm	631 nm	223 nm
z	1.57 um	1.57 um	885 nm
Asymmetry	0.895		
Theta	11.6°		

XY profile & fitting parameters :

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

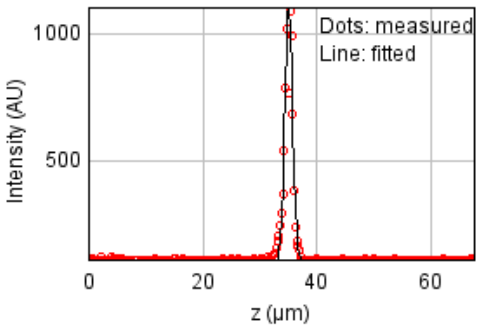




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 778.623 (brightness)
B = 120.102 (background)
a = 0.364 px
b = 0.018 px
c = 0.446 px
xc = 6.087 px
yc = 5.792 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 208103.710
Standard deviation: 26.03579
R^2: 0.96112
Parameters:
a = 112.46640
b = 1109.78008
c = 35.12244
d = 0.66507

Bead 1580

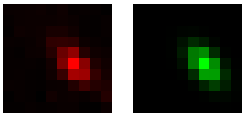
Date : Mon Oct 17 13:29:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

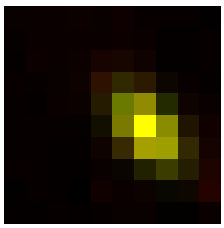
Coordinates : 125 um (x), -66.9 um (y), 34.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	383 nm	396 nm	223 nm
max	669 nm	691 nm	223 nm
z	1.28 um	1.28 um	885 nm
Asymmetry	0.573		
Theta	-51.2°		

XY profile & fitting parameters :

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

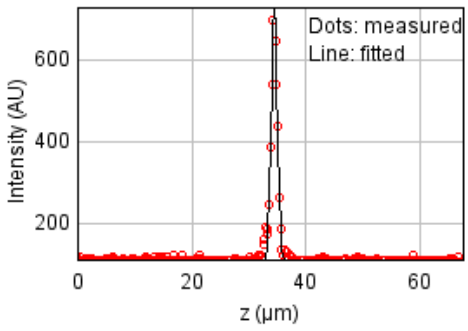




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

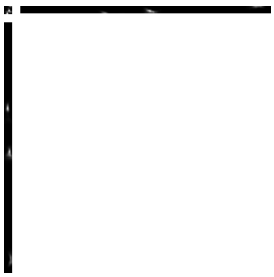
Parameters:
A = 624.262 (brightness)
B = 117.371 (background)
a = 0.674 px
b = -0.300 px
c = 0.542 px
xc = 6.105 px
yc = 5.119 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26122.2205
Standard deviation: 9.22435
R^2: 0.98411
Parameters:
a = 111.95980
b = 729.44679
c = 34.54329
d = 0.54216

Bead 1581



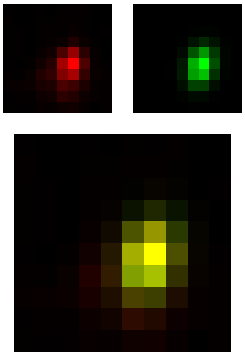
Date : Mon Oct 17 13:29:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -42.3 um (x), -72.9 um (y), 34.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	422 nm	223 nm
max	591 nm	611 nm	223 nm
z	1.25 um	1.25 um	885 nm
Asymmetry	0.691		
Theta	75.8°		

XY profile & fitting parameters :

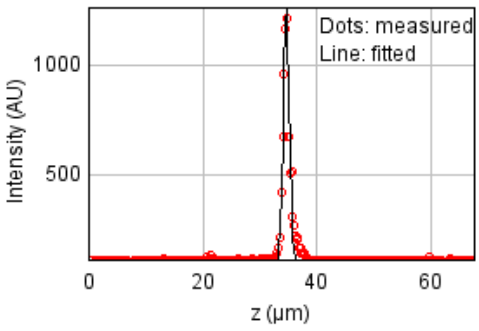
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1205.281 (brightness)
B = 127.539 (background)
a = 0.779 px
b = 0.100 px
c = 0.409 px
xc = 5.720 px
yc = 5.216 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 167813.795
Standard deviation: 23.38001
R^2: 0.96998
Parameters:
a = 116.35750
b = 1260.04708
c = 34.72365
d = 0.52927

Bead 1582

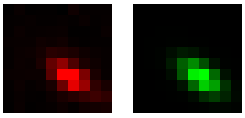
Date : Mon Oct 17 13:29:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

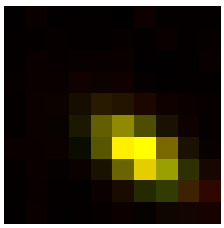
Coordinates : 160 um (x), -74.6 um (y), 34.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	379 nm	392 nm	223 nm
max	729 nm	754 nm	223 nm
z	1.77 um	1.77 um	885 nm
Asymmetry	0.52		
Theta	-35.4°		

XY profile & fitting parameters :

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

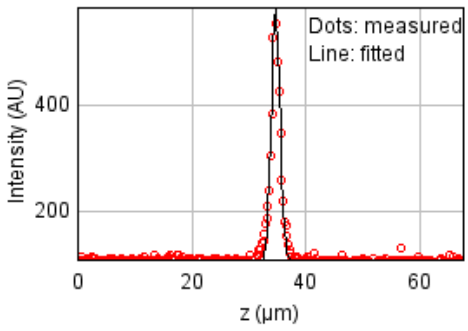




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 569.118 (brightness)
B = 116.459 (background)
a = 0.481 px
b = -0.322 px
c = 0.705 px
xc = 5.712 px
yc = 6.215 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27678.0169
Standard deviation: 9.49507
R^2: 0.97926
Parameters:
a = 109.99906
b = 584.30958
c = 34.77333
d = 0.75040

Bead 1583

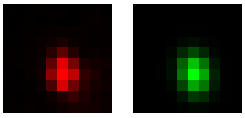
Date : Mon Oct 17 13:29:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

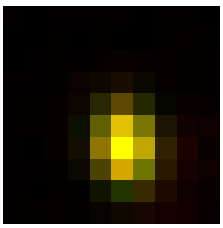
Coordinates : 75.5 um (x), -79.6 um (y), 35.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	467 nm	482 nm	223 nm
max	620 nm	640 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.753		
Theta	-80.0°		

XY profile & fitting parameters :

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

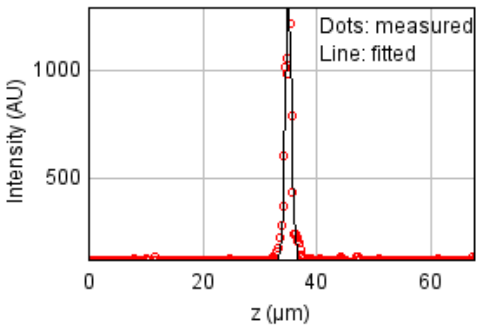




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

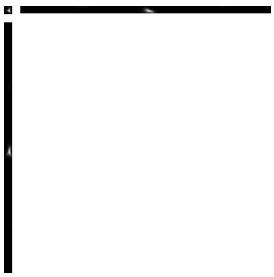
Parameters:
A = 1031.486 (brightness)
B = 122.804 (background)
a = 0.608 px
b = -0.046 px
c = 0.358 px
xc = 5.145 px
yc = 5.905 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 244435.458
Standard deviation: 28.21713
R^2: 0.96218
Parameters:
a = 114.93970
b = 1309.15925
c = 35.07383
d = 0.55749

Bead 1584



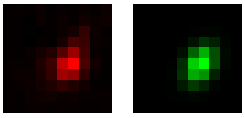
Date : Mon Oct 17 13:29:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

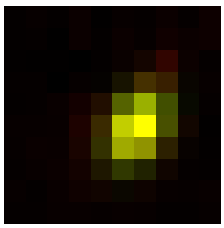
Coordinates : -129 um (x), -82.9 um (y), 34.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	427 nm	223 nm
max	608 nm	628 nm	223 nm
z	1.4 um	1.4 um	885 nm
Asymmetry	0.679		
Theta	61.2°		

XY profile & fitting parameters :

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

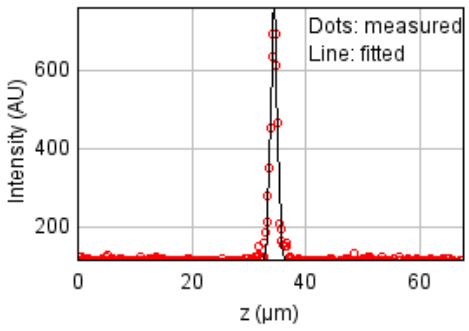




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 687.134 (brightness)
B = 122.909 (background)
a = 0.689 px
b = 0.179 px
c = 0.462 px
xc = 5.645 px
yc = 5.041 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41082.9869
Standard deviation: 11.56809
R^2: 0.97958
Parameters:
a = 112.79250
b = 764.92810
c = 34.49536
d = 0.59364

Bead 1585

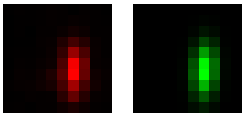
Date : Mon Oct 17 13:29:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

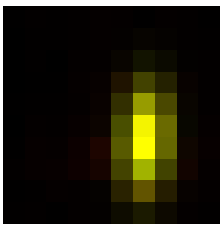
Coordinates : -24.6 um (x), 91.4 um (y), 35.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	370 nm	382 nm	223 nm
max	820 nm	848 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.451		
Theta	87.4°		

XY profile & fitting parameters :

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

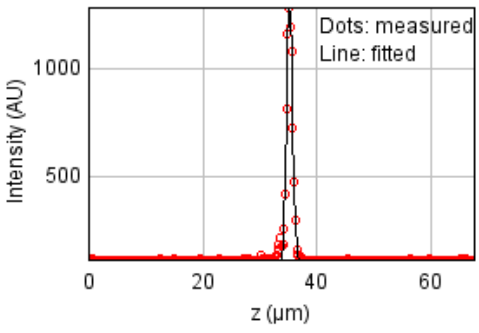




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

Parameters:
A = 1169.633 (brightness)
B = 124.190 (background)
a = 0.979 px
b = 0.036 px
c = 0.201 px
xc = 6.050 px
yc = 5.609 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 52943.4836
Standard deviation: 13.13219
R^2: 0.99063
Parameters:
a = 113.67148
b = 1303.53530
c = 35.29257
d = 0.50411

Bead 1586

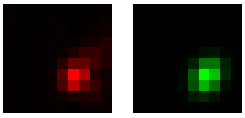
Date : Mon Oct 17 13:29:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

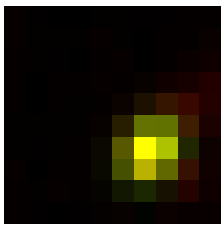
Coordinates : 105 um (x), 64.2 um (y), 35.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	417 nm	431 nm	223 nm
max	525 nm	543 nm	223 nm
z	1.61 um	1.61 um	885 nm
Asymmetry	0.794		
Theta	53.9°		

XY profile & fitting parameters :

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

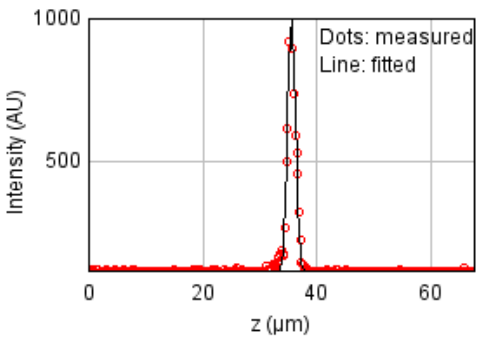




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.938

Parameters:
A = 934.297 (brightness)
B = 126.411 (background)
a = 0.672 px
b = 0.136 px
c = 0.585 px
xc = 6.272 px
yc = 6.128 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 88988.9857
Standard deviation: 17.02546
R^2: 0.97913
Parameters:
a = 112.73574
b = 1000.51700
c = 35.63888
d = 0.68189

Bead 1587

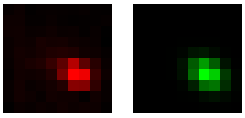
Date : Mon Oct 17 13:29:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

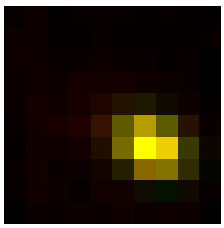
Coordinates : -161 um (x), 63.8 um (y), 35.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	551 nm	570 nm	223 nm
z	1.71 um	1.72 um	885 nm
Asymmetry	0.743		
Theta	-32.7°		

XY profile & fitting parameters :

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

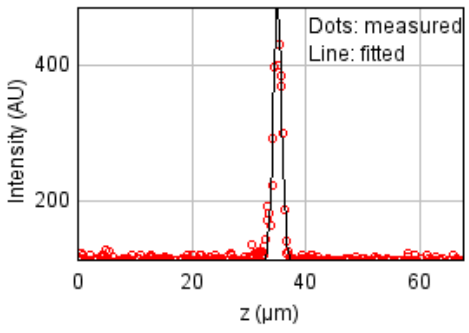




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 454.145 (brightness)
B = 116.282 (background)
a = 0.547 px
b = -0.164 px
c = 0.696 px
xc = 6.281 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: 45145.0804
Standard deviation: 12.12652
R^2: 0.94680
Parameters:
a = 111.26768
b = 488.79357
c = 35.08922
d = 0.72733

Bead 1588

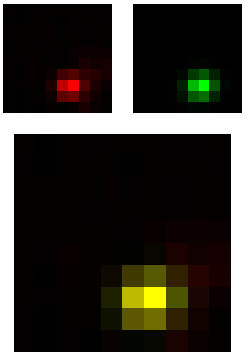
Date : Mon Oct 17 13:29:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 122 um (x), 37.6 um (y), 35.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	387 nm	223 nm
max	434 nm	449 nm	223 nm
z	1.36 um	1.37 um	885 nm
Asymmetry	0.861		
Theta	10.9°		

XY profile & fitting parameters :

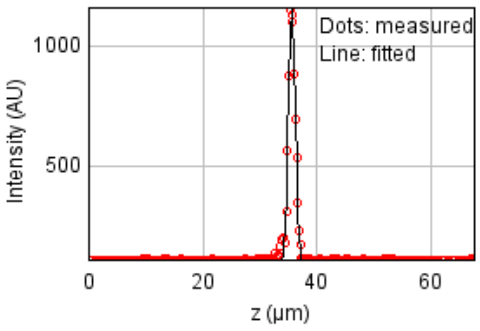
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1069.146 (brightness)
B = 119.728 (background)
a = 0.720 px
b = 0.046 px
c = 0.950 px
xc = 5.722 px
yc = 7.071 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 63487.3439
Standard deviation: 14.38051
R^2: 0.98740
Parameters:
a = 112.72755
b = 1162.34970
c = 35.69388
d = 0.57788

Bead 1589

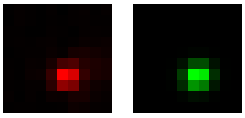
Date : Mon Oct 17 13:29:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

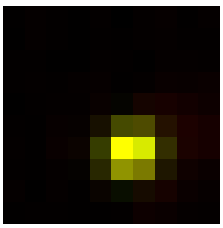
Coordinates : 120 um (x), 25.3 um (y), 35.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	424 nm	439 nm	223 nm
z	1.55 um	1.55 um	885 nm
Asymmetry	0.905		
Theta	18.9°		

XY profile & fitting parameters :

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

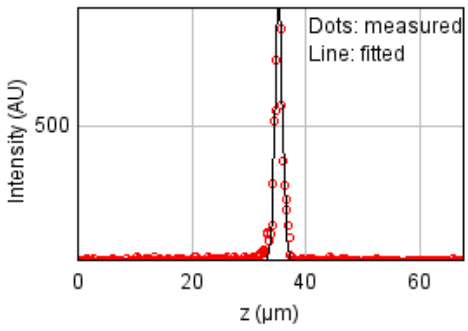




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 1030.993 (brightness)
B = 121.656 (background)
a = 0.763 px
b = 0.050 px
c = 0.893 px
xc = 5.431 px
yc = 6.169 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 142463.722
Standard deviation: 21.54185
R^2: 0.95105
Parameters:
a = 112.83966
b = 849.16881
c = 35.31990
d = 0.65622

Bead 1590

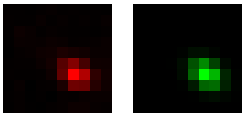
Date : Mon Oct 17 13:29:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

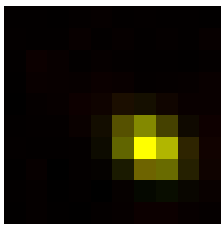
Coordinates : 130 um (x), -18.5 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	394 nm	223 nm
max	523 nm	540 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.73		
Theta	-35.1°		

XY profile & fitting parameters :

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

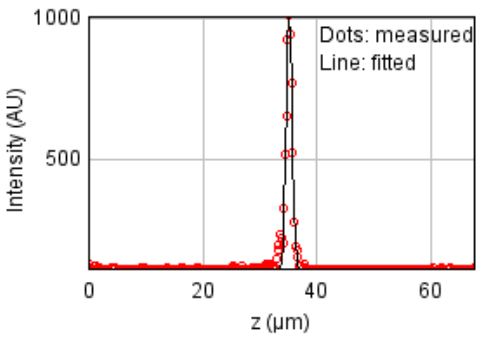




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

Parameters:
A = 915.449 (brightness)
B = 118.711 (background)
a = 0.634 px
b = -0.203 px
c = 0.780 px
xc = 6.219 px
yc = 5.958 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 59518.5046
Standard deviation: 13.92377
R^2: 0.98215
Parameters:
a = 113.55758
b = 1007.99246
c = 35.21414
d = 0.52245

Bead 1591

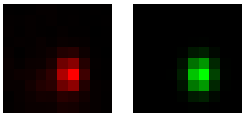
Date : Mon Oct 17 13:29:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

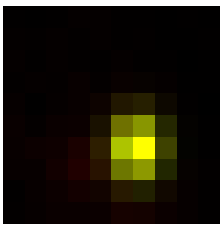
Coordinates : -94.2 um (x), -40.9 um (y), 35.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	420 nm	223 nm
max	506 nm	523 nm	223 nm
z	1.35 um	1.36 um	885 nm
Asymmetry	0.802		
Theta	88.0°		

XY profile & fitting parameters :

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

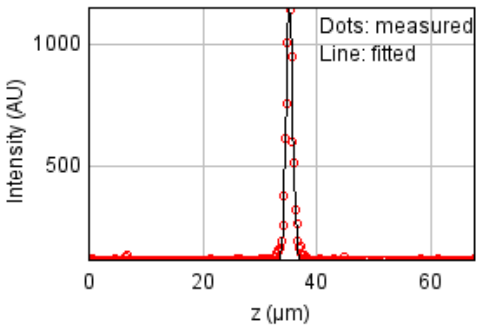




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

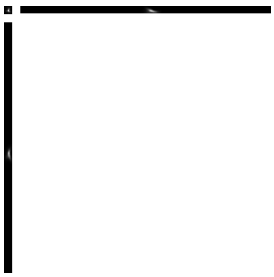
Parameters:
A = 1125.515 (brightness)
B = 127.926 (background)
a = 0.814 px
b = 0.010 px
c = 0.524 px
xc = 5.663 px
yc = 6.013 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 55334.0249
Standard deviation: 13.42539
R^2: 0.98885
Parameters:
a = 112.96545
b = 1159.76830
c = 35.25895
d = 0.57321

Bead 1592



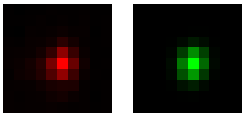
Date : Mon Oct 17 13:29:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

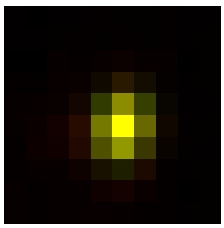
Coordinates : -104 um (x), -46.0 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	413 nm	223 nm
max	493 nm	510 nm	223 nm
z	1.21 um	1.21 um	885 nm
Asymmetry	0.811		
Theta	78.9°		

XY profile & fitting parameters :

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

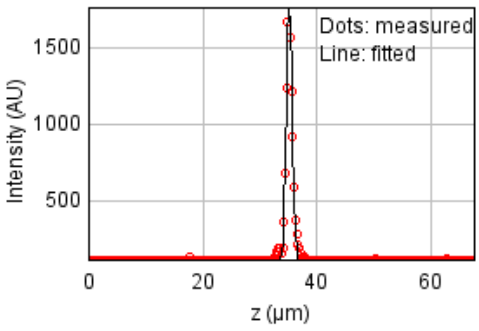




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 1633.372 (brightness)
B = 135.562 (background)
a = 0.828 px
b = 0.054 px
c = 0.562 px
xc = 4.950 px
yc = 5.042 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 124040.548
Standard deviation: 20.10077
R^2: 0.98880
Parameters:
a = 115.15262
b = 1764.65255
c = 35.23332
d = 0.51357

Bead 1593

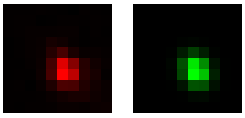
Date : Mon Oct 17 13:29:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

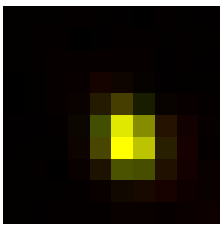
Coordinates : 94.4 um (x), -74.9 um (y), 35.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	412 nm	223 nm
max	489 nm	505 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.816		
Theta	-63.0°		

XY profile & fitting parameters :

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

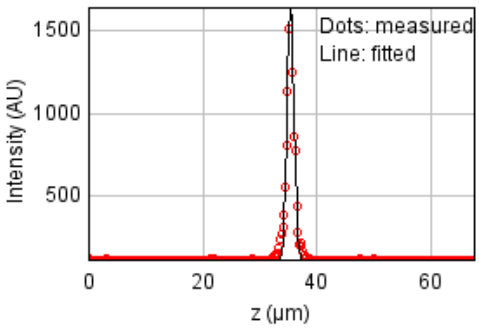




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

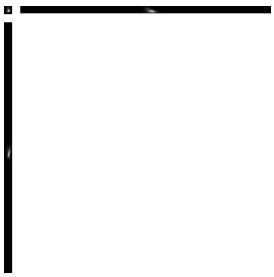
Parameters:
A = 1748.974 (brightness)
B = 132.326 (background)
a = 0.786 px
b = -0.114 px
c = 0.620 px
xc = 5.274 px
yc = 5.631 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 153656.714
Standard deviation: 22.37209
R^2: 0.98604
Parameters:
a = 116.01008
b = 1639.86433
c = 35.46517
d = 0.59882

Bead 1594



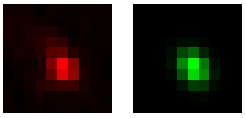
Date : Mon Oct 17 13:29:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

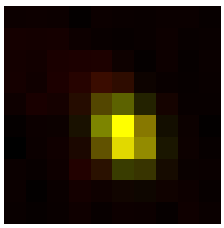
Coordinates : -146 um (x), 78.2 um (y), 35.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	422 nm	223 nm
max	540 nm	558 nm	223 nm
z	1.3 um	1.31 um	885 nm
Asymmetry	0.757		
Theta	-57.1°		

XY profile & fitting parameters :

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

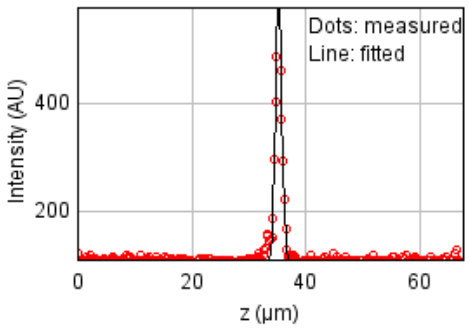




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

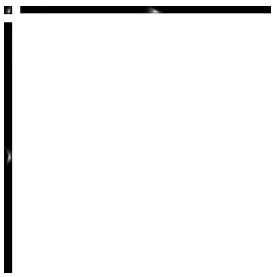
Parameters:
A = 513.918 (brightness)
B = 119.924 (background)
a = 0.703 px
b = -0.157 px
c = 0.562 px
xc = 5.046 px
yc = 5.366 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22439.2898
Standard deviation: 8.54939
R^2: 0.97760
Parameters:
a = 111.24345
b = 586.75820
c = 35.30062
d = 0.55372

Bead 1595



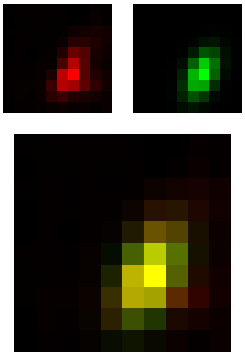
Date : Mon Oct 17 13:29:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 30.1 um (x), 73.3 um (y), 36.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	436 nm	223 nm
max	735 nm	760 nm	223 nm
z	1.17 um	1.18 um	885 nm
Asymmetry	0.574		
Theta	65.0°		

XY profile & fitting parameters :

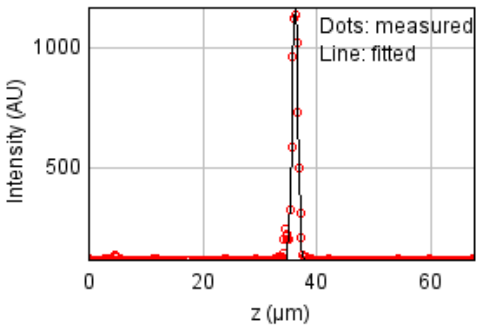
(red : the orignal data, green : the fit, yellow : the two merged)



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

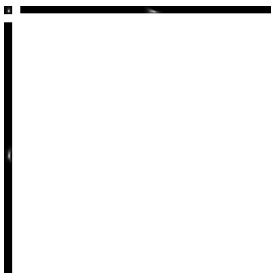
Parameters:
A = 1018.360 (brightness)
B = 128.443 (background)
a = 0.664 px
b = 0.194 px
c = 0.339 px
xc = 5.776 px
yc = 5.962 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61348.6732
Standard deviation: 14.13622
R^2: 0.98631
Parameters:
a = 114.26535
b = 1177.80359
c = 36.24353
d = 0.49805

Bead 1596



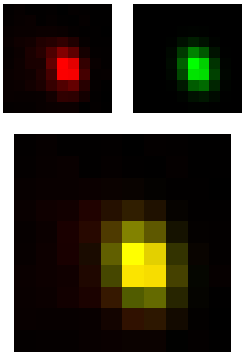
Date : Mon Oct 17 13:29:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -124 um (x), 36.4 um (y), 35.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	461 nm	477 nm	223 nm
max	608 nm	628 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.759		
Theta	-69.2°		

XY profile & fitting parameters :

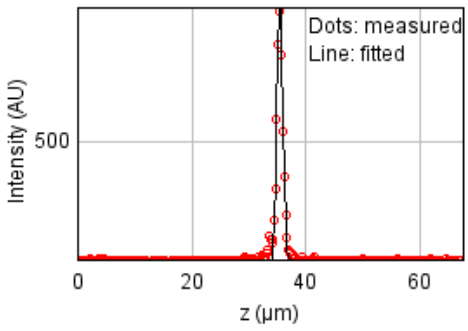
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 963.744 (brightness)
B = 133.071 (background)
a = 0.597 px
b = -0.089 px
c = 0.397 px
xc = 5.391 px
yc = 5.443 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34750.9159
Standard deviation: 10.63932
R^2: 0.98804
Parameters:
a = 113.42222
b = 960.90070
c = 35.52557
d = 0.50963

Bead 1597

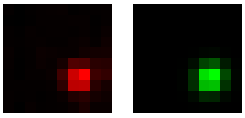
Date : Mon Oct 17 13:29:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

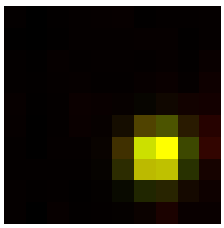
Coordinates : 130 um (x), 33.4 um (y), 35.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	438 nm	223 nm
max	453 nm	468 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.935		
Theta	46.8°		

XY profile & fitting parameters :

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

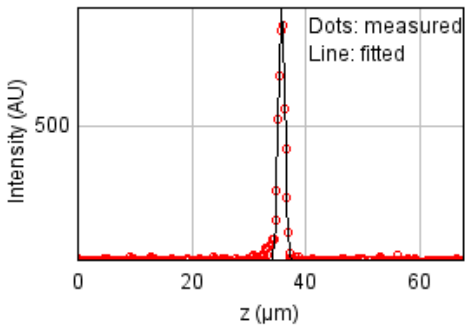




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

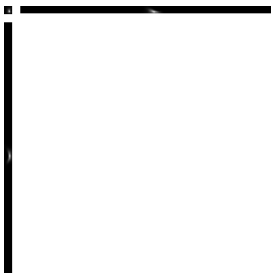
Parameters:
A = 889.870 (brightness)
B = 117.443 (background)
a = 0.704 px
b = 0.047 px
c = 0.698 px
xc = 6.572 px
yc = 6.328 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31448.7648
Standard deviation: 10.12121
R^2: 0.98643
Parameters:
a = 111.67630
b = 843.67604
c = 35.81538
d = 0.54491

Bead 1598



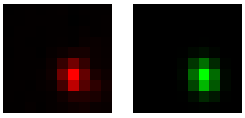
Date : Mon Oct 17 13:29:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

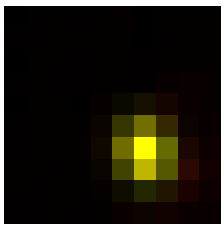
Coordinates : 22.4 um (x), 24.8 um (y), 36.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	485 nm	501 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.805		
Theta	-76.2°		

XY profile & fitting parameters :

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

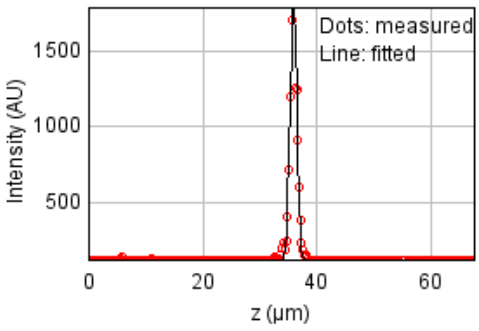




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 1773.249 (brightness)
B = 129.948 (background)
a = 0.864 px
b = -0.072 px
c = 0.588 px
xc = 6.014 px
yc = 6.211 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 214104.129
Standard deviation: 26.40848
R^2: 0.98410
Parameters:
a = 114.75590
b = 1818.35033
c = 35.97554
d = 0.58454

Bead 1599 (Rejected)

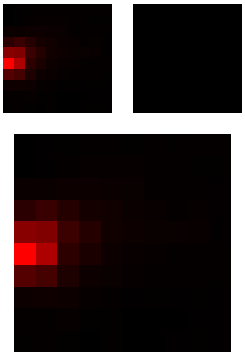
Date : Mon Oct 17 13:29:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 93.1 um (x), 17.6 um (y), 30.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	76.5 nm	79.1 nm	223 nm
max	317 nm	328 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.241		
Theta	87.4°		

XY profile & fitting parameters :

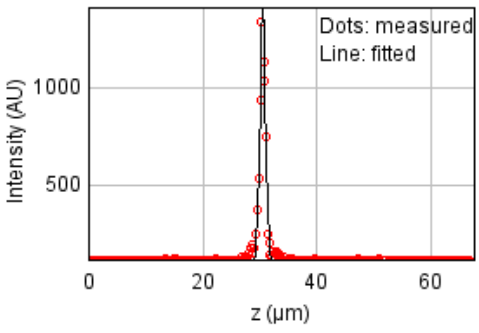
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = -53.482 (brightness)
B = 195.570 (background)
a = 22.861 px
b = 0.959 px
c = 1.377 px
xc = 11.019 px
yc = 5.858 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 191231.910
Standard deviation: 24.95807
R^2: 0.97116
Parameters:
a = 114.97582
b = 1409.14881
c = 30.58969
d = 0.48981

Bead 1600

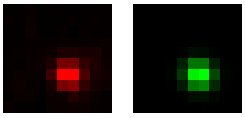
Date : Mon Oct 17 13:29:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

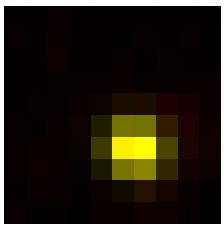
Coordinates : 119 um (x), -667 nm (y), 35.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	436 nm	223 nm
max	450 nm	465 nm	223 nm
z	1.39 um	1.4 um	885 nm
Asymmetry	0.938		
Theta	-30.2°		

XY profile & fitting parameters :

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

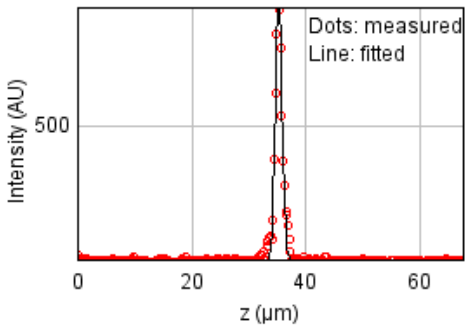




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 845.424 (brightness)
B = 120.512 (background)
a = 0.686 px
b = -0.040 px
c = 0.731 px
xc = 5.547 px
yc = 6.030 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56657.3984
Standard deviation: 13.58498
R^2: 0.97808
Parameters:
a = 113.27377
b = 853.45357
c = 35.31269
d = 0.59094