Bead 3101

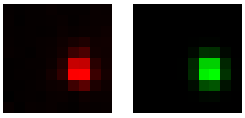
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

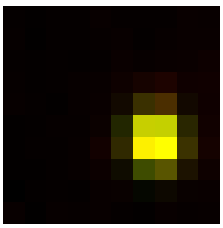
Coordinates : -158 um (x), 47.6 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	410 nm	223 nm
max	456 nm	471 nm	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.871		
Theta	-82.0°		

XY profile & fitting parameters :

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

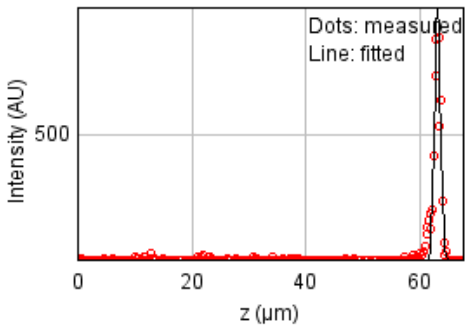




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1130.477 (brightness)
B = 121.562 (background)
a = 0.848 px
b = -0.028 px
c = 0.650 px
xc = 6.525 px
yc = 5.637 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 114990.609
Standard deviation: 19.35361
R^2: 0.95670
Parameters:
a = 113.00293
b = 892.22542
c = 63.13607
d = 0.53435

Bead 3102

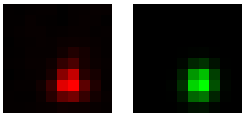
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -105 um (x), 38.3 um (y), 63.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	445 nm	460 nm	223 nm
max	501 nm	518 nm	223 nm
z	1.31 um	1.31 um	885 nm
Asymmetry	0.887		
Theta	79.8°		

XY profile & fitting parameters :

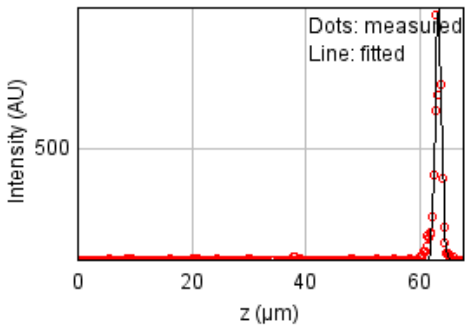
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 994.820 (brightness)
B = 117.715 (background)
a = 0.673 px
b = 0.025 px
c = 0.538 px
xc = 5.648 px
yc = 6.782 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 173725.813
Standard deviation: 23.78828
R^2: 0.95050
Parameters:
a = 114.31350
b = 990.29184
c = 63.28462
d = 0.55572

Bead 3103

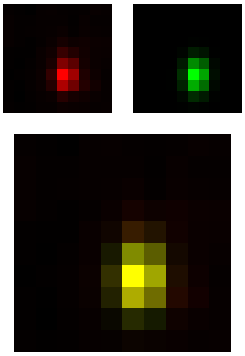
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -104 um (x), 35.8 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	357 nm	369 nm	223 nm
max	516 nm	534 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.692		
Theta	88.4°		

XY profile & fitting parameters :

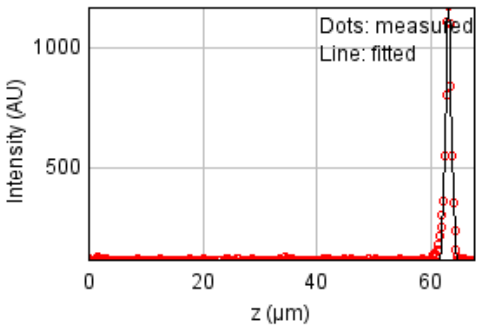
(red : the orignal data, green : the fit, yellow : the two merged)



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

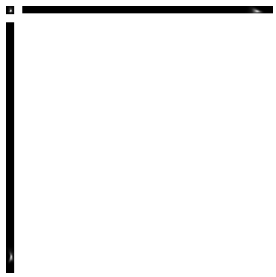
Parameters:
A = 1130.367 (brightness)
B = 125.793 (background)
a = 1.050 px
b = 0.016 px
c = 0.504 px
xc = 5.293 px
yc = 6.095 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 52414.1904
Standard deviation: 13.06638
R^2: 0.98873
Parameters:
a = 114.32730
b = 1171.25466
c = 63.13702
d = 0.52516

Bead 3104



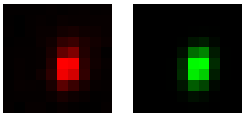
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

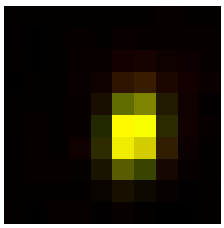
Coordinates : -101 um (x), 34.0 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	394 nm	223 nm
max	561 nm	580 nm	223 nm
z	1.29 um	1.29 um	885 nm
Asymmetry	0.68		
Theta	80.1°		

XY profile & fitting parameters :

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

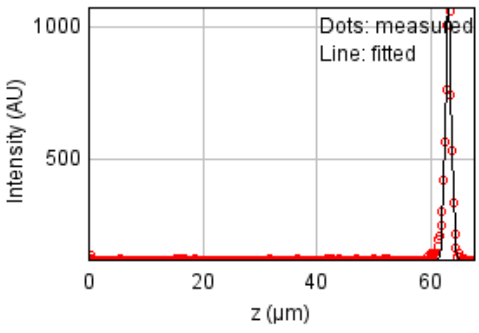




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 1258.684 (brightness)
B = 122.792 (background)
a = 0.908 px
b = 0.084 px
c = 0.441 px
xc = 5.482 px
yc = 5.345 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51341.5063
Standard deviation: 12.93198
R^2: 0.98721
Parameters:
a = 113.34297
b = 1075.07629
c = 63.11604
d = 0.54768

Bead 3105

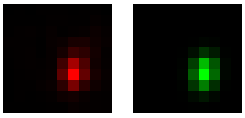
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

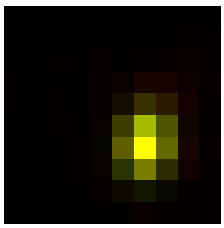
Coordinates : -74.1 um (x), 30.0 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	386 nm	223 nm
max	513 nm	531 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.728		
Theta	82.3°		

XY profile & fitting parameters :

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

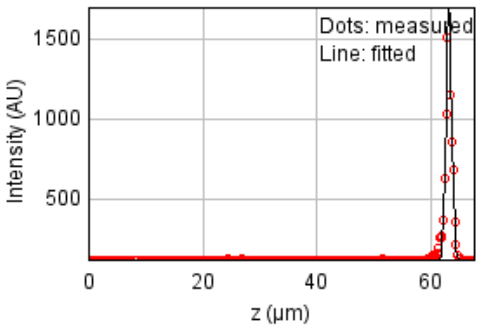




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1566.807 (brightness)
B = 129.035 (background)
a = 0.953 px
b = 0.060 px
c = 0.518 px
xc = 6.038 px
yc = 5.801 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 131326.492
Standard deviation: 20.68269
R^2: 0.98727
Parameters:
a = 115.40118
b = 1714.93019
c = 63.20572
d = 0.50741

Bead 3106

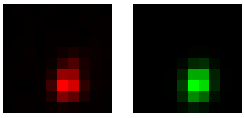
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

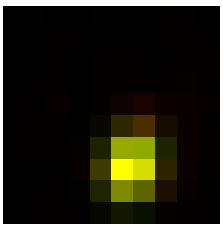
Coordinates : -49.8 um (x), 27.1 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	415 nm	223 nm
max	516 nm	534 nm	223 nm
z	1.32 um	1.32 um	885 nm
Asymmetry	0.778		
Theta	75.7°		

XY profile & fitting parameters :

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

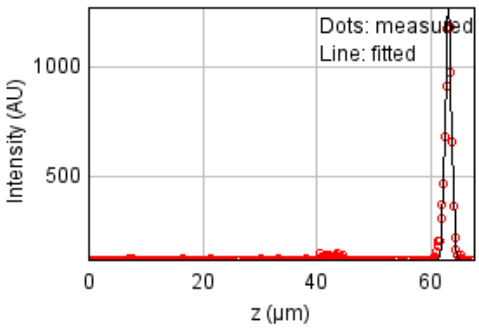




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

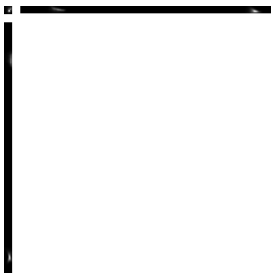
Parameters:
A = 1308.986 (brightness)
B = 123.657 (background)
a = 0.811 px
b = 0.079 px
c = 0.523 px
xc = 5.423 px
yc = 6.834 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 77749.6038
Standard deviation: 15.91402
R^2: 0.98678
Parameters:
a = 117.47210
b = 1269.06026
c = 63.12044
d = 0.55969

Bead 3107



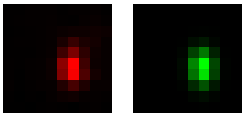
Date : Mon Oct 17 13:30:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

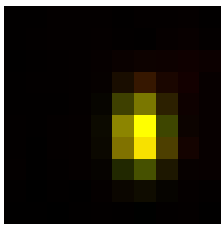
Coordinates : -82.8 um (x), 26.3 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	371 nm	384 nm	223 nm
max	547 nm	566 nm	223 nm
z	1.17 um	1.17 um	885 nm
Asymmetry	0.678		
Theta	-88.4°		

XY profile & fitting parameters :

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

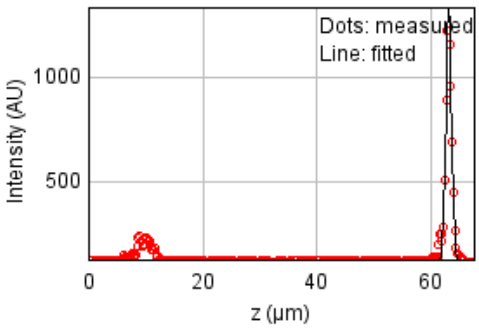




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1442.644 (brightness)
B = 129.450 (background)
a = 0.974 px
b = -0.015 px
c = 0.448 px
xc = 5.840 px
yc = 5.351 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 216831.853
Standard deviation: 26.57617
R^2: 0.96382
Parameters:
a = 120.85523
b = 1340.13649
c = 63.17557
d = 0.49514

Bead 3108

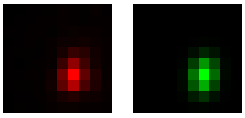
Date : Mon Oct 17 13:30:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

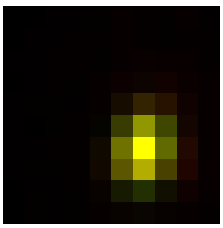
Coordinates : -117 um (x), 24.8 um (y), 63.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	410 nm	223 nm
max	544 nm	563 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.729		
Theta	82.2°		

XY profile & fitting parameters :

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

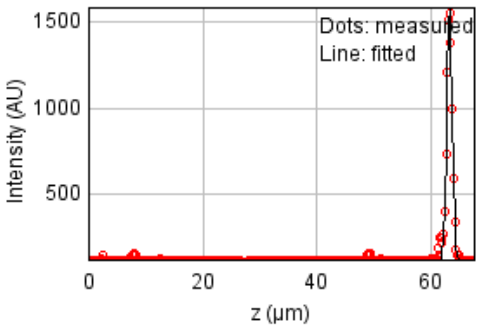




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

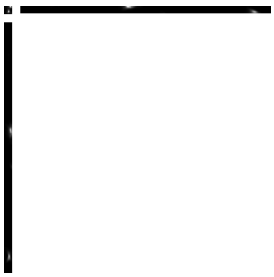
Parameters:
A = 1411.781 (brightness)
B = 122.078 (background)
a = 0.845 px
b = 0.054 px
c = 0.460 px
xc = 5.974 px
yc = 6.079 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 83322.1592
Standard deviation: 16.47446
R^2: 0.98994
Parameters:
a = 117.15529
b = 1590.04503
c = 63.30974
d = 0.48107

Bead 3109 (Rejected)



Date : Mon Oct 17 13:30:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -47.1 um (x), 26.2 um (y), 29.0 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

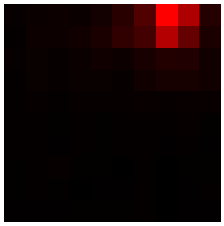
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.47 um	1.48 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

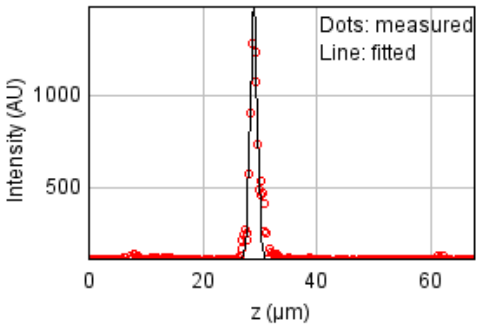
XY profile & fitting parameters :

(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: 504996.940
Standard deviation: 40.55787
R^2: 0.94636
Parameters:
a = 122.50015
b = 1475.06738
c = 29.00334
d = 0.62495

Bead 3110

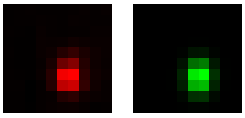
Date : Mon Oct 17 13:30:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

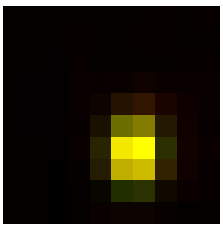
Coordinates : -47.8 um (x), 22.6 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	510 nm	527 nm	223 nm
z	1.09 um	1.09 um	885 nm
Asymmetry	0.764		
Theta	88.2°		

XY profile & fitting parameters :

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

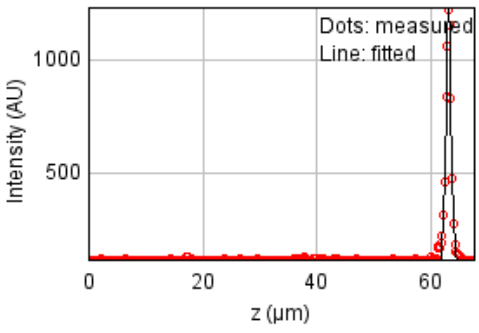




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

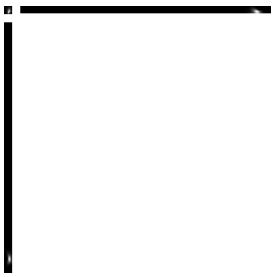
Parameters:
A = 1386.769 (brightness)
B = 125.924 (background)
a = 0.884 px
b = 0.012 px
c = 0.517 px
xc = 5.551 px
yc = 6.208 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41249.5910
Standard deviation: 11.59153
R^2: 0.99088
Parameters:
a = 115.28913
b = 1227.71064
c = 63.14392
d = 0.46076

Bead 3111



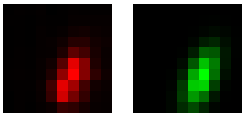
Date : Mon Oct 17 13:30:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

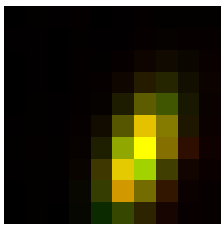
Coordinates : -63.2 um (x), -31.5 um (y), 63.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	435 nm	450 nm	223 nm
max	921 nm	952 nm	223 nm
z	1.52 um	1.53 um	885 nm
Asymmetry	0.473		
Theta	67.9°		

XY profile & fitting parameters :

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

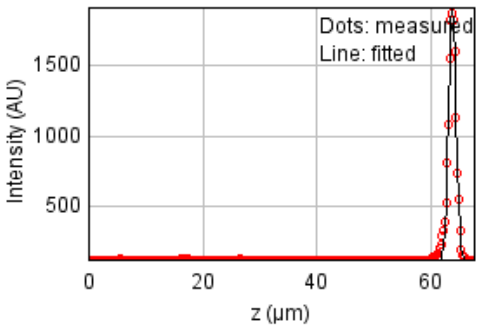




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

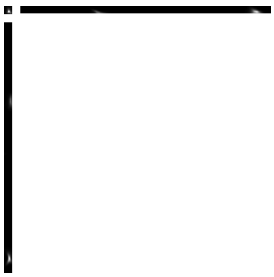
Parameters:
A = 1831.209 (brightness)
B = 132.402 (background)
a = 0.631 px
b = 0.192 px
c = 0.236 px
xc = 5.749 px
yc = 6.293 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 97138.3381
Standard deviation: 17.78796
R^2: 0.99402
Parameters:
a = 116.33348
b = 1909.42571
c = 63.79691
d = 0.64544

Bead 3112



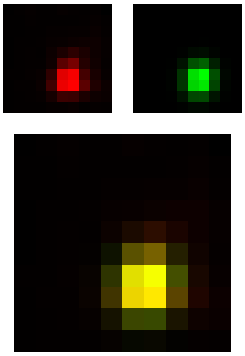
Date : Mon Oct 17 13:30:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -35.3 um (x), -35.7 um (y), 63.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	450 nm	465 nm	223 nm
max	504 nm	521 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.893		
Theta	79.9°		

XY profile & fitting parameters :

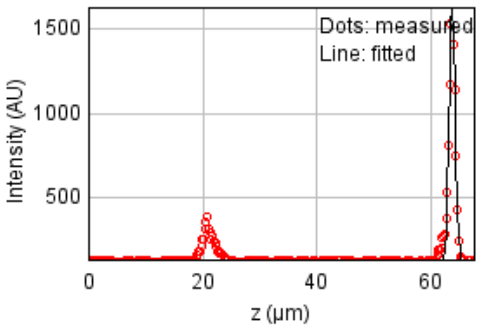
(red : the orignal data, green : the fit, yellow : the two merged)



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

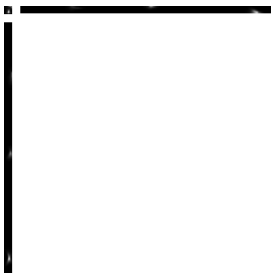
Parameters:
A = 1997.391 (brightness)
B = 131.084 (background)
a = 0.658 px
b = 0.023 px
c = 0.532 px
xc = 5.589 px
yc = 6.427 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 492870.293
Standard deviation: 40.06795
R^2: 0.94965
Parameters:
a = 125.23135
b = 1632.15525
c = 63.76827
d = 0.52236

Bead 3113



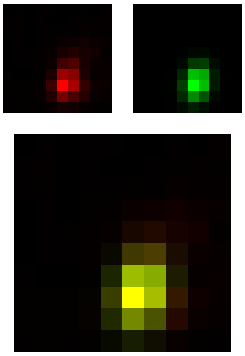
Date : Mon Oct 17 13:30:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -14.0 um (x), -46.6 um (y), 63.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	553 nm	572 nm	223 nm
z	1.37 um	1.37 um	885 nm
Asymmetry	0.704		
Theta	76.7°		

XY profile & fitting parameters :

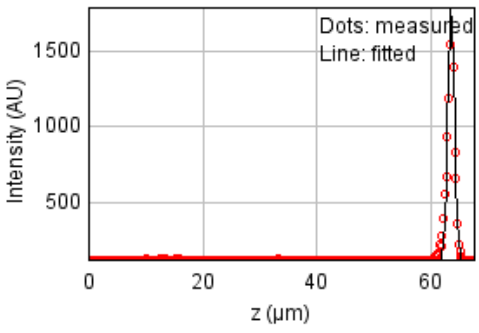
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1770.781 (brightness)
B = 133.883 (background)
a = 0.861 px
b = 0.100 px
c = 0.462 px
xc = 5.353 px
yc = 6.746 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 229684.868
Standard deviation: 27.35250
R^2: 0.98217
Parameters:
a = 117.04085
b = 1786.75970
c = 63.58813
d = 0.58086

Bead 3114

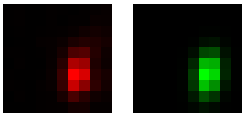
Date : Mon Oct 17 13:30:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

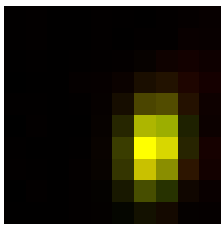
Coordinates : -2.33 um (x), -52.6 um (y), 63.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	420 nm	223 nm
max	664 nm	687 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.611		
Theta	82.4°		

XY profile & fitting parameters :

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

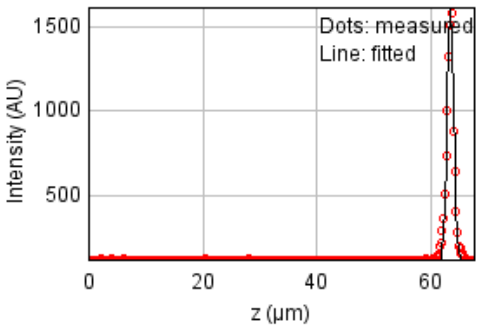




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1531.816 (brightness)
B = 132.408 (background)
a = 0.805 px
b = 0.067 px
c = 0.313 px
xc = 6.394 px
yc = 5.963 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 175802.436
Standard deviation: 23.93003
R^2: 0.98323
Parameters:
a = 114.98870
b = 1641.75033
c = 63.46570
d = 0.56552

Bead 3115

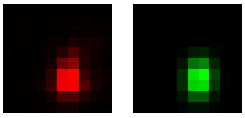
Date : Mon Oct 17 13:30:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

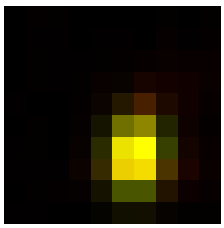
Coordinates : -30.7 um (x), -65.0 um (y), 63.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	435 nm	223 nm
max	583 nm	602 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.722		
Theta	85.1°		

XY profile & fitting parameters :

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

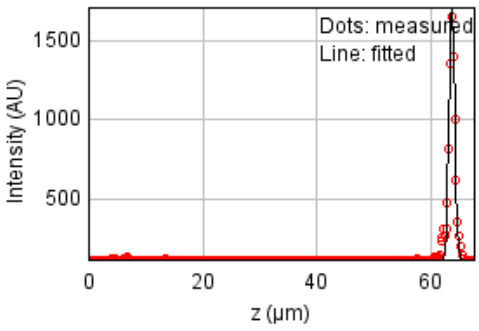




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1901.454 (brightness)
B = 136.082 (background)
a = 0.756 px
b = 0.031 px
c = 0.398 px
xc = 5.567 px
yc = 6.343 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 150610.713
Standard deviation: 22.14924
R^2: 0.98500
Parameters:
a = 117.27305
b = 1726.66704
c = 63.71643
d = 0.48628

Bead 3116

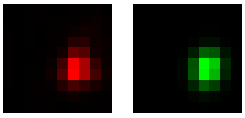
Date : Mon Oct 17 13:30:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

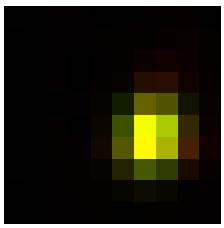
Coordinates : -36.5 um (x), -70.1 um (y), 64.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	436 nm	451 nm	223 nm
max	523 nm	540 nm	223 nm
z	1.49 um	1.5 um	885 nm
Asymmetry	0.835		
Theta	77.2°		

XY profile & fitting parameters :

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

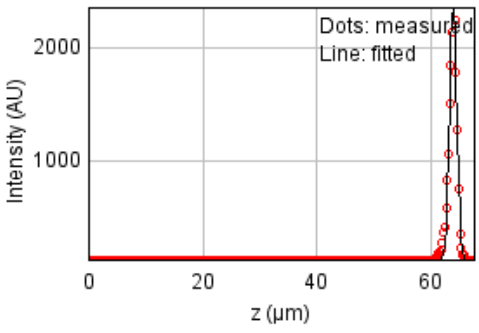




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 2711.407 (brightness)
B = 136.817 (background)
a = 0.694 px
b = 0.046 px
c = 0.502 px
xc = 6.302 px
yc = 5.447 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 303299.111
Standard deviation: 31.43159
R^2: 0.98799
Parameters:
a = 114.73613
b = 2364.24444
c = 63.95372
d = 0.63320

Bead 3117

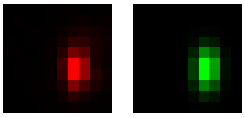
Date : Mon Oct 17 13:30:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

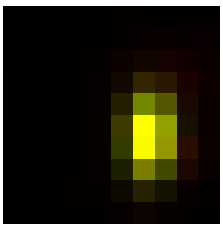
Coordinates : -21.5 um (x), -73.1 um (y), 63.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	372 nm	385 nm	223 nm
max	637 nm	658 nm	223 nm
z	1.24 um	1.25 um	885 nm
Asymmetry	0.585		
Theta	88.5°		

XY profile & fitting parameters :

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

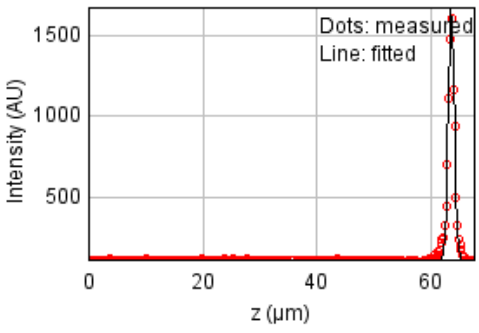




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

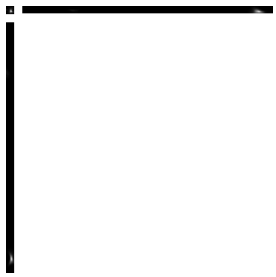
Parameters:
A = 1793.408 (brightness)
B = 135.759 (background)
a = 0.967 px
b = 0.017 px
c = 0.332 px
xc = 6.250 px
yc = 5.455 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 107706.012
Standard deviation: 18.73056
R^2: 0.98936
Parameters:
a = 115.88933
b = 1673.51446
c = 63.61801
d = 0.52713

Bead 3118



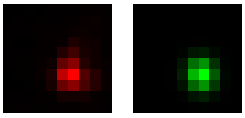
Date : Mon Oct 17 13:30:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

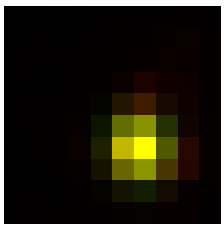
Coordinates : -4.46 um (x), -75.0 um (y), 63.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	436 nm	451 nm	223 nm
max	496 nm	512 nm	223 nm
z	1.22 um	1.22 um	885 nm
Asymmetry	0.881		
Theta	-80.6°		

XY profile & fitting parameters :

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

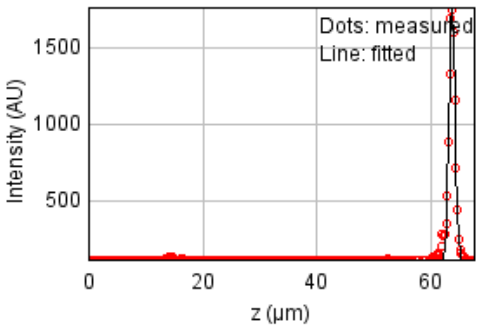




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 1661.368 (brightness)
B = 132.746 (background)
a = 0.700 px
b = -0.025 px
c = 0.550 px
xc = 5.739 px
yc = 5.996 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 99872.0319
Standard deviation: 18.03652
R^2: 0.99104
Parameters:
a = 116.67071
b = 1767.24753
c = 63.75263
d = 0.51746

Bead 3119

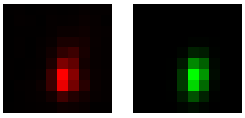
Date : Mon Oct 17 13:30:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

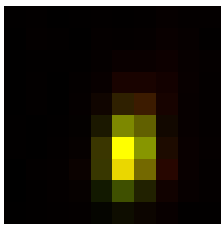
Coordinates : 7.09 um (x), -80.4 um (y), 63.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	357 nm	369 nm	223 nm
max	586 nm	605 nm	223 nm
z	1.3 um	1.3 um	885 nm
Asymmetry	0.609		
Theta	82.0°		

XY profile & fitting parameters :

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

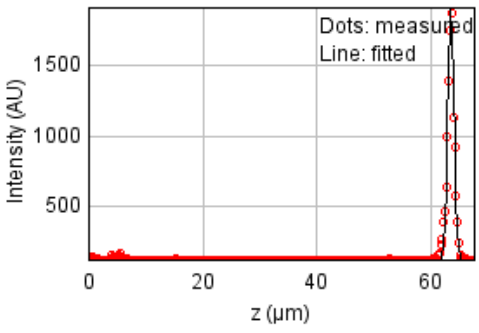




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 2075.498 (brightness)
B = 140.352 (background)
a = 1.042 px
b = 0.091 px
c = 0.404 px
xc = 5.224 px
yc = 6.232 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 205681.655
Standard deviation: 25.88383
R^2: 0.98547
Parameters:
a = 118.37515
b = 1916.73373
c = 63.54827
d = 0.55126

Bead 3120

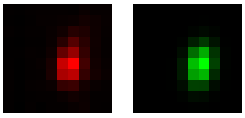
Date : Mon Oct 17 13:30:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

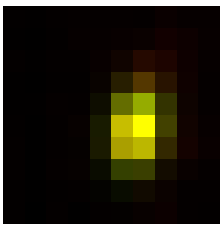
Coordinates : 5.87 um (x), -89.3 um (y), 63.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	412 nm	223 nm
max	616 nm	636 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.647		
Theta	80.7°		

XY profile & fitting parameters :

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

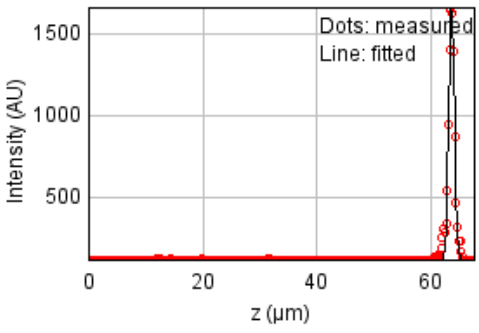




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 1650.351 (brightness)
B = 132.204 (background)
a = 0.833 px
b = 0.078 px
c = 0.367 px
xc = 5.668 px
yc = 5.115 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 114833.663
Standard deviation: 19.34040
R^2: 0.98800
Parameters:
a = 115.59683
b = 1687.39859
c = 63.67277
d = 0.48754

Bead 3121 (Rejected)

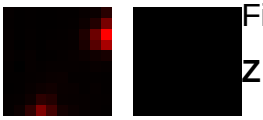
Date : Mon Oct 17 13:30:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 19.8 um (x), -92.0 um (y), 64.0 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

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

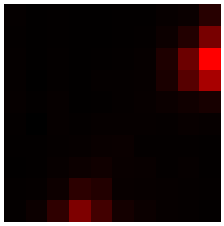
XY profile & fitting parameters :

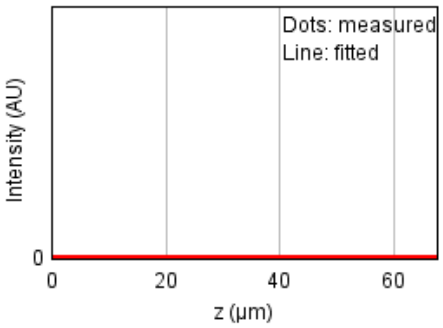
(red : the orignal data, green : the fit, yellow : the two merged)



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

Z profile & fitting parameters:





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

Bead 3122 (Rejected)

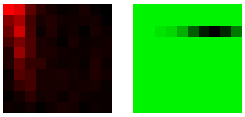
Date : Mon Oct 17 13:30:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

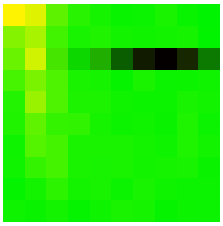
Coordinates : 17.1 um (x), -95.1 um (y), 8.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	66.1 nm	68.3 nm	223 nm
max	1.43 um	1.48 um	223 nm
z	1.98 um	1.99 um	885 nm
Asymmetry	0.046		
Theta	3.0°		

XY profile & fitting parameters :

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

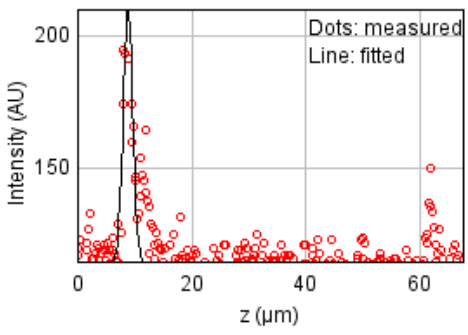




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.013

Parameters:
A = -19.858 (brightness)
B = 126.744 (background)
a = 0.151 px
b = 1.612 px
c = 30.630 px
xc = 5.805 px
yc = 2.097 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25218.1303
Standard deviation: 9.06332
R^2: 0.70530
Parameters:
a = 114.29845
b = 210.81055
c = 8.89815
d = 0.84126

Bead 3123

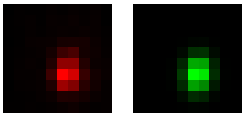
Date : Mon Oct 17 13:30:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

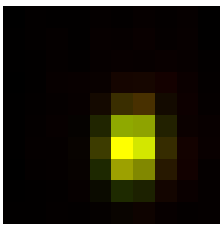
Coordinates : 72.3 um (x), -95.9 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	429 nm	223 nm
max	555 nm	574 nm	223 nm
z	1.4 um	1.41 um	885 nm
Asymmetry	0.748		
Theta	84.6°		

XY profile & fitting parameters :

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

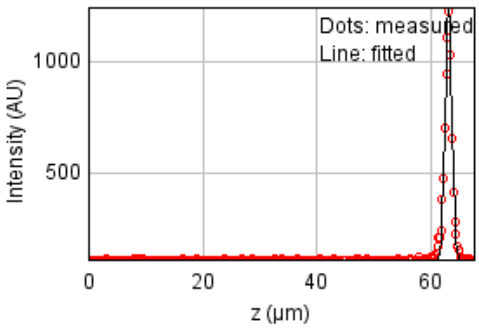




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1190.285 (brightness)
B = 125.672 (background)
a = 0.777 px
b = 0.032 px
c = 0.439 px
xc = 5.436 px
yc = 5.940 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 67300.9742
Standard deviation: 14.80613
R^2: 0.98877
Parameters:
a = 114.08309
b = 1243.26924
c = 63.14035
d = 0.59518

Bead 3124

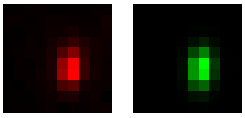
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

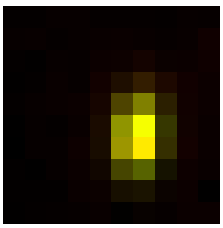
Coordinates : -160 um (x), 28.1 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	360 nm	372 nm	223 nm
max	589 nm	609 nm	223 nm
z	1.12 um	1.13 um	885 nm
Asymmetry	0.61		
Theta	86.1°		

XY profile & fitting parameters :

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

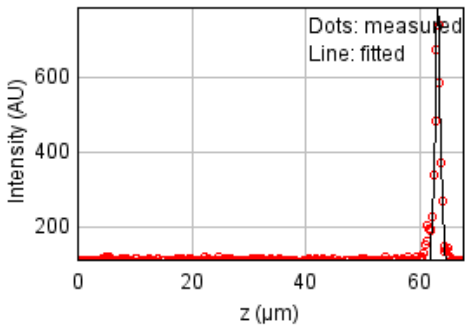




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 825.922 (brightness)
B = 121.274 (background)
a = 1.033 px
b = 0.045 px
c = 0.389 px
xc = 5.743 px
yc = 5.418 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 43473.5057
Standard deviation: 11.89990
R^2: 0.97505
Parameters:
a = 112.24475
b = 785.66633
c = 63.18013
d = 0.47696

Bead 3125

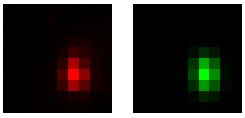
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

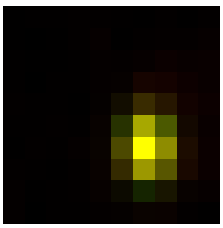
Coordinates : -73.7 um (x), -7.25 um (y), 63.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	394 nm	223 nm
max	535 nm	553 nm	223 nm
z	1.34 um	1.35 um	885 nm
Asymmetry	0.712		
Theta	-88.0°		

XY profile & fitting parameters :

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

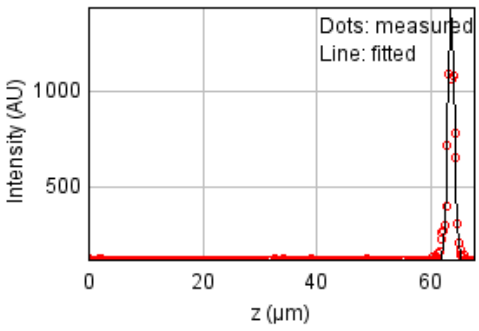




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1504.657 (brightness)
B = 127.327 (background)
a = 0.926 px
b = -0.016 px
c = 0.470 px
xc = 6.175 px
yc = 5.954 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 203982.204
Standard deviation: 25.77668
R^2: 0.97474
Parameters:
a = 114.53837
b = 1444.70417
c = 63.57730
d = 0.56904

Bead 3126

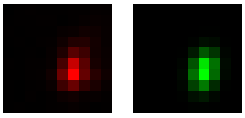
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

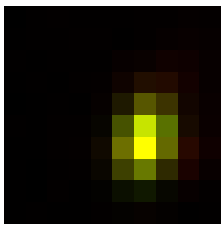
Coordinates : -11.0 um (x), -46.3 um (y), 63.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	404 nm	223 nm
max	571 nm	591 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.683		
Theta	78.2°		

XY profile & fitting parameters :

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

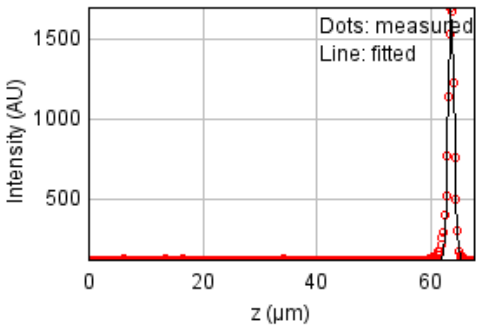




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 1541.345 (brightness)
B = 130.886 (background)
a = 0.861 px
b = 0.094 px
c = 0.431 px
xc = 6.024 px
yc = 5.630 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 103474.532
Standard deviation: 18.35894
R^2: 0.99009
Parameters:
a = 115.49487
b = 1699.90986
c = 63.58737
d = 0.52545

Bead 3127

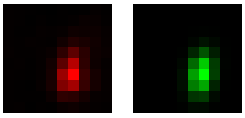
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

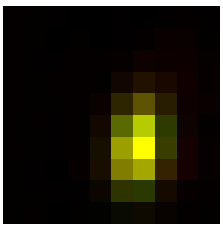
Coordinates : -14.1 um (x), -70.6 um (y), 63.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	387 nm	223 nm
max	652 nm	674 nm	223 nm
z	1.12 um	1.13 um	885 nm
Asymmetry	0.573		
Theta	81.8°		

XY profile & fitting parameters :

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

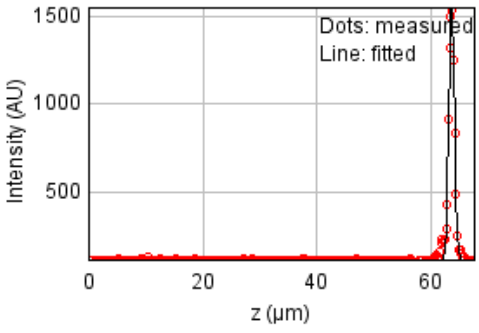




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1391.201 (brightness)
B = 128.435 (background)
a = 0.946 px
b = 0.091 px
c = 0.328 px
xc = 5.759 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: 78860.7984
Standard deviation: 16.02734
R^2: 0.99024
Parameters:
a = 115.07764
b = 1576.28782
c = 63.67908
d = 0.47728

Bead 3128

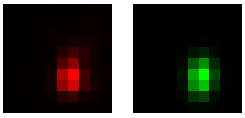
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

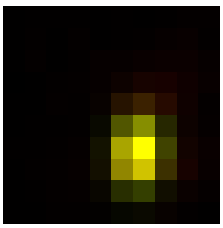
Coordinates : -29.5 um (x), -74.4 um (y), 63.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	400 nm	223 nm
max	560 nm	578 nm	223 nm
z	1.17 um	1.17 um	885 nm
Asymmetry	0.692		
Theta	86.1°		

XY profile & fitting parameters :

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

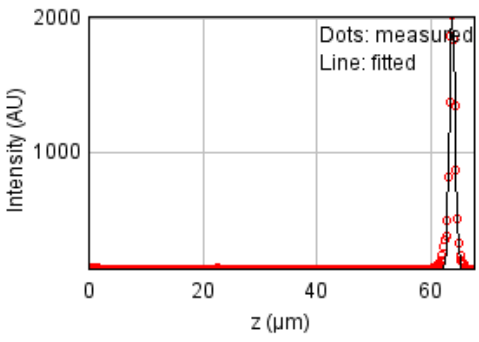




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 2063.762 (brightness)
B = 138.013 (background)
a = 0.893 px
b = 0.032 px
c = 0.431 px
xc = 5.739 px
yc = 6.205 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 124627.187
Standard deviation: 20.14824
R^2: 0.99122
Parameters:
a = 116.62090
b = 2017.71405
c = 63.79772
d = 0.49614

Bead 3129

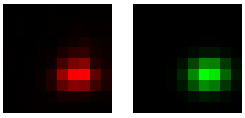
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

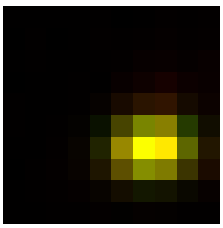
Coordinates : -138 um (x), -78.5 um (y), 64.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	464 nm	480 nm	223 nm
max	610 nm	631 nm	223 nm
z	1.2 um	1.21 um	885 nm
Asymmetry	0.761		
Theta	4.9°		

XY profile & fitting parameters :

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

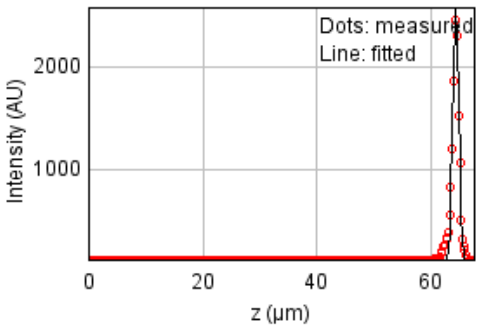




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 2729.799 (brightness)
B = 137.102 (background)
a = 0.362 px
b = 0.022 px
c = 0.621 px
xc = 6.367 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: 292874.881
Standard deviation: 30.88673
R^2: 0.98814
Parameters:
a = 116.36421
b = 2583.89612
c = 64.40615
d = 0.51122

Bead 3130 (Rejected)

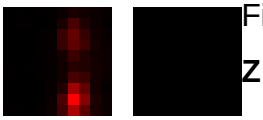
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -34.1 um (x), -79.4 um (y), 63.9 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	1.27 um	1.28 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

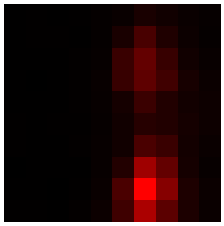
XY profile & fitting parameters :

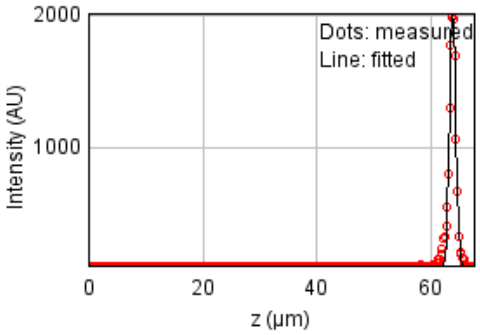
(red : the orignal data, green : the fit, yellow : the two merged)



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: 164476.915
Standard deviation: 23.14639
R^2: 0.98939
Parameters:
a = 116.42126
b = 2021.59130
c = 63.86009
d = 0.53965

Bead 3131

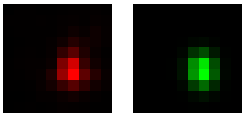
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

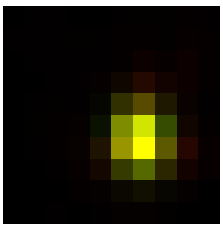
Coordinates : -38.8 um (x), -80.7 um (y), 64.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	518 nm	535 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.791		
Theta	-85.7°		

XY profile & fitting parameters :

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

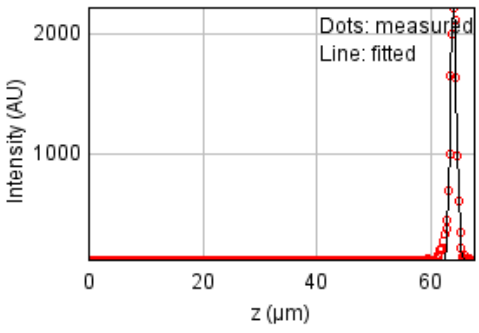




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 2196.496 (brightness)
B = 138.421 (background)
a = 0.799 px
b = -0.023 px
c = 0.502 px
xc = 5.827 px
yc = 5.603 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 178536.421
Standard deviation: 24.11539
R^2: 0.99057
Parameters:
a = 116.94391
b = 2224.98615
c = 64.01224
d = 0.53922

Bead 3132

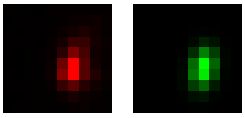
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

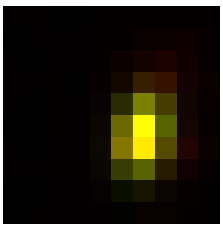
Coordinates : 11.6 um (x), -83.5 um (y), 63.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	378 nm	391 nm	223 nm
max	602 nm	622 nm	223 nm
z	1.32 um	1.32 um	885 nm
Asymmetry	0.628		
Theta	79.7°		

XY profile & fitting parameters :

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

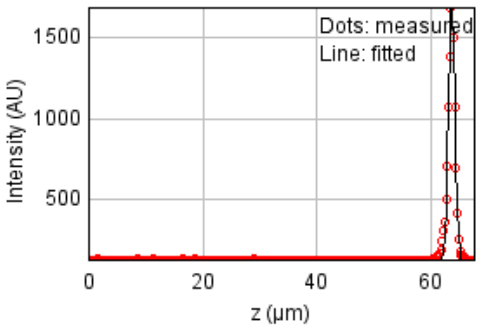




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 1689.018 (brightness)
B = 132.956 (background)
a = 0.921 px
b = 0.100 px
c = 0.388 px
xc = 5.941 px
yc = 5.403 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 79255.7221
Standard deviation: 16.06742
R^2: 0.99302
Parameters:
a = 115.76224
b = 1719.70107
c = 63.68975
d = 0.56029

Bead 3133

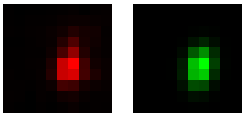
Date : Mon Oct 17 13:30:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

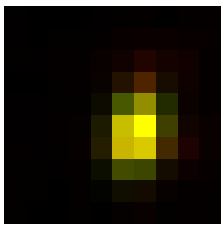
Coordinates : -19.7 um (x), -86.3 um (y), 63.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	406 nm	223 nm
max	585 nm	605 nm	223 nm
z	1.12 um	1.13 um	885 nm
Asymmetry	0.672		
Theta	78.7°		

XY profile & fitting parameters :

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

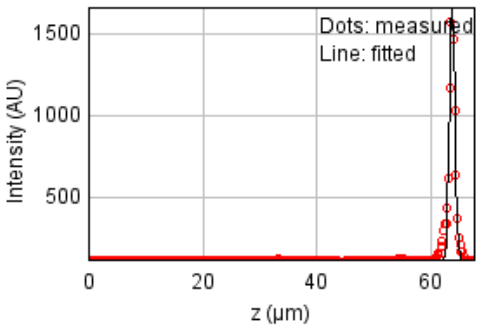




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 1821.020 (brightness)
B = 134.224 (background)
a = 0.852 px
b = 0.092 px
c = 0.411 px
xc = 5.644 px
yc = 5.292 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 157762.724
Standard deviation: 22.66903
R^2: 0.98277
Parameters:
a = 116.97255
b = 1666.31403
c = 63.77358
d = 0.47712

Bead 3134

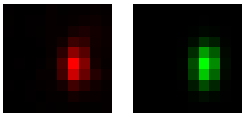
Date : Mon Oct 17 13:30:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

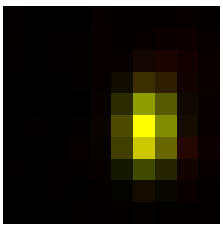
Coordinates : 34.4 um (x), -90.0 um (y), 63.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	394 nm	223 nm
max	603 nm	624 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.632		
Theta	86.9°		

XY profile & fitting parameters :

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

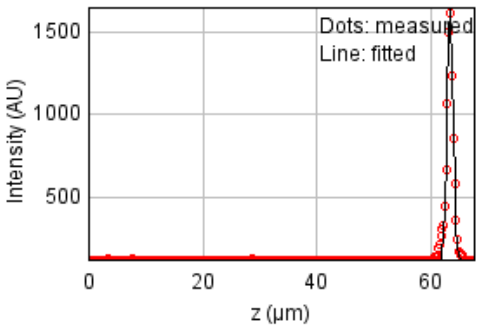




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1561.011 (brightness)
B = 133.401 (background)
a = 0.921 px
b = 0.030 px
c = 0.370 px
xc = 6.164 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: 99164.8083
Standard deviation: 17.97255
R^2: 0.99007
Parameters:
a = 115.45579
b = 1655.40876
c = 63.41026
d = 0.53207

Bead 3135

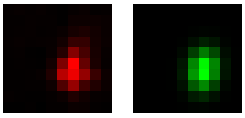
Date : Mon Oct 17 13:30:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

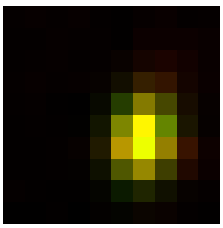
Coordinates : -9.25 um (x), -92.5 um (y), 63.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	465 nm	481 nm	223 nm
max	641 nm	662 nm	223 nm
z	1.54 um	1.55 um	885 nm
Asymmetry	0.726		
Theta	81.9°		

XY profile & fitting parameters :

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

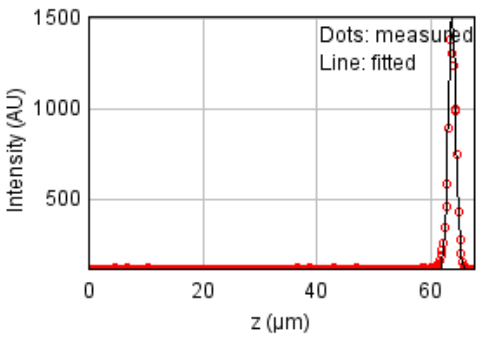




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 1358.754 (brightness)
B = 131.694 (background)
a = 0.614 px
b = 0.041 px
c = 0.333 px
xc = 5.960 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: 389156.450
Standard deviation: 35.60352
R^2: 0.96278
Parameters:
a = 113.82686
b = 1519.03493
c = 63.74301
d = 0.65527

Bead 3136

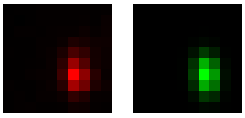
Date : Mon Oct 17 13:30:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

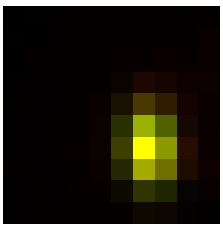
Coordinates : -46.4 um (x), -32.3 um (y), 63.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	386 nm	223 nm
max	593 nm	613 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.63		
Theta	-85.7°		

XY profile & fitting parameters :

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

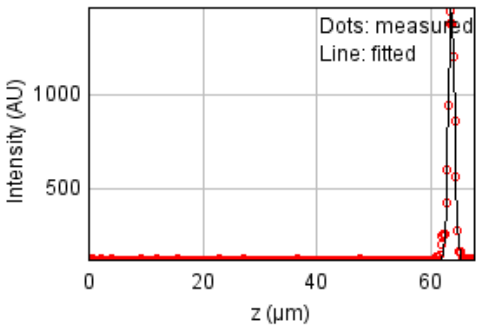




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

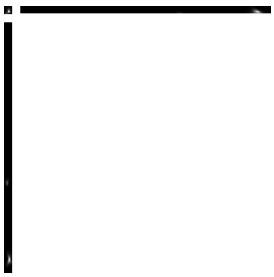
Parameters:
A = 1304.002 (brightness)
B = 128.070 (background)
a = 0.958 px
b = -0.043 px
c = 0.385 px
xc = 6.231 px
yc = 6.004 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66485.6952
Standard deviation: 14.71617
R^2: 0.99151
Parameters:
a = 114.71255
b = 1472.04787
c = 63.64396
d = 0.53821

Bead 3137



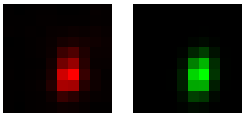
Date : Mon Oct 17 13:30:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

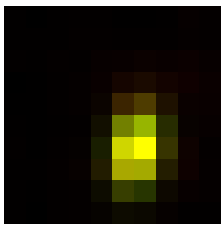
Coordinates : -46.9 um (x), -61.2 um (y), 63.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	607 nm	628 nm	223 nm
z	1.12 um	1.13 um	885 nm
Asymmetry	0.637		
Theta	81.0°		

XY profile & fitting parameters :

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

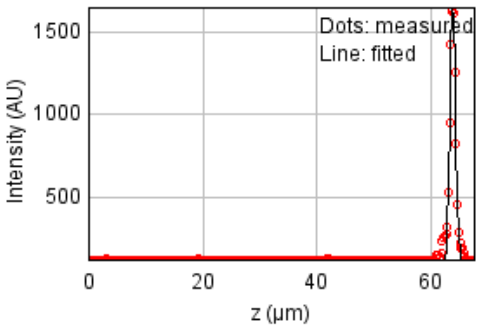




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1644.545 (brightness)
B = 129.068 (background)
a = 0.885 px
b = 0.083 px
c = 0.377 px
xc = 5.596 px
yc = 6.047 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 99948.8736
Standard deviation: 18.04346
R^2: 0.98896
Parameters:
a = 116.21377
b = 1663.38579
c = 63.87503
d = 0.47595

Bead 3138

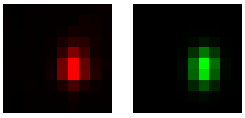
Date : Mon Oct 17 13:30:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

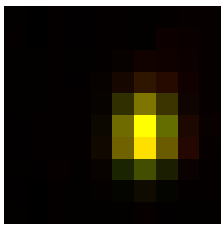
Coordinates : -30.8 um (x), -62.1 um (y), 63.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	407 nm	223 nm
max	541 nm	559 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.728		
Theta	86.8°		

XY profile & fitting parameters :

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

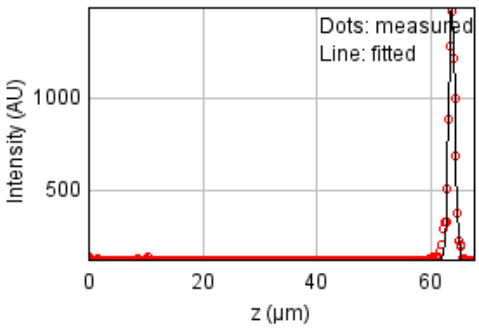




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 1485.519 (brightness)
B = 130.293 (background)
a = 0.864 px
b = 0.023 px
c = 0.460 px
xc = 5.995 px
yc = 5.355 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 90166.1509
Standard deviation: 17.13770
R^2: 0.98929
Parameters:
a = 114.96731
b = 1513.78418
c = 63.70826
d = 0.54374

Bead 3139

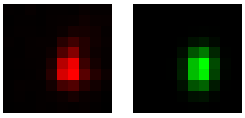
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

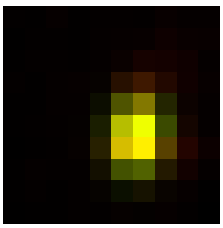
Coordinates : -23.8 um (x), -65.0 um (y), 63.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	417 nm	432 nm	223 nm
max	571 nm	591 nm	223 nm
z	1.3 um	1.3 um	885 nm
Asymmetry	0.731		
Theta	85.4°		

XY profile & fitting parameters :

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

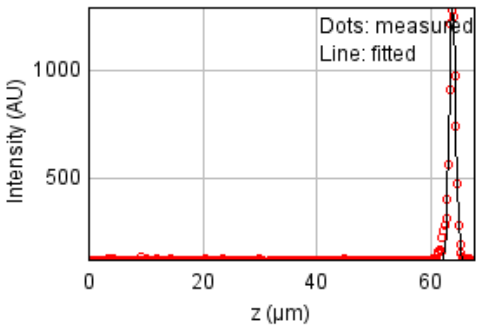




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 1351.988 (brightness)
B = 128.884 (background)
a = 0.768 px
b = 0.028 px
c = 0.413 px
xc = 5.676 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: 72306.6175
Standard deviation: 15.34687
R^2: 0.98818
Parameters:
a = 115.35762
b = 1298.64246
c = 63.83178
d = 0.55161

Bead 3140

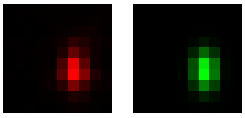
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

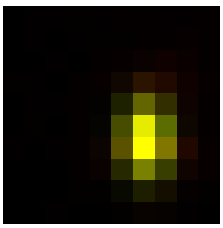
Coordinates : -39.8 um (x), -66.4 um (y), 63.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	376 nm	388 nm	223 nm
max	590 nm	610 nm	223 nm
z	1.47 um	1.47 um	885 nm
Asymmetry	0.637		
Theta	-89.2°		

XY profile & fitting parameters :

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

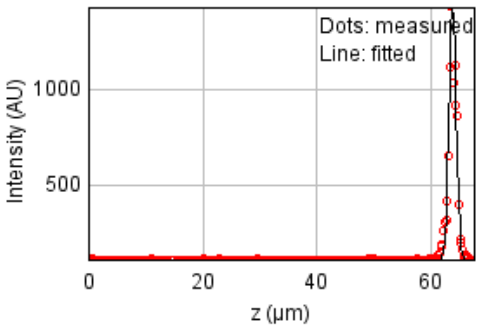




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

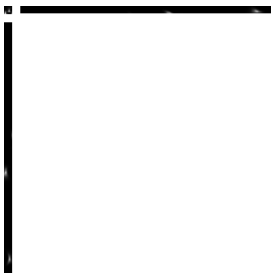
Parameters:
A = 1625.419 (brightness)
B = 130.107 (background)
a = 0.950 px
b = -0.008 px
c = 0.385 px
xc = 6.095 px
yc = 5.604 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 335271.318
Standard deviation: 33.04677
R^2: 0.96135
Parameters:
a = 114.08835
b = 1424.29445
c = 63.84901
d = 0.62324

Bead 3141 (Rejected)



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

Coordinates : -8.58 um (x), -69.1 um (y), 40.4 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

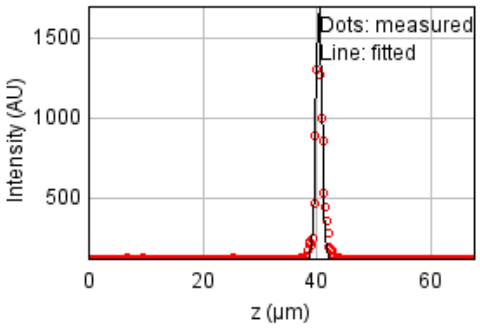
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

XY profile & fitting parameters :

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

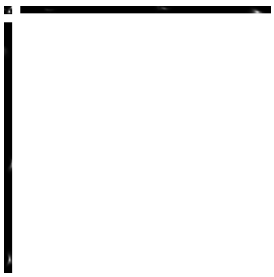
Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)

Z profile & fitting parameters:



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

Bead 3142



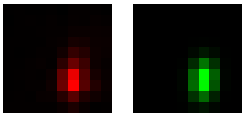
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

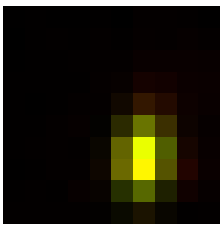
Coordinates : -29.3 um (x), -71.4 um (y), 63.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	372 nm	384 nm	223 nm
max	571 nm	590 nm	223 nm
z	1.3 um	1.31 um	885 nm
Asymmetry	0.651		
Theta	85.6°		

XY profile & fitting parameters :

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

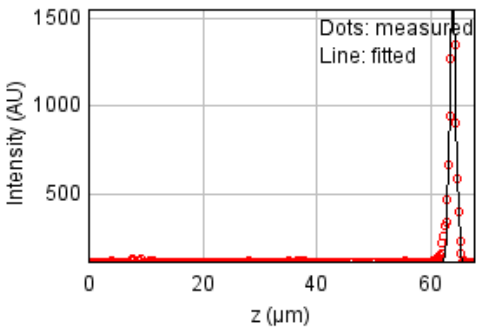




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 1516.556 (brightness)
B = 131.140 (background)
a = 0.967 px
b = 0.043 px
c = 0.415 px
xc = 5.964 px
yc = 6.459 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 117330.131
Standard deviation: 19.54950
R^2: 0.98728
Parameters:
a = 116.92647
b = 1566.70040
c = 63.89357
d = 0.55397

Bead 3143

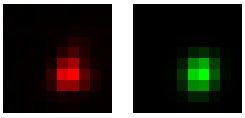
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

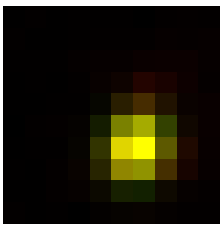
Coordinates : -28.0 um (x), -79.9 um (y), 63.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	461 nm	476 nm	223 nm
max	537 nm	555 nm	223 nm
z	1.16 um	1.17 um	885 nm
Asymmetry	0.858		
Theta	72.8°		

XY profile & fitting parameters :

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

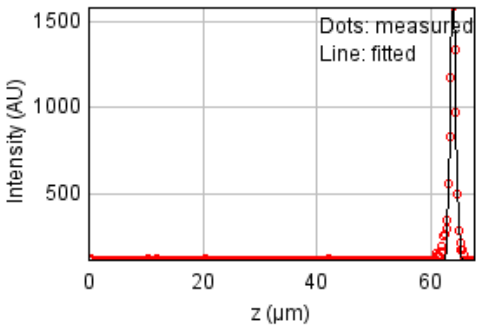




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

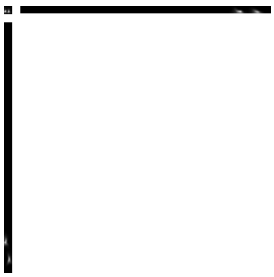
Parameters:
A = 1584.964 (brightness)
B = 126.949 (background)
a = 0.618 px
b = 0.047 px
c = 0.480 px
xc = 5.651 px
yc = 5.955 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 117890.343
Standard deviation: 19.59611
R^2: 0.98644
Parameters:
a = 115.05873
b = 1602.17015
c = 63.92812
d = 0.49422

Bead 3144



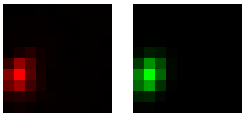
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

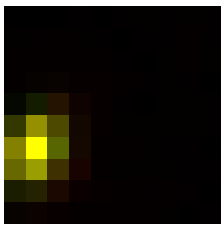
Coordinates : -110 um (x), -43.1 um (y), 59.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	531 nm	549 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.745		
Theta	68.3°		

XY profile & fitting parameters :

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

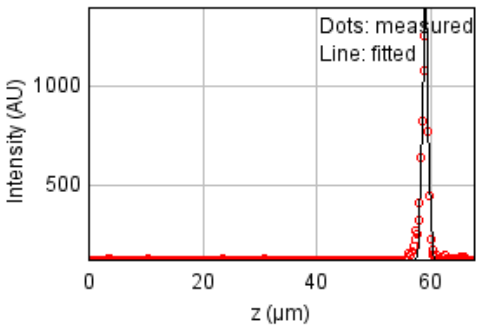




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1331.625 (brightness)
B = 119.809 (background)
a = 0.804 px
b = 0.131 px
c = 0.527 px
xc = 0.915 px
yc = 6.066 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 245834.262
Standard deviation: 28.29776
R^2: 0.96606
Parameters:
a = 115.57071
b = 1425.14114
c = 59.07415
d = 0.52069

Bead 3145

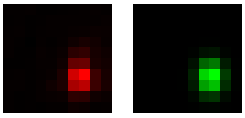
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

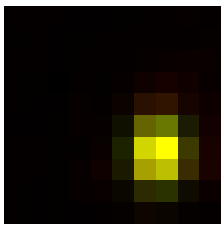
Coordinates : -147 um (x), -46.9 um (y), 64.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	415 nm	223 nm
max	506 nm	523 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.792		
Theta	90.0°		

XY profile & fitting parameters :

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

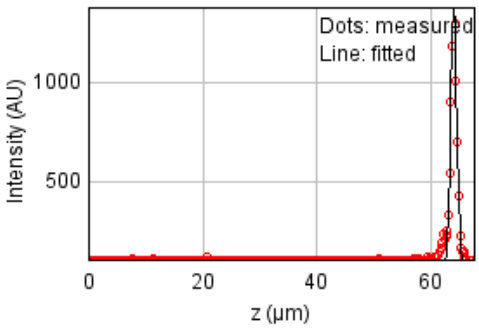




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1495.257 (brightness)
B = 124.839 (background)
a = 0.834 px
b = 0.000 px
c = 0.523 px
xc = 6.609 px
yc = 6.226 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 78658.0460
Standard deviation: 16.00672
R^2: 0.98764
Parameters:
a = 113.52035
b = 1374.84072
c = 64.06222
d = 0.50356

Bead 3146

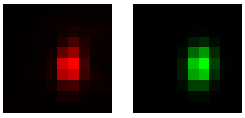
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

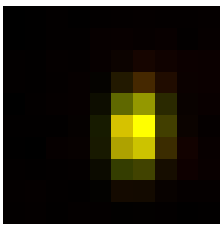
Coordinates : -51.8 um (x), -54.6 um (y), 63.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	412 nm	223 nm
max	584 nm	604 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.682		
Theta	83.8°		

XY profile & fitting parameters :

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

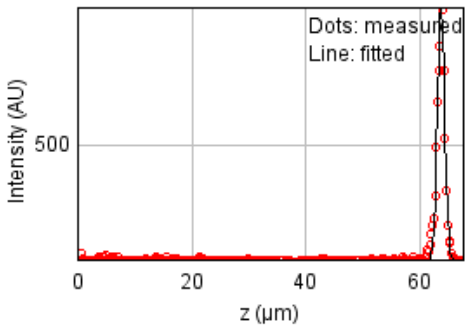




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 1271.826 (brightness)
B = 126.648 (background)
a = 0.838 px
b = 0.048 px
c = 0.398 px
xc = 5.655 px
yc = 5.198 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61490.0221
Standard deviation: 14.15250
R^2: 0.98302
Parameters:
a = 113.89536
b = 966.46972
c = 63.74842
d = 0.62870

Bead 3147

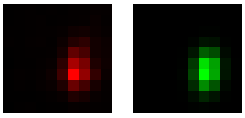
Date : Mon Oct 17 13:30:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

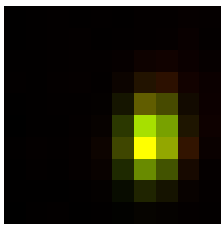
Coordinates : -135 um (x), -55.4 um (y), 64.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	407 nm	223 nm
max	604 nm	624 nm	223 nm
z	1.52 um	1.53 um	885 nm
Asymmetry	0.652		
Theta	84.6°		

XY profile & fitting parameters :

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

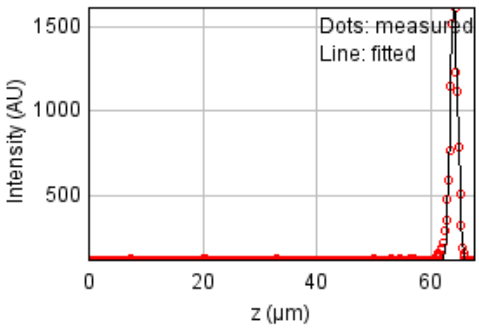




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

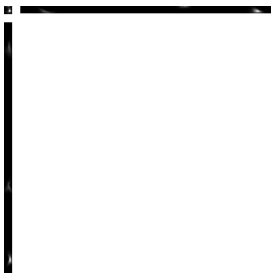
Parameters:
A = 1607.087 (brightness)
B = 134.415 (background)
a = 0.863 px
b = 0.047 px
c = 0.373 px
xc = 6.273 px
yc = 5.644 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 305493.858
Standard deviation: 31.54511
R^2: 0.97415
Parameters:
a = 113.97495
b = 1625.41879
c = 64.09699
d = 0.64733

Bead 3148



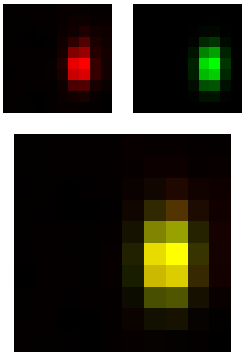
Date : Mon Oct 17 13:30:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -47.2 um (x), -63.8 um (y), 63.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	405 nm	223 nm
max	631 nm	652 nm	223 nm
z	1.13 um	1.13 um	885 nm
Asymmetry	0.621		
Theta	87.7°		

XY profile & fitting parameters :

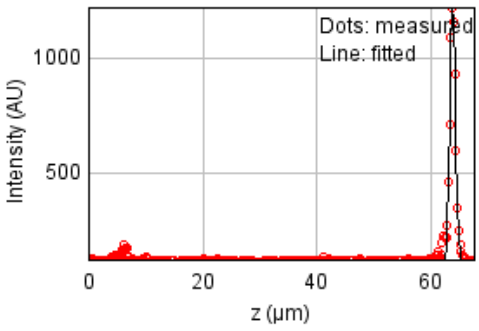
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1325.572 (brightness)
B = 122.739 (background)
a = 0.873 px
b = 0.022 px
c = 0.338 px
xc = 6.583 px
yc = 5.210 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 79812.1196
Standard deviation: 16.12372
R^2: 0.98316
Parameters:
a = 118.04277
b = 1231.61802
c = 63.85874
d = 0.47824

Bead 3149

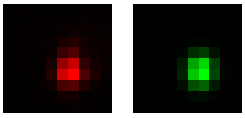
Date : Mon Oct 17 13:30:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

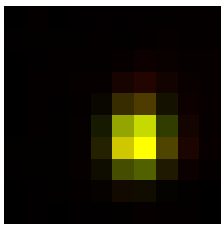
Coordinates : -54.6 um (x), -66.4 um (y), 64.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	429 nm	223 nm
max	486 nm	503 nm	223 nm
z	1.18 um	1.18 um	885 nm
Asymmetry	0.854		
Theta	85.8°		

XY profile & fitting parameters :

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

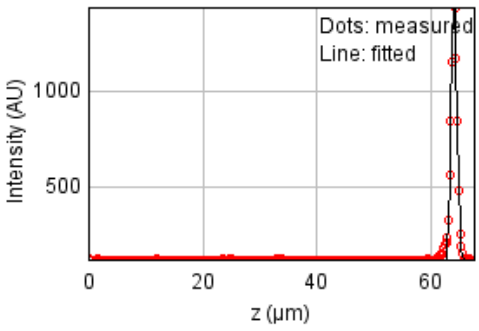




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1519.205 (brightness)
B = 124.803 (background)
a = 0.777 px
b = 0.015 px
c = 0.569 px
xc = 5.667 px
yc = 5.654 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41172.7950
Standard deviation: 11.58073
R^2: 0.99428
Parameters:
a = 113.84188
b = 1462.86180
c = 64.11773
d = 0.50094

Bead 3150

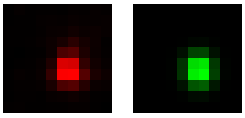
Date : Mon Oct 17 13:30:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

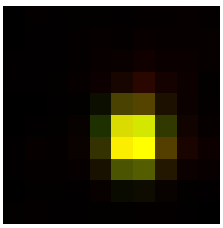
Coordinates : -41.9 um (x), -71.4 um (y), 64.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	426 nm	441 nm	223 nm
max	491 nm	507 nm	223 nm
z	1.32 um	1.33 um	885 nm
Asymmetry	0.869		
Theta	-86.6°		

XY profile & fitting parameters :

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

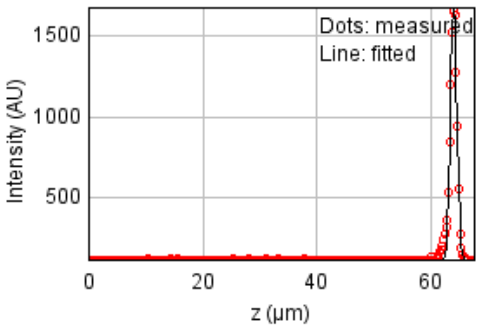




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1929.496 (brightness)
B = 132.551 (background)
a = 0.737 px
b = -0.011 px
c = 0.558 px
xc = 5.544 px
yc = 5.583 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 90866.1901
Standard deviation: 17.20410
R^2: 0.99153
Parameters:
a = 115.16115
b = 1671.76904
c = 64.03516
d = 0.56138

Bead 3151

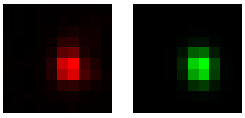
Date : Mon Oct 17 13:30:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

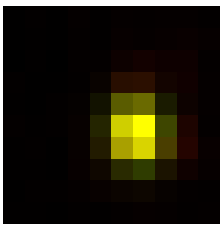
Coordinates : -90.9 um (x), -75.3 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	435 nm	223 nm
max	502 nm	519 nm	223 nm
z	1.17 um	1.17 um	885 nm
Asymmetry	0.838		
Theta	-81.5°		

XY profile & fitting parameters :

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

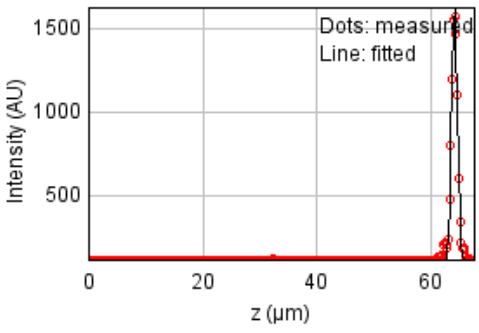




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

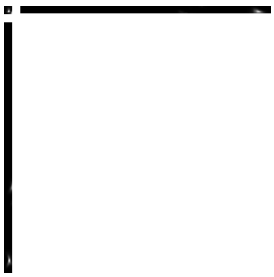
Parameters:
A = 1666.120 (brightness)
B = 133.866 (background)
a = 0.753 px
b = -0.033 px
c = 0.537 px
xc = 5.653 px
yc = 5.301 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 62980.0113
Standard deviation: 14.32294
R^2: 0.99298
Parameters:
a = 114.75916
b = 1628.90998
c = 64.19822
d = 0.49526

Bead 3152



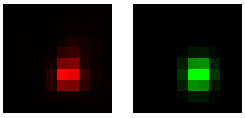
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

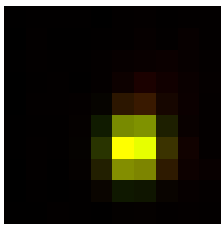
Coordinates : -74.3 um (x), -77.2 um (y), 64.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	410 nm	423 nm	223 nm
max	474 nm	490 nm	223 nm
z	1.47 um	1.48 um	885 nm
Asymmetry	0.865		
Theta	81.9°		

XY profile & fitting parameters :

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

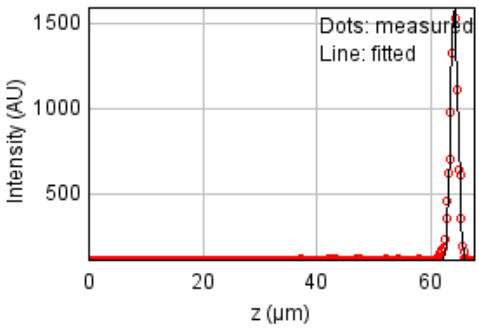




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 1734.181 (brightness)
B = 129.516 (background)
a = 0.796 px
b = 0.028 px
c = 0.602 px
xc = 5.497 px
yc = 5.987 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 163838.554
Standard deviation: 23.10143
R^2: 0.98511
Parameters:
a = 113.93739
b = 1605.83895
c = 64.14408
d = 0.62484

Bead 3153

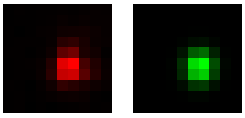
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

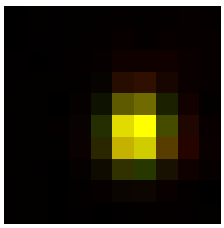
Coordinates : -89.4 um (x), -77.9 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	442 nm	456 nm	223 nm
max	497 nm	513 nm	223 nm
z	1.17 um	1.17 um	885 nm
Asymmetry	0.889		
Theta	86.4°		

XY profile & fitting parameters :

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

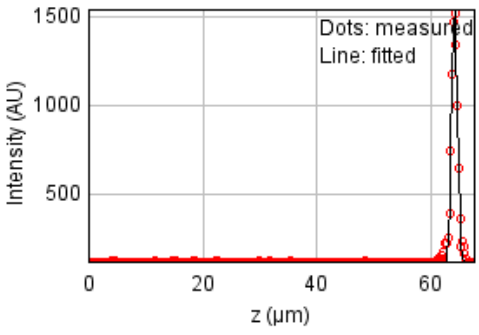




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 1646.902 (brightness)
B = 129.747 (background)
a = 0.688 px
b = 0.009 px
c = 0.545 px
xc = 5.610 px
yc = 5.303 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 72571.6329
Standard deviation: 15.37497
R^2: 0.99091
Parameters:
a = 115.13420
b = 1539.43932
c = 64.19860
d = 0.49677

Bead 3154

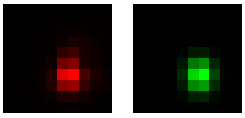
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

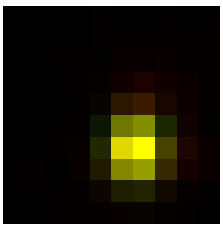
Coordinates : -80.4 um (x), -78.6 um (y), 64.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	434 nm	223 nm
max	502 nm	519 nm	223 nm
z	1.11 um	1.11 um	885 nm
Asymmetry	0.837		
Theta	89.1°		

XY profile & fitting parameters :

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

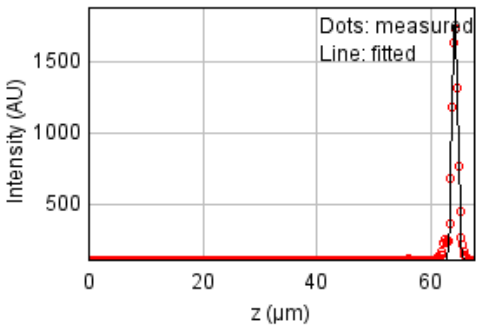




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 1947.480 (brightness)
B = 138.840 (background)
a = 0.761 px
b = 0.004 px
c = 0.533 px
xc = 5.613 px
yc = 6.051 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 106603.471
Standard deviation: 18.63445
R^2: 0.99081
Parameters:
a = 115.20377
b = 1879.07689
c = 64.26701
d = 0.47033

Bead 3155

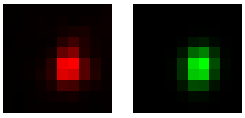
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

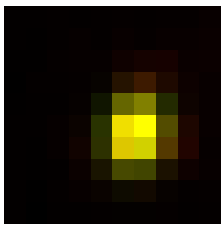
Coordinates : -107 um (x), -79.3 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	444 nm	459 nm	223 nm
max	553 nm	572 nm	223 nm
z	1.1 um	1.1 um	885 nm
Asymmetry	0.802		
Theta	79.1°		

XY profile & fitting parameters :

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

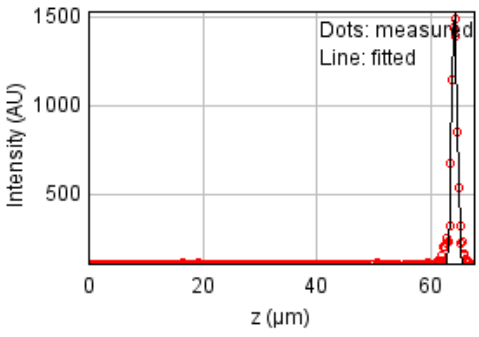




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

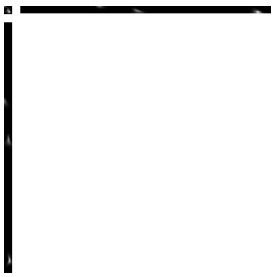
Parameters:
A = 1623.164 (brightness)
B = 128.692 (background)
a = 0.673 px
b = 0.045 px
c = 0.447 px
xc = 5.581 px
yc = 5.314 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 113718.594
Standard deviation: 19.24627
R^2: 0.98477
Parameters:
a = 115.31290
b = 1532.96917
c = 64.19299
d = 0.46548

Bead 3156



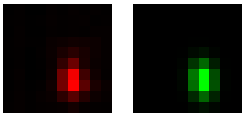
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

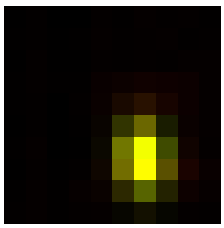
Coordinates : -42.5 um (x), -87.9 um (y), 64.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	366 nm	378 nm	223 nm
max	543 nm	562 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.674		
Theta	-86.0°		

XY profile & fitting parameters :

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

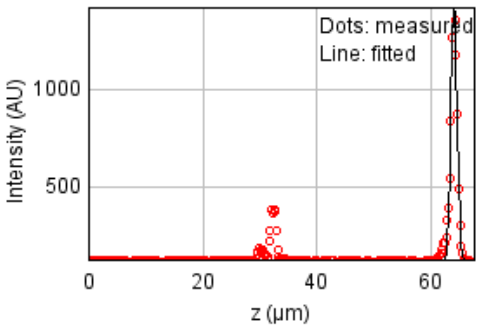




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1455.067 (brightness)
B = 127.530 (background)
a = 0.999 px
b = -0.039 px
c = 0.457 px
xc = 5.901 px
yc = 6.481 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 441407.815
Standard deviation: 37.91847
R^2: 0.94147
Parameters:
a = 123.80043
b = 1439.43786
c = 64.10520
d = 0.52351

Bead 3157 (Rejected)

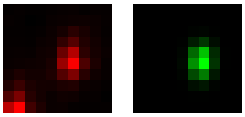
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

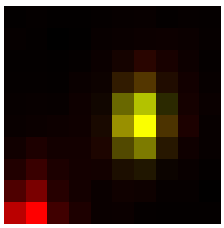
Coordinates : -139 um (x), -88.0 um (y), 64.3 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	350 nm	362 nm	223 nm
max	516 nm	534 nm	223 nm
z	1.61 um	1.62 um	885 nm
Asymmetry	0.678		
Theta	87.4°		

XY profile & fitting parameters :

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

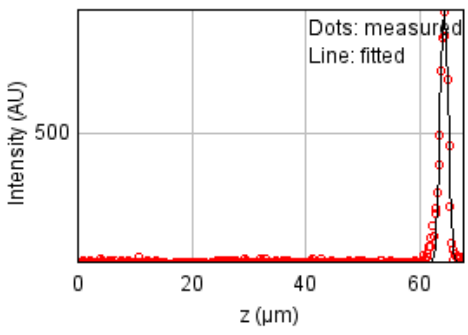




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.570

Parameters:
A = 1377.754 (brightness)
B = 200.942 (background)
a = 1.093 px
b = 0.026 px
c = 0.505 px
xc = 5.767 px
yc = 4.787 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 94052.2901
Standard deviation: 17.50312
R^2: 0.97019
Parameters:
a = 112.23957
b = 871.04885
c = 64.30231
d = 0.68430

Bead 3158 (Rejected)

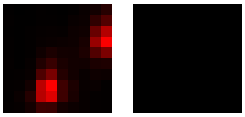
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

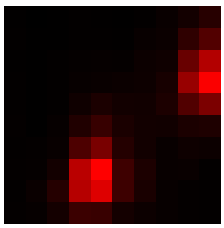
Coordinates : -140 um (x), -88.8 um (y), 64.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	457 nm	472 nm	223 nm
max	2.38 um	2.46 um	223 nm
z	1.21 um	1.22 um	885 nm
Asymmetry	0.192		
Theta	0.0°		

XY profile & fitting parameters :

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

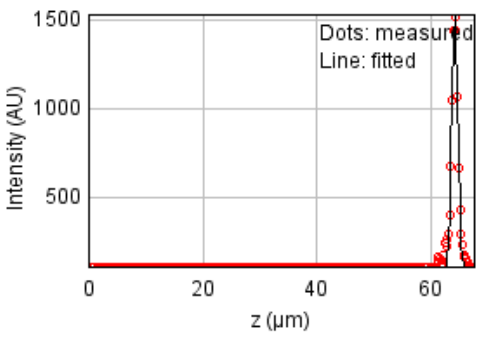




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.501

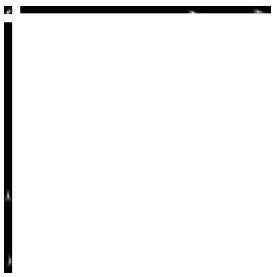
Parameters:
A = 431.998 (brightness)
B = 141.214 (background)
a = 0.291 px
b = 0.333 px
c = 0.329 px
xc = 4.660 px
yc = 6.816 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 104891.184
Standard deviation: 18.48418
R^2: 0.98711
Parameters:
a = 114.94720
b = 1526.46517
c = 64.24306
d = 0.51424

Bead 3159



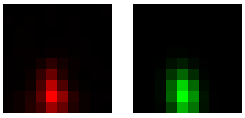
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -71.0 um (x), -89.1 um (y), 46.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	433 nm	223 nm
max	706 nm	730 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.593		
Theta	-82.0°		

XY profile & fitting parameters :

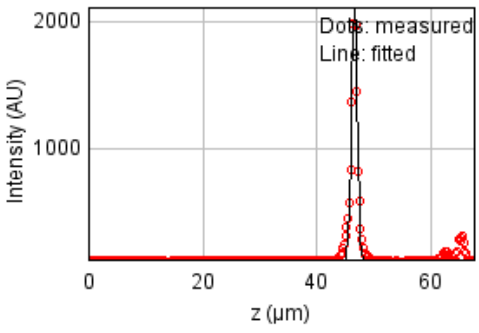
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1905.844 (brightness)
B = 129.994 (background)
a = 0.755 px
b = -0.069 px
c = 0.279 px
xc = 4.111 px
yc = 7.874 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 448223.189
Standard deviation: 38.21008
R^2: 0.97227
Parameters:
a = 123.76859
b = 2116.06567
c = 46.64148
d = 0.50486

Bead 3160

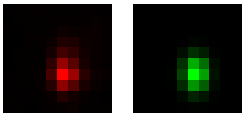
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

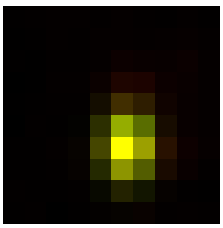
Coordinates : -50.5 um (x), -90.0 um (y), 64.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	537 nm	555 nm	223 nm
z	1.4 um	1.41 um	885 nm
Asymmetry	0.726		
Theta	-90.0°		

XY profile & fitting parameters :

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

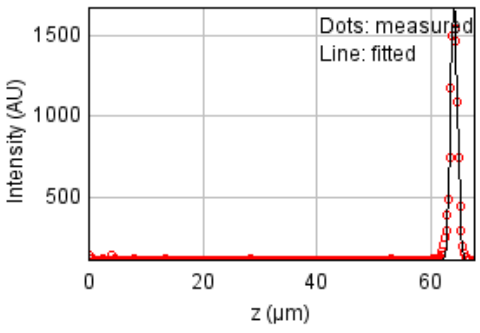




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 1619.522 (brightness)
B = 134.888 (background)
a = 0.883 px
b = -0.000 px
c = 0.466 px
xc = 5.235 px
yc = 5.917 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 83681.9674
Standard deviation: 16.50999
R^2: 0.99275
Parameters:
a = 115.06939
b = 1683.92223
c = 64.10144
d = 0.59617

Bead 3161 (Rejected)

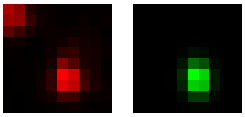
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

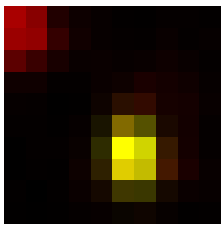
Coordinates : -108 um (x), -90.5 um (y), 64.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	370 nm	382 nm	223 nm
max	497 nm	514 nm	223 nm
z	1.52 um	1.53 um	885 nm
Asymmetry	0.744		
Theta	-83.9°		

XY profile & fitting parameters :

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

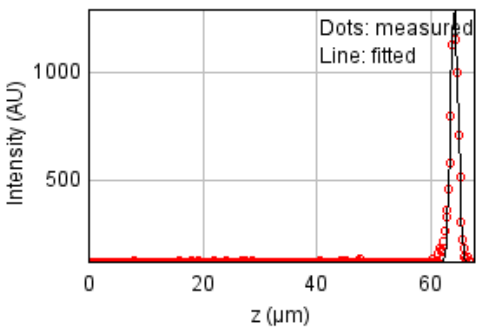




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.654

Parameters:
A = 1437.977 (brightness)
B = 190.562 (background)
a = 0.977 px
b = -0.047 px
c = 0.548 px
xc = 5.420 px
yc = 6.334 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 88878.8544
Standard deviation: 17.01492
R^2: 0.98757
Parameters:
a = 114.33590
b = 1299.03969
c = 64.16830
d = 0.64612

Bead 3162

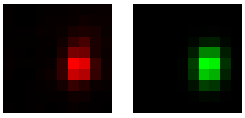
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

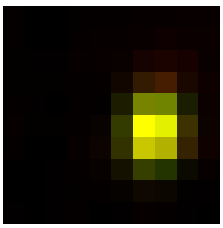
Coordinates : -105 um (x), -92.7 um (y), 64.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	433 nm	223 nm
max	544 nm	563 nm	223 nm
z	1.55 um	1.56 um	885 nm
Asymmetry	0.77		
Theta	84.2°		

XY profile & fitting parameters :

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

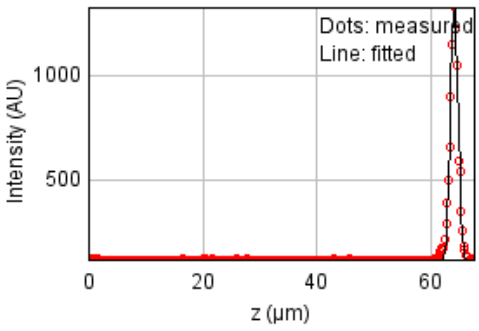




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 1440.041 (brightness)
B = 128.485 (background)
a = 0.761 px
b = 0.031 px
c = 0.456 px
xc = 6.453 px
yc = 5.199 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 70924.1163
Standard deviation: 15.19945
R^2: 0.99091
Parameters:
a = 113.40754
b = 1342.28885
c = 64.14834
d = 0.65825

Bead 3163

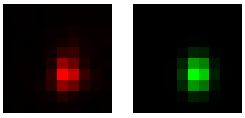
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

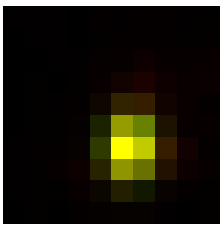
Coordinates : -114 um (x), -94.6 um (y), 64.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	510 nm	527 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.775		
Theta	86.8°		

XY profile & fitting parameters :

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

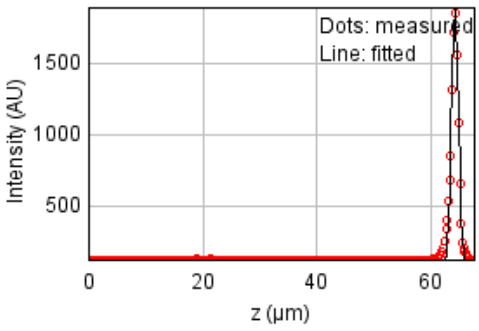




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 1918.920 (brightness)
B = 139.797 (background)
a = 0.856 px
b = 0.019 px
c = 0.517 px
xc = 5.366 px
yc = 5.963 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 182485.674
Standard deviation: 24.38065
R^2: 0.98763
Parameters:
a = 114.75696
b = 1901.54313
c = 64.27107
d = 0.58447

Bead 3164

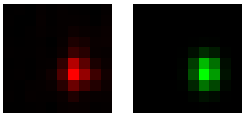
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

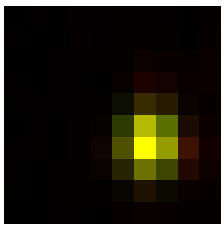
Coordinates : -75.0 um (x), -72.3 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	417 nm	223 nm
max	487 nm	504 nm	223 nm
z	1.36 um	1.36 um	885 nm
Asymmetry	0.828		
Theta	-89.2°		

XY profile & fitting parameters :

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

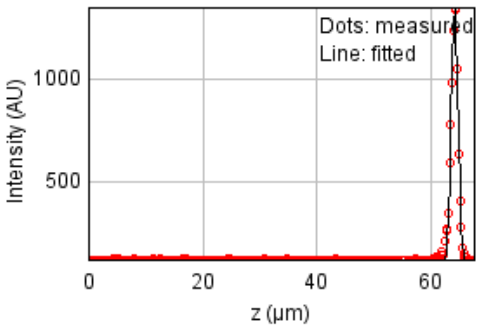




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 1242.223 (brightness)
B = 126.915 (background)
a = 0.824 px
b = -0.004 px
c = 0.566 px
xc = 6.199 px
yc = 5.790 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 80086.5159
Standard deviation: 16.15141
R^2: 0.98859
Parameters:
a = 113.88544
b = 1356.28008
c = 64.21152
d = 0.57548

Bead 3165

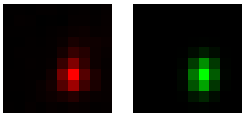
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

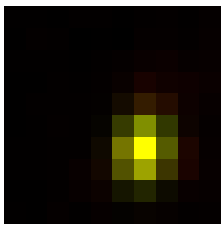
Coordinates : -124 um (x), -73.9 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	396 nm	223 nm
max	513 nm	530 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.748		
Theta	83.1°		

XY profile & fitting parameters :

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

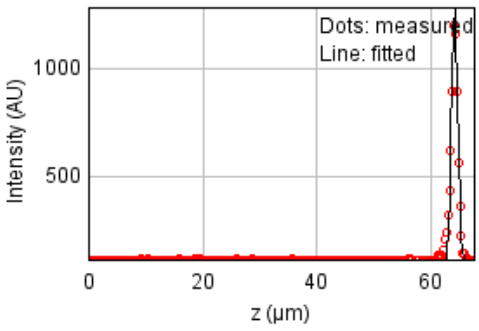




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 1188.866 (brightness)
B = 124.791 (background)
a = 0.907 px
b = 0.048 px
c = 0.516 px
xc = 5.927 px
yc = 6.072 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66199.2122
Standard deviation: 14.68443
R^2: 0.98832
Parameters:
a = 113.22476
b = 1282.82162
c = 64.21499
d = 0.52242

Bead 3166

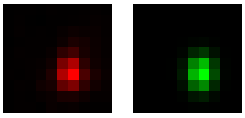
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

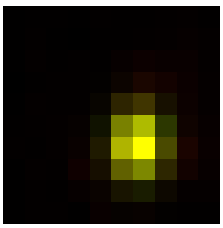
Coordinates : -148 um (x), -79.4 um (y), 64.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	410 nm	424 nm	223 nm
max	533 nm	550 nm	223 nm
z	1.21 um	1.21 um	885 nm
Asymmetry	0.771		
Theta	88.3°		

XY profile & fitting parameters :

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

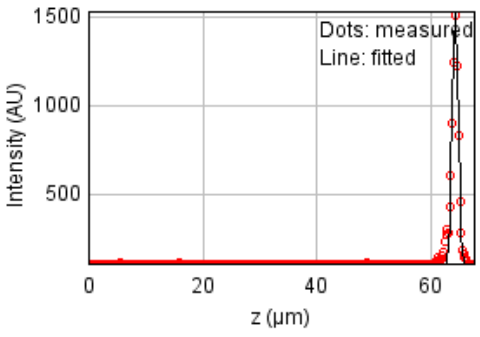




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1536.095 (brightness)
B = 128.794 (background)
a = 0.797 px
b = 0.010 px
c = 0.474 px
xc = 5.723 px
yc = 5.835 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 130481.729
Standard deviation: 20.61606
R^2: 0.98440
Parameters:
a = 113.16690
b = 1545.28055
c = 64.31443
d = 0.51207

Bead 3167

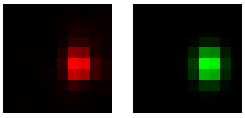
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

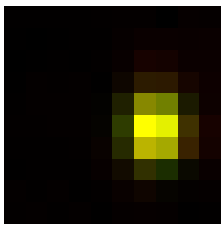
Coordinates : -115 um (x), -81.4 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	434 nm	223 nm
max	523 nm	540 nm	223 nm
z	1.44 um	1.45 um	885 nm
Asymmetry	0.803		
Theta	89.8°		

XY profile & fitting parameters :

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

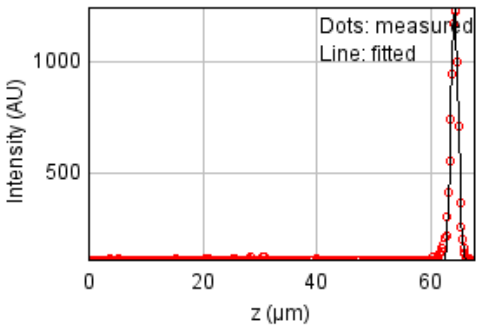




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

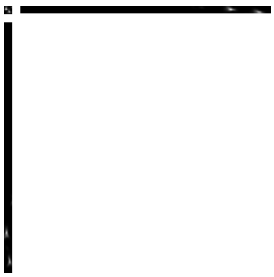
Parameters:
A = 1287.339 (brightness)
B = 124.998 (background)
a = 0.761 px
b = 0.001 px
c = 0.491 px
xc = 6.458 px
yc = 5.143 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 72499.1071
Standard deviation: 15.36728
R^2: 0.98831
Parameters:
a = 113.35118
b = 1245.33436
c = 64.20577
d = 0.61351

Bead 3168



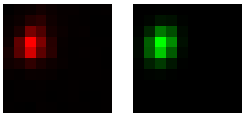
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

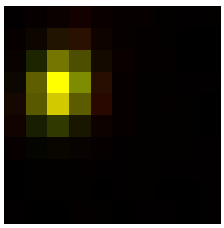
Coordinates : -151 um (x), -83.4 um (y), 56.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	529 nm	547 nm	223 nm
z	1.36 um	1.37 um	885 nm
Asymmetry	0.76		
Theta	73.8°		

XY profile & fitting parameters :

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

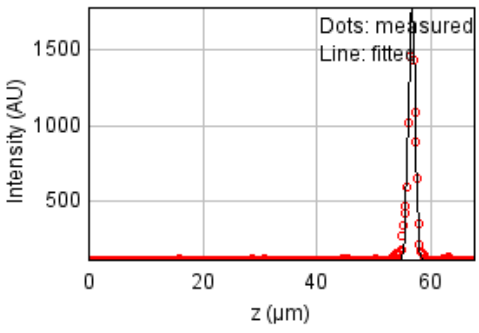




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

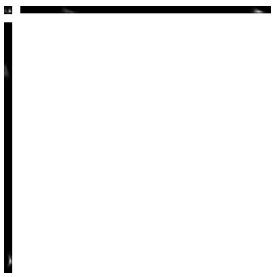
Parameters:
A = 1854.092 (brightness)
B = 131.296 (background)
a = 0.803 px
b = 0.094 px
c = 0.507 px
xc = 2.096 px
yc = 3.244 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 237081.809
Standard deviation: 27.78945
R^2: 0.98157
Parameters:
a = 114.99414
b = 1786.96977
c = 56.68495
d = 0.57810

Bead 3169



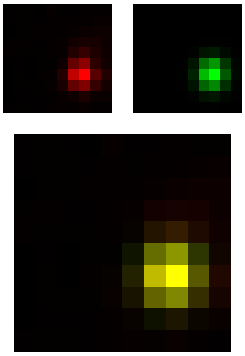
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -79.9 um (x), -84.0 um (y), 64.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	441 nm	456 nm	223 nm
max	479 nm	495 nm	223 nm
z	1.22 um	1.23 um	885 nm
Asymmetry	0.92		
Theta	85.7°		

XY profile & fitting parameters :

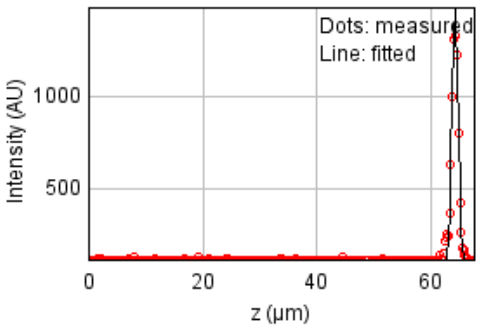
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1420.099 (brightness)
B = 128.054 (background)
a = 0.690 px
b = 0.008 px
c = 0.585 px
xc = 6.729 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: 73200.0540
Standard deviation: 15.44139
R^2: 0.99051
Parameters:
a = 114.94928
b = 1484.24352
c = 64.28506
d = 0.51974

Bead 3170

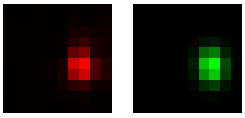
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

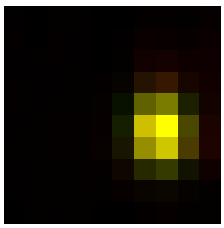
Coordinates : -97.5 um (x), -84.1 um (y), 64.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	428 nm	223 nm
max	525 nm	543 nm	223 nm
z	1.22 um	1.22 um	885 nm
Asymmetry	0.788		
Theta	-84.9°		

XY profile & fitting parameters :

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

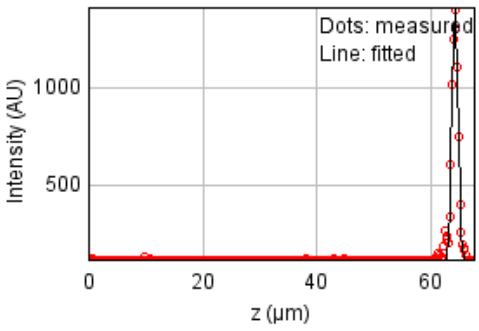




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1448.349 (brightness)
B = 124.409 (background)
a = 0.780 px
b = -0.026 px
c = 0.488 px
xc = 6.691 px
yc = 5.229 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 82264.2837
Standard deviation: 16.36954
R^2: 0.98820
Parameters:
a = 114.22924
b = 1419.03244
c = 64.27530
d = 0.51622

Bead 3171

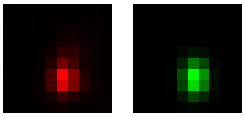
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

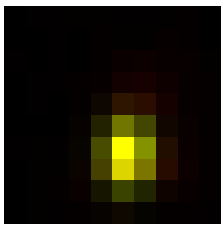
Coordinates : -76.7 um (x), -86.7 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	531 nm	549 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.732		
Theta	87.5°		

XY profile & fitting parameters :

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

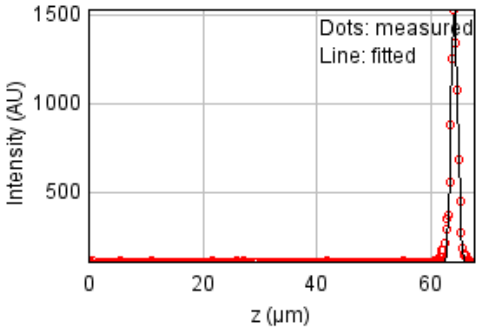




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 1505.431 (brightness)
B = 131.341 (background)
a = 0.888 px
b = 0.018 px
c = 0.477 px
xc = 5.179 px
yc = 6.302 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 84254.9300
Standard deviation: 16.56641
R^2: 0.99068
Parameters:
a = 113.90239
b = 1535.81350
c = 64.16920
d = 0.56645

Bead 3172

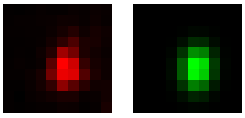
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

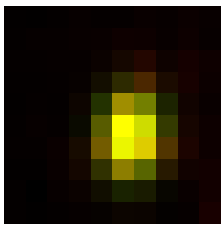
Coordinates : -109 um (x), -89.2 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	478 nm	494 nm	223 nm
max	656 nm	678 nm	223 nm
z	1.81 um	1.82 um	885 nm
Asymmetry	0.73		
Theta	86.4°		

XY profile & fitting parameters :

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

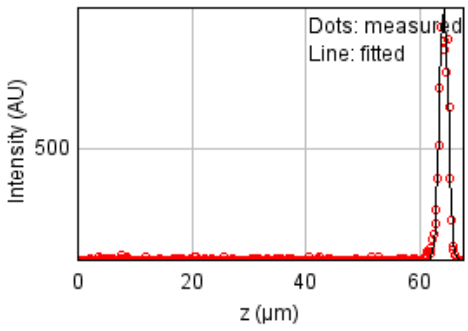




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

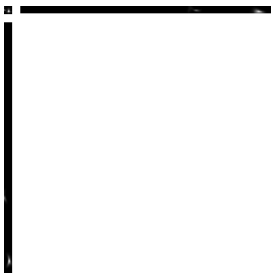
Parameters:
A = 892.271 (brightness)
B = 123.523 (background)
a = 0.585 px
b = 0.017 px
c = 0.313 px
xc = 5.359 px
yc = 5.416 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 124483.730
Standard deviation: 20.13664
R^2: 0.97334
Parameters:
a = 112.71829
b = 987.48065
c = 64.23588
d = 0.76793

Bead 3173



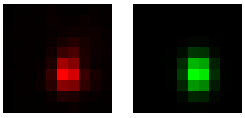
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

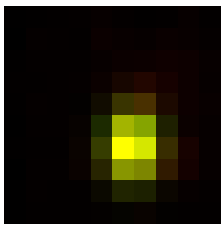
Coordinates : -84.4 um (x), -92.4 um (y), 64.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	417 nm	431 nm	223 nm
max	551 nm	569 nm	223 nm
z	1.59 um	1.6 um	885 nm
Asymmetry	0.757		
Theta	89.3°		

XY profile & fitting parameters :

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

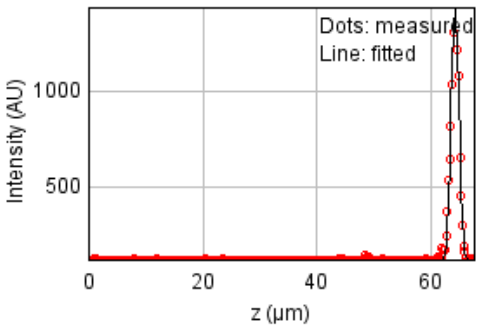




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 1433.060 (brightness)
B = 135.103 (background)
a = 0.772 px
b = 0.004 px
c = 0.443 px
xc = 5.434 px
yc = 5.892 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 83151.8969
Standard deviation: 16.45761
R^2: 0.99109
Parameters:
a = 114.25846
b = 1441.77681
c = 64.28416
d = 0.67558

Bead 3174

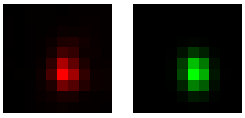
Date : Mon Oct 17 13:30:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

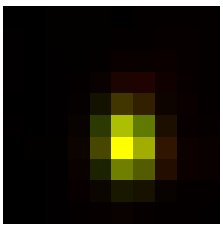
Coordinates : -73.6 um (x), -93.5 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	413 nm	223 nm
max	521 nm	539 nm	223 nm
z	1.42 um	1.42 um	885 nm
Asymmetry	0.766		
Theta	-84.3°		

XY profile & fitting parameters :

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

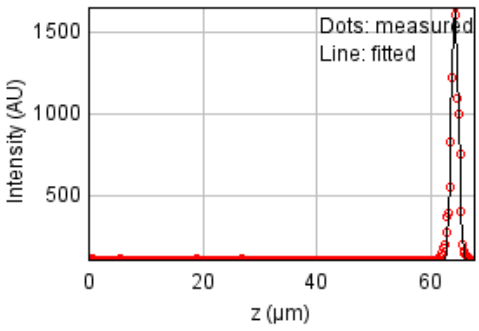




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1536.154 (brightness)
B = 134.372 (background)
a = 0.837 px
b = -0.034 px
c = 0.497 px
xc = 5.260 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: 155284.930
Standard deviation: 22.49031
R^2: 0.98611
Parameters:
a = 114.52561
b = 1645.67281
c = 64.24979
d = 0.60251

Bead 3175

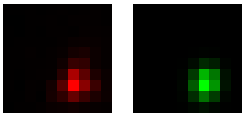
Date : Mon Oct 17 13:30:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

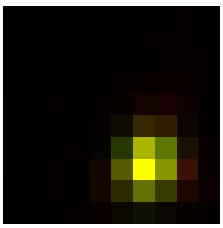
Coordinates : -137 um (x), -94.8 um (y), 64.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	487 nm	503 nm	223 nm
z	1.35 um	1.35 um	885 nm
Asymmetry	0.837		
Theta	75.9°		

XY profile & fitting parameters :

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

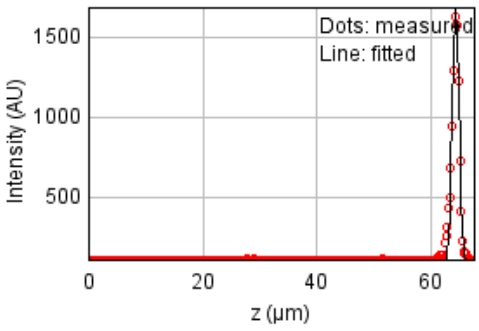




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 1591.934 (brightness)
B = 130.698 (background)
a = 0.794 px
b = 0.057 px
c = 0.581 px
xc = 6.174 px
yc = 6.781 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 164321.253
Standard deviation: 23.13544
R^2: 0.98547
Parameters:
a = 114.33006
b = 1692.95021
c = 64.38944
d = 0.57212

Bead 3176

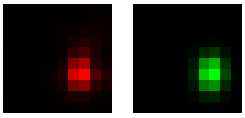
Date : Mon Oct 17 13:30:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

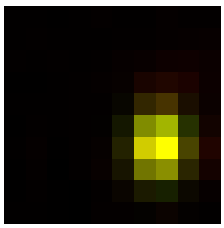
Coordinates : -83.2 um (x), -95.7 um (y), 64.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	429 nm	223 nm
max	538 nm	556 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.771		
Theta	87.6°		

XY profile & fitting parameters :

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

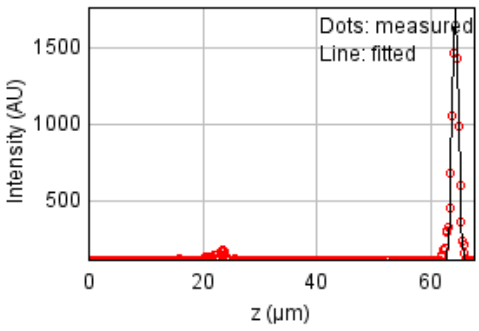




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 1790.653 (brightness)
B = 135.100 (background)
a = 0.778 px
b = 0.013 px
c = 0.464 px
xc = 6.649 px
yc = 5.883 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 139898.141
Standard deviation: 21.34700
R^2: 0.98792
Parameters:
a = 117.74319
b = 1787.28997
c = 64.32770
d = 0.52370

Bead 3177

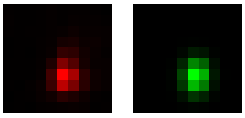
Date : Mon Oct 17 13:30:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

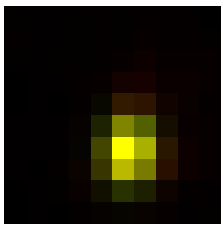
Coordinates : -65.1 um (x), -96.0 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	415 nm	223 nm
max	524 nm	541 nm	223 nm
z	1.39 um	1.4 um	885 nm
Asymmetry	0.767		
Theta	86.6°		

XY profile & fitting parameters :

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

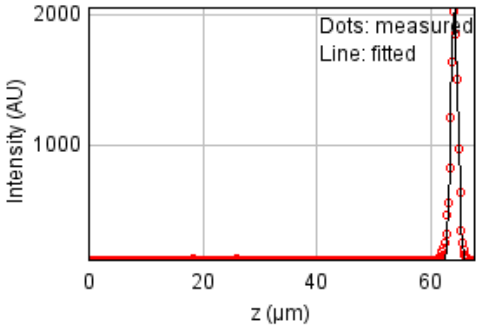




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 2063.311 (brightness)
B = 136.354 (background)
a = 0.831 px
b = 0.020 px
c = 0.491 px
xc = 5.274 px
yc = 6.152 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 98882.7922
Standard deviation: 17.94697
R^2: 0.99439
Parameters:
a = 114.75830
b = 2062.20756
c = 64.17591
d = 0.59221

Bead 3178

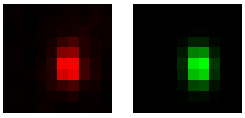
Date : Mon Oct 17 13:30:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

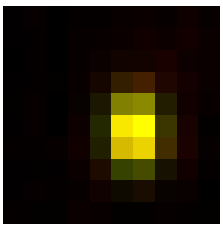
Coordinates : -96.2 um (x), -74.6 um (y), 64.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	572 nm	591 nm	223 nm
z	1.67 um	1.67 um	885 nm
Asymmetry	0.703		
Theta	-88.2°		

XY profile & fitting parameters :

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

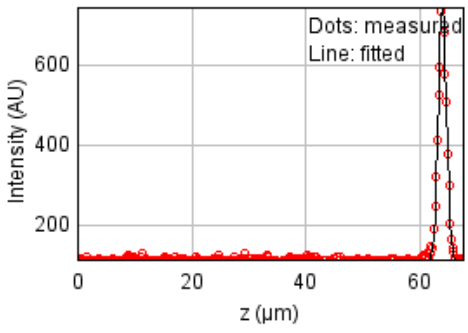




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 902.291 (brightness)
B = 123.312 (background)
a = 0.829 px
b = -0.013 px
c = 0.410 px
xc = 5.561 px
yc = 5.249 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22910.0445
Standard deviation: 8.63861
R^2: 0.98958
Parameters:
a = 113.48999
b = 743.30399
c = 63.98742
d = 0.70723

Bead 3179

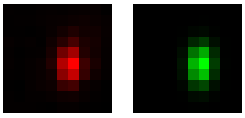
Date : Mon Oct 17 13:30:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

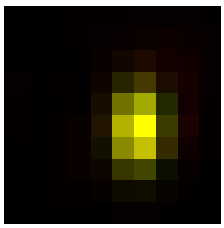
Coordinates : -109 um (x), -81.9 um (y), 64.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	619 nm	640 nm	223 nm
z	1.64 um	1.65 um	885 nm
Asymmetry	0.622		
Theta	88.3°		

XY profile & fitting parameters :

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

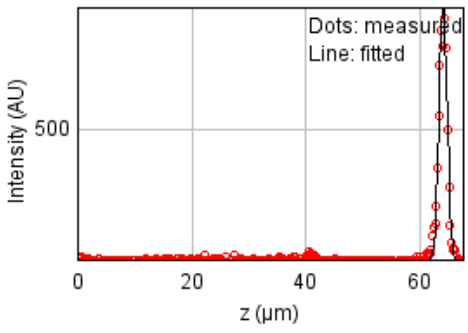




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 982.027 (brightness)
B = 121.668 (background)
a = 0.906 px
b = 0.016 px
c = 0.351 px
xc = 5.695 px
yc = 5.095 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51154.4739
Standard deviation: 12.90841
R^2: 0.98359
Parameters:
a = 114.26318
b = 867.04123
c = 64.11823
d = 0.69709

Bead 3180

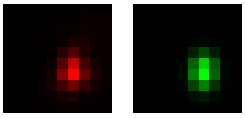
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

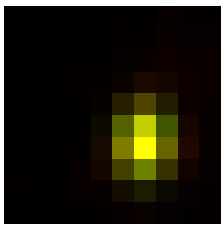
Coordinates : -110 um (x), -85.3 um (y), 64.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	546 nm	564 nm	223 nm
z	1.25 um	1.25 um	885 nm
Asymmetry	0.737		
Theta	86.8°		

XY profile & fitting parameters :

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

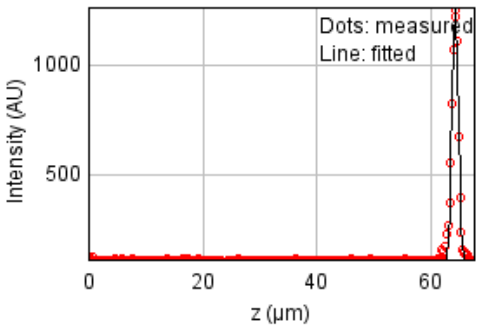




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1085.741 (brightness)
B = 124.584 (background)
a = 0.829 px
b = 0.021 px
c = 0.452 px
xc = 5.939 px
yc = 5.733 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66538.3329
Standard deviation: 14.72200
R^2: 0.98806
Parameters:
a = 114.18177
b = 1266.92456
c = 64.30336
d = 0.52885

Bead 3181

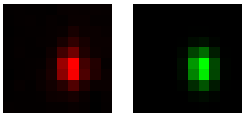
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

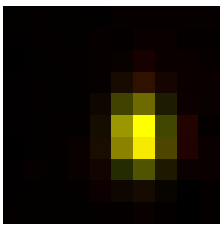
Coordinates : -142 um (x), -86.3 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	529 nm	547 nm	223 nm
z	1.17 um	1.18 um	885 nm
Asymmetry	0.725		
Theta	-86.3°		

XY profile & fitting parameters :

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

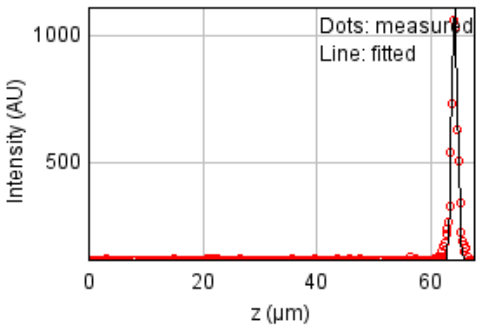




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

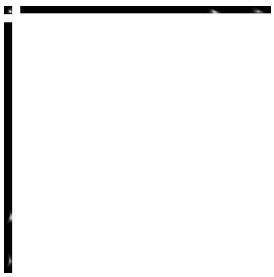
Parameters:
A = 1197.802 (brightness)
B = 125.252 (background)
a = 0.910 px
b = -0.028 px
c = 0.481 px
xc = 5.804 px
yc = 5.401 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 85890.3631
Standard deviation: 16.72642
R^2: 0.97867
Parameters:
a = 111.76038
b = 1115.03842
c = 64.21450
d = 0.49897

Bead 3182



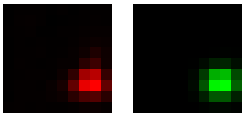
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

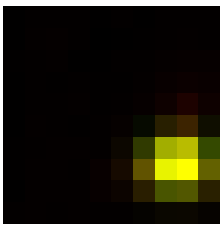
Coordinates : -61.7 um (x), -89.7 um (y), 52.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	455 nm	223 nm
max	513 nm	530 nm	223 nm
z	1.37 um	1.37 um	885 nm
Asymmetry	0.859		
Theta	4.4°		

XY profile & fitting parameters :

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

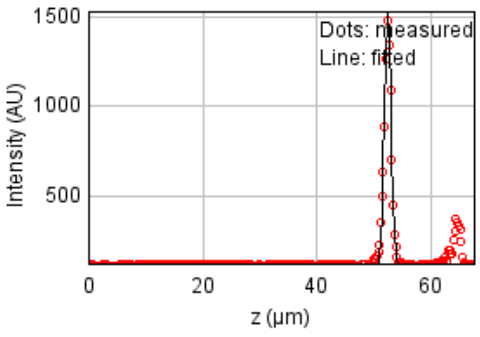




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 1690.210 (brightness)
B = 122.503 (background)
a = 0.511 px
b = 0.014 px
c = 0.691 px
xc = 7.557 px
yc = 6.731 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 387194.908
Standard deviation: 35.51368
R^2: 0.95923
Parameters:
a = 122.94612
b = 1539.40885
c = 52.50415
d = 0.58118

Bead 3183

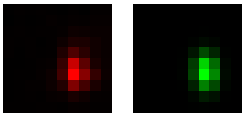
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

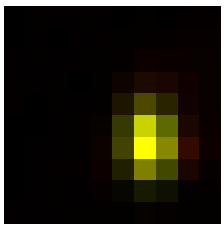
Coordinates : -119 um (x), -90.6 um (y), 64.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	368 nm	381 nm	223 nm
max	552 nm	571 nm	223 nm
z	1.5 um	1.51 um	885 nm
Asymmetry	0.667		
Theta	-87.2°		

XY profile & fitting parameters :

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

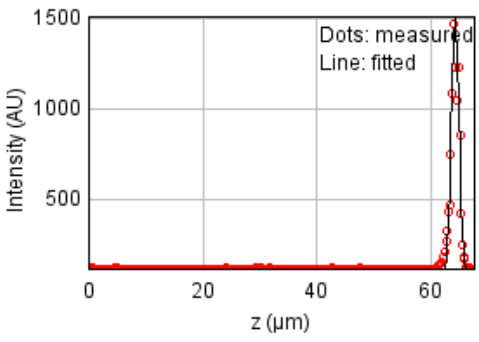




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

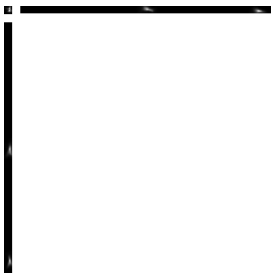
Parameters:
A = 1731.364 (brightness)
B = 132.439 (background)
a = 0.989 px
b = -0.027 px
c = 0.442 px
xc = 6.172 px
yc = 5.726 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 352444.393
Standard deviation: 33.88255
R^2: 0.96549
Parameters:
a = 112.93605
b = 1520.63323
c = 64.30340
d = 0.63899

Bead 3184



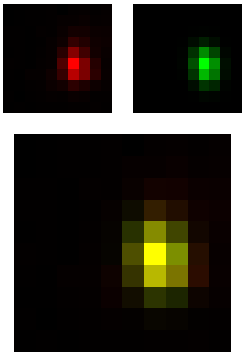
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

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

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	540 nm	559 nm	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.721		
Theta	-82.0°		

XY profile & fitting parameters :

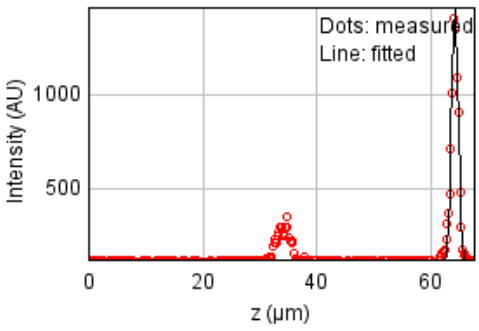
(red : the orignal data, green : the fit, yellow : the two merged)



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 = 1367.993 (brightness)
B = 125.669 (background)
a = 0.877 px
b = -0.059 px
c = 0.468 px
xc = 6.179 px
yc = 5.172 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 3185

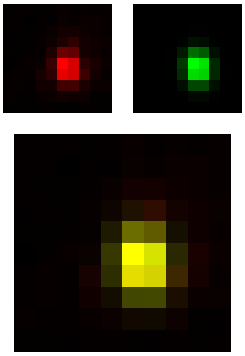
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -145 um (x), -96.2 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	419 nm	223 nm
max	521 nm	538 nm	223 nm
z	1.48 um	1.48 um	885 nm
Asymmetry	0.778		
Theta	-83.7°		

XY profile & fitting parameters :

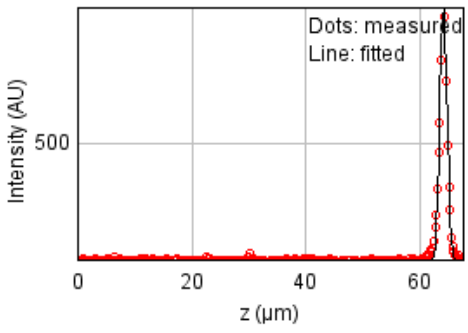
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1036.389 (brightness)
B = 124.565 (background)
a = 0.813 px
b = -0.035 px
c = 0.499 px
xc = 5.445 px
yc = 5.383 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40595.9887
Standard deviation: 11.49933
R^2: 0.98846
Parameters:
a = 111.22773
b = 955.24295
c = 64.17784
d = 0.62651

Bead 3186

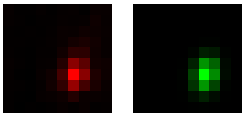
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

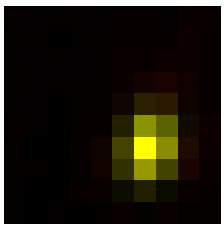
Coordinates : -159 um (x), -80.1 um (y), 64.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	367 nm	379 nm	223 nm
max	511 nm	529 nm	223 nm
z	1.26 um	1.27 um	885 nm
Asymmetry	0.718		
Theta	77.8°		

XY profile & fitting parameters :

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

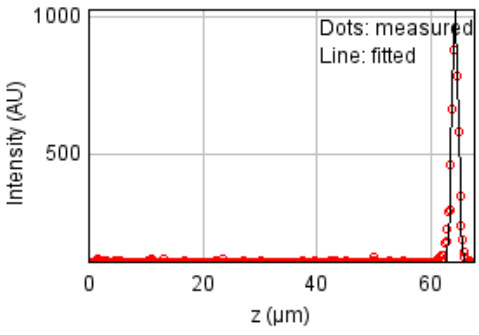




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

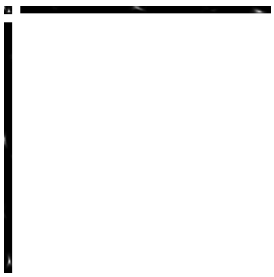
Parameters:
A = 949.167 (brightness)
B = 119.963 (background)
a = 0.975 px
b = 0.100 px
c = 0.535 px
xc = 6.189 px
yc = 5.974 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51772.4247
Standard deviation: 12.98614
R^2: 0.98563
Parameters:
a = 111.03359
b = 1031.59414
c = 64.29518
d = 0.53512

Bead 3187



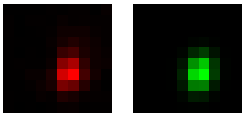
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

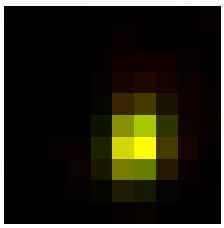
Coordinates : -146 um (x), -88.8 um (y), 64.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	414 nm	223 nm
max	537 nm	556 nm	223 nm
z	1.5 um	1.5 um	885 nm
Asymmetry	0.745		
Theta	79.0°		

XY profile & fitting parameters :

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

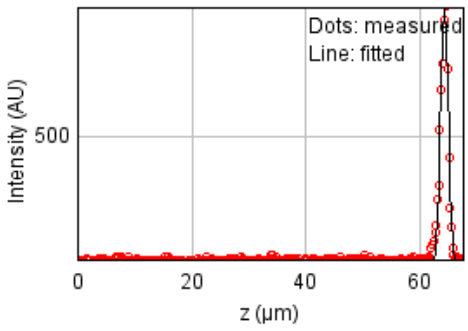




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 994.065 (brightness)
B = 121.085 (background)
a = 0.823 px
b = 0.070 px
c = 0.478 px
xc = 5.622 px
yc = 5.818 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61920.6338
Standard deviation: 14.20197
R^2: 0.98099
Parameters:
a = 113.39060
b = 917.03687
c = 64.34881
d = 0.63525