Bead 1301

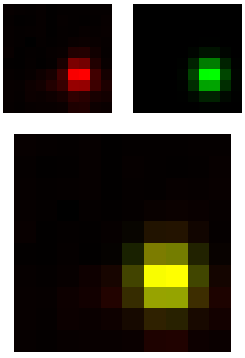
Date : Mon Oct 17 13:28:56 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -17.0 um (x), 1.95 um (y), 29.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	454 nm	469 nm	223 nm
max	482 nm	498 nm	223 nm
z	1.43 um	1.43 um	885 nm
Asymmetry	0.942		
Theta	89.7°		

XY profile & fitting parameters :

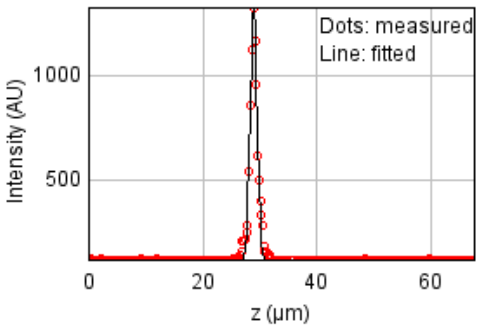
(red : the orignal data, green : the fit, yellow : the two merged)



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 = 1358.551 (brightness)
B = 129.690 (background)
a = 0.652 px
b = 0.000 px
c = 0.578 px
xc = 6.510 px
yc = 6.118 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 114365.909
Standard deviation: 19.30097
R^2: 0.98400
Parameters:
a = 115.04202
b = 1333.91198
c = 28.98448
d = 0.60674

Bead 1302

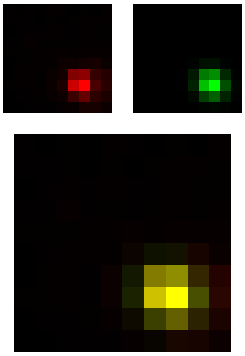
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 93.0 um (x), -8.99 um (y), 29.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	417 nm	223 nm
max	443 nm	458 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.909		
Theta	-33.2°		

XY profile & fitting parameters :

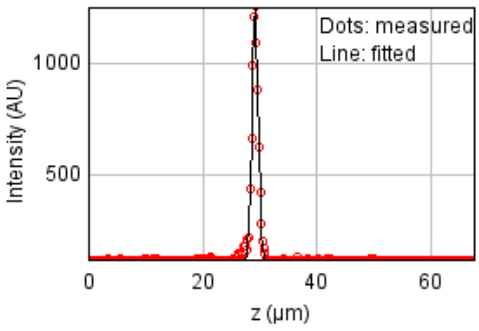
(red : the orignal data, green : the fit, yellow : the two merged)



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

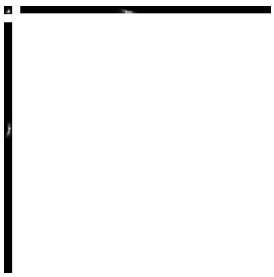
Parameters:
A = 1252.052 (brightness)
B = 122.547 (background)
a = 0.726 px
b = -0.066 px
c = 0.783 px
xc = 6.679 px
yc = 6.846 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41876.8030
Standard deviation: 11.67932
R^2: 0.99244
Parameters:
a = 113.69867
b = 1248.85607
c = 29.23307
d = 0.54538

Bead 1303



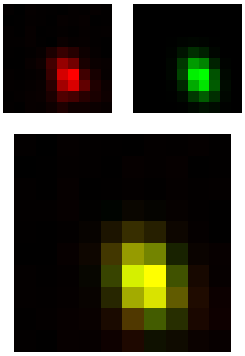
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 24.3 um (x), -16.3 um (y), 28.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	455 nm	470 nm	223 nm
max	627 nm	648 nm	223 nm
z	1.7 um	1.71 um	885 nm
Asymmetry	0.725		
Theta	-66.8°		

XY profile & fitting parameters :

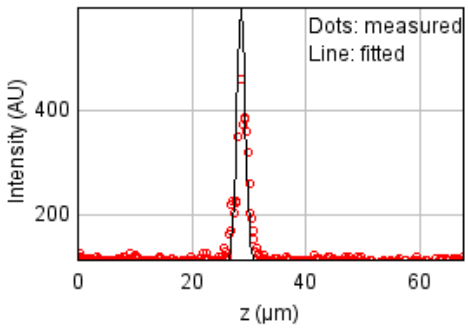
(red : the orignal data, green : the fit, yellow : the two merged)



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

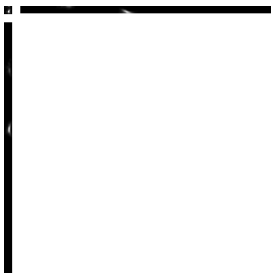
Parameters:
A = 909.934 (brightness)
B = 120.999 (background)
a = 0.601 px
b = -0.111 px
c = 0.389 px
xc = 5.595 px
yc = 6.231 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 314281.579
Standard deviation: 31.99560
R^2: 0.80819
Parameters:
a = 114.32392
b = 600.50443
c = 28.70683
d = 0.72268

Bead 1304



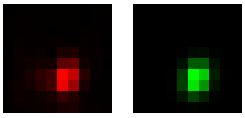
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

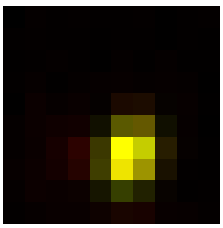
Coordinates : -107 um (x), -35.7 um (y), 28.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	494 nm	511 nm	223 nm
z	1.1 um	1.1 um	885 nm
Asymmetry	0.782		
Theta	71.9°		

XY profile & fitting parameters :

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

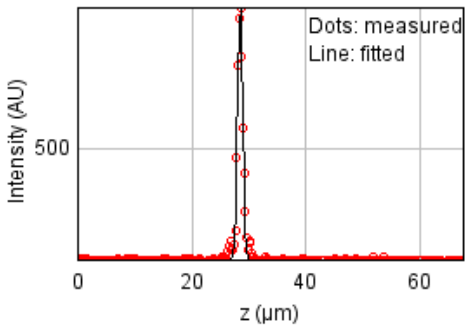




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 1045.178 (brightness)
B = 124.560 (background)
a = 0.865 px
b = 0.103 px
c = 0.584 px
xc = 5.331 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: 50501.9963
Standard deviation: 12.82582
R^2: 0.98245
Parameters:
a = 114.32795
b = 993.09987
c = 28.54468
d = 0.46562

Bead 1305

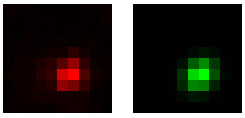
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

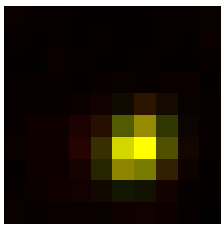
Coordinates : -115 um (x), -41.1 um (y), 28.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	424 nm	223 nm
max	494 nm	510 nm	223 nm
z	1.32 um	1.32 um	885 nm
Asymmetry	0.832		
Theta	46.0°		

XY profile & fitting parameters :

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

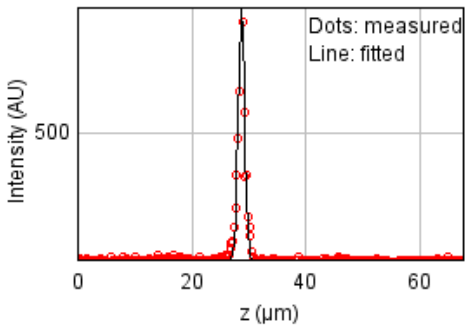




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 874.077 (brightness)
B = 124.152 (background)
a = 0.678 px
b = 0.123 px
c = 0.669 px
xc = 5.624 px
yc = 6.024 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 69237.1988
Standard deviation: 15.01760
R^2: 0.97395
Parameters:
a = 114.19407
b = 882.69679
c = 28.77412
d = 0.56043

Bead 1306

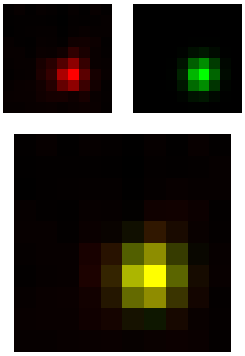
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -123 um (x), -61.8 um (y), 28.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	454 nm	469 nm	223 nm
max	480 nm	496 nm	223 nm
z	1.41 um	1.41 um	885 nm
Asymmetry	0.947		
Theta	60.5°		

XY profile & fitting parameters :

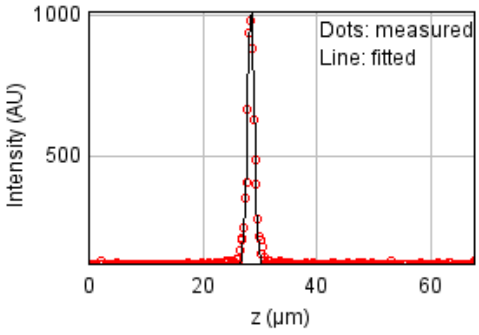
(red : the orignal data, green : the fit, yellow : the two merged)



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

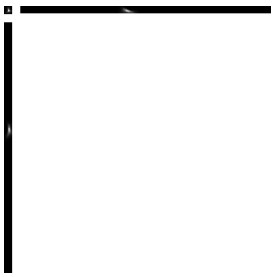
Parameters:
A = 972.566 (brightness)
B = 128.760 (background)
a = 0.635 px
b = 0.029 px
c = 0.600 px
xc = 5.765 px
yc = 6.008 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 73821.9222
Standard deviation: 15.50685
R^2: 0.98129
Parameters:
a = 113.95052
b = 1025.64203
c = 28.50226
d = 0.59689

Bead 1307



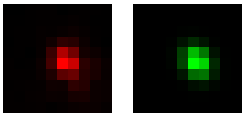
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

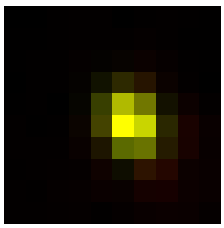
Coordinates : 51.6 um (x), -67.3 um (y), 28.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	414 nm	223 nm
max	505 nm	522 nm	223 nm
z	1.26 um	1.27 um	885 nm
Asymmetry	0.794		
Theta	-60.8°		

XY profile & fitting parameters :

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

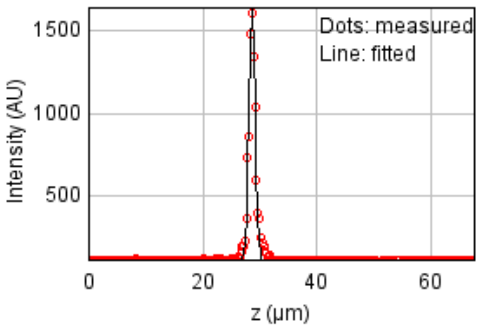




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

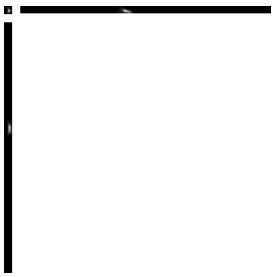
Parameters:
A = 1703.932 (brightness)
B = 135.312 (background)
a = 0.762 px
b = -0.132 px
c = 0.601 px
xc = 5.353 px
yc = 4.844 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 155034.820
Standard deviation: 22.47219
R^2: 0.98496
Parameters:
a = 116.76157
b = 1670.25767
c = 28.70822
d = 0.53714

Bead 1308



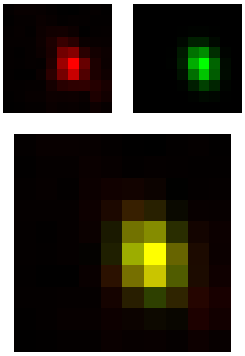
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 97.4 um (x), -69.1 um (y), 28.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	454 nm	223 nm
max	579 nm	598 nm	223 nm
z	1.37 um	1.37 um	885 nm
Asymmetry	0.759		
Theta	-70.9°		

XY profile & fitting parameters :

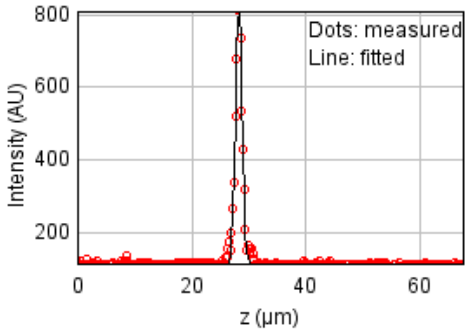
(red : the orignal data, green : the fit, yellow : the two merged)



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

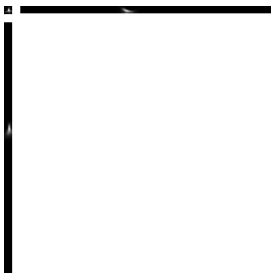
Parameters:
A = 702.226 (brightness)
B = 121.623 (background)
a = 0.663 px
b = -0.091 px
c = 0.432 px
xc = 5.815 px
yc = 5.156 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30102.7611
Standard deviation: 9.90225
R^2: 0.98665
Parameters:
a = 113.02865
b = 813.03475
c = 28.30858
d = 0.58129

Bead 1309



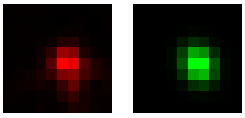
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

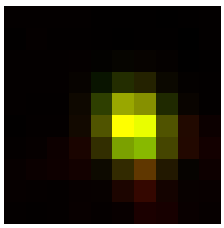
Coordinates : 2.09 um (x), -70.4 um (y), 28.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	476 nm	492 nm	223 nm
max	572 nm	591 nm	223 nm
z	1.59 um	1.59 um	885 nm
Asymmetry	0.832		
Theta	-64.6°		

XY profile & fitting parameters :

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

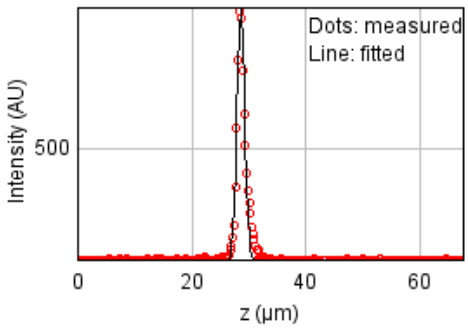




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

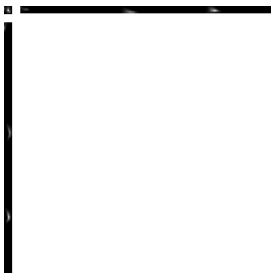
Parameters:
A = 971.674 (brightness)
B = 129.964 (background)
a = 0.559 px
b = -0.070 px
c = 0.444 px
xc = 5.503 px
yc = 5.062 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 122404.998
Standard deviation: 19.96781
R^2: 0.97010
Parameters:
a = 114.81282
b = 985.68976
c = 28.67031
d = 0.67368

Bead 1310



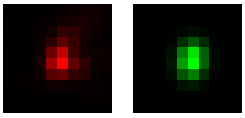
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

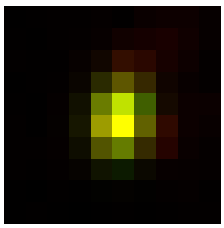
Coordinates : 68.4 um (x), 56.4 um (y), 52.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	426 nm	440 nm	223 nm
max	569 nm	588 nm	223 nm
z	1.22 um	1.22 um	885 nm
Asymmetry	0.748		
Theta	80.5°		

XY profile & fitting parameters :

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

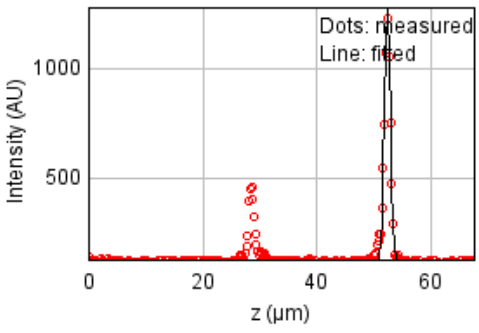




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.945

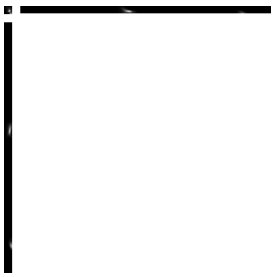
Parameters:
A = 1183.607 (brightness)
B = 135.937 (background)
a = 0.731 px
b = 0.053 px
c = 0.424 px
xc = 4.862 px
yc = 4.662 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 551138.082
Standard deviation: 42.37025
R^2: 0.90949
Parameters:
a = 123.72407
b = 1292.19452
c = 52.44811
d = 0.51745

Bead 1311



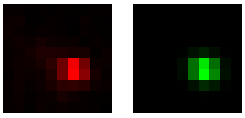
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

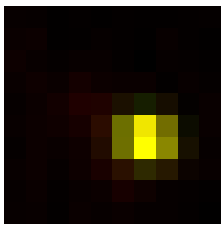
Coordinates : -136 um (x), 46.1 um (y), 29.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	370 nm	383 nm	223 nm
max	431 nm	445 nm	223 nm
z	1.5 um	1.51 um	885 nm
Asymmetry	0.859		
Theta	-11.8°		

XY profile & fitting parameters :

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

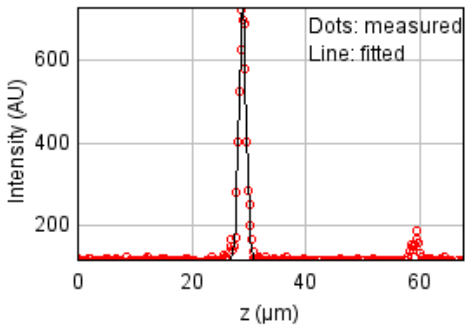




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

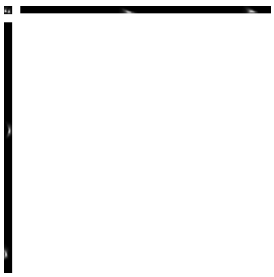
Parameters:
A = 752.376 (brightness)
B = 124.623 (background)
a = 0.734 px
b = -0.051 px
c = 0.969 px
xc = 6.034 px
yc = 5.557 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37625.7992
Standard deviation: 11.07066
R^2: 0.98064
Parameters:
a = 113.91807
b = 733.23907
c = 28.96901
d = 0.63789

Bead 1312



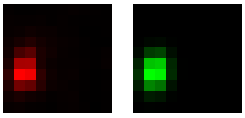
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

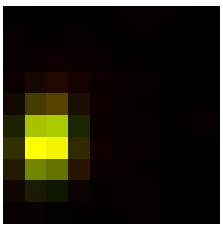
Coordinates : 23.9 um (x), 37.5 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	408 nm	223 nm
max	541 nm	559 nm	223 nm
z	1.5 um	1.5 um	885 nm
Asymmetry	0.73		
Theta	83.3°		

XY profile & fitting parameters :

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

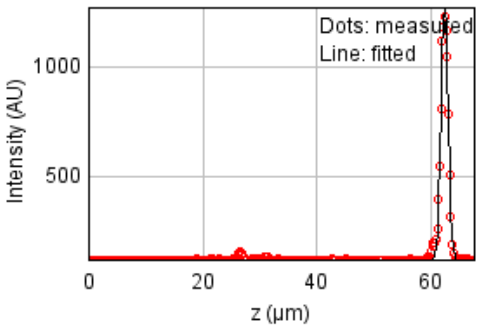




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 1281.086 (brightness)
B = 125.555 (background)
a = 0.856 px
b = 0.047 px
c = 0.465 px
xc = 1.483 px
yc = 5.744 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 52935.8288
Standard deviation: 13.13124
R^2: 0.99205
Parameters:
a = 115.23522
b = 1270.60990
c = 62.44830
d = 0.63510

Bead 1313

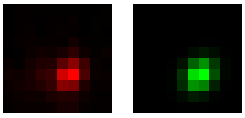
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

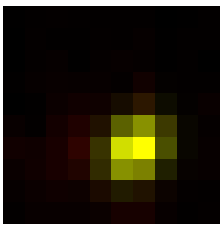
Coordinates : -96.7 um (x), -7.05 um (y), 29.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	417 nm	431 nm	223 nm
max	511 nm	528 nm	223 nm
z	1.7 um	1.71 um	885 nm
Asymmetry	0.816		
Theta	48.5°		

XY profile & fitting parameters :

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

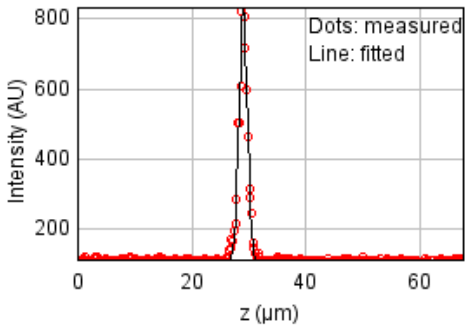




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

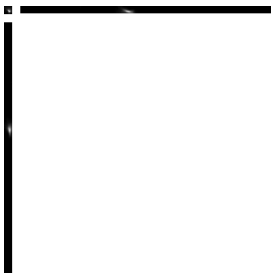
Parameters:
A = 803.866 (brightness)
B = 130.677 (background)
a = 0.660 px
b = 0.128 px
c = 0.628 px
xc = 5.600 px
yc = 6.036 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 42250.8359
Standard deviation: 11.73136
R^2: 0.98558
Parameters:
a = 113.36765
b = 831.43804
c = 29.08361
d = 0.72245

Bead 1314



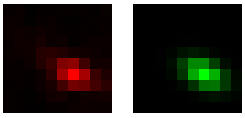
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

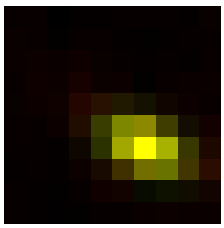
Coordinates : 137 um (x), -14.1 um (y), 29.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	671 nm	693 nm	223 nm
z	1.65 um	1.65 um	885 nm
Asymmetry	0.599		
Theta	-25.2°		

XY profile & fitting parameters :

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

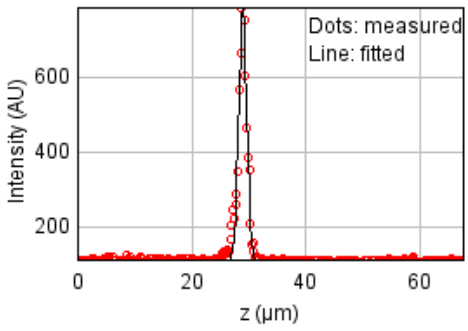




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 698.978 (brightness)
B = 119.671 (background)
a = 0.394 px
b = -0.205 px
c = 0.734 px
xc = 5.994 px
yc = 5.926 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 58928.1762
Standard deviation: 13.85455
R^2: 0.97663
Parameters:
a = 112.17289
b = 785.85930
c = 29.00406
d = 0.69905

Bead 1315

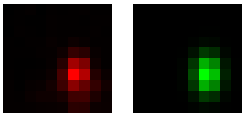
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

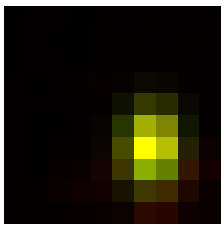
Coordinates : -1.91 um (x), -37.6 um (y), 29.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	438 nm	223 nm
max	597 nm	617 nm	223 nm
z	1.36 um	1.37 um	885 nm
Asymmetry	0.709		
Theta	89.7°		

XY profile & fitting parameters :

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

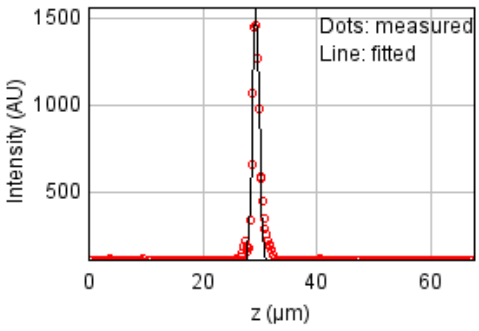




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 1546.976 (brightness)
B = 133.377 (background)
a = 0.749 px
b = 0.002 px
c = 0.376 px
xc = 6.306 px
yc = 5.993 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 290632.276
Standard deviation: 30.76825
R^2: 0.97088
Parameters:
a = 116.65672
b = 1580.58802
c = 29.36370
d = 0.57883

Bead 1316

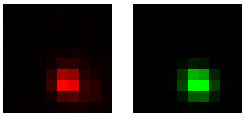
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

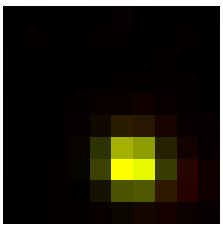
Coordinates : 34.6 um (x), 36.1 um (y), 30.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	430 nm	223 nm
max	451 nm	467 nm	223 nm
z	1.88 um	1.89 um	885 nm
Asymmetry	0.921		
Theta	-30.7°		

XY profile & fitting parameters :

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

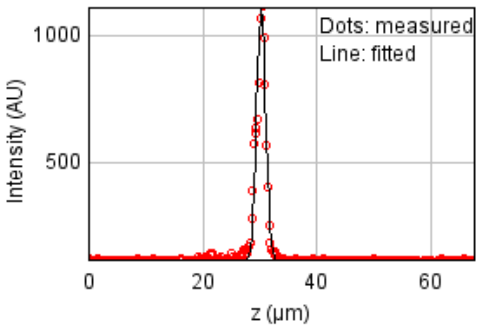




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 1338.687 (brightness)
B = 126.507 (background)
a = 0.689 px
b = -0.052 px
c = 0.746 px
xc = 5.464 px
yc = 6.777 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 214777.383
Standard deviation: 26.44996
R^2: 0.96596
Parameters:
a = 115.11735
b = 1109.72044
c = 30.31019
d = 0.79815

Bead 1317

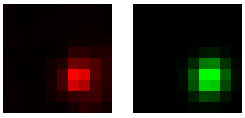
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

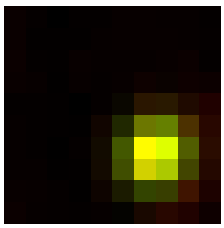
Coordinates : 67.6 um (x), 27.7 um (y), 29.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	504 nm	521 nm	223 nm
max	543 nm	561 nm	223 nm
z	1.64 um	1.65 um	885 nm
Asymmetry	0.929		
Theta	65.1°		

XY profile & fitting parameters :

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

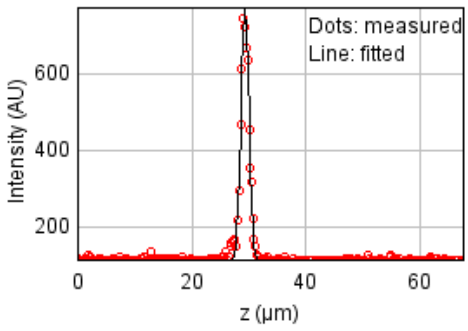




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

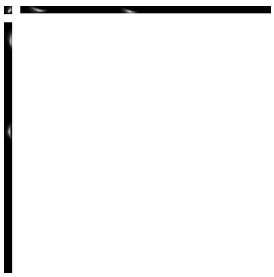
Parameters:
A = 642.922 (brightness)
B = 119.587 (background)
a = 0.515 px
b = 0.028 px
c = 0.468 px
xc = 6.499 px
yc = 6.272 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 39205.7369
Standard deviation: 11.30071
R^2: 0.98404
Parameters:
a = 113.11463
b = 781.78023
c = 29.38660
d = 0.69628

Bead 1318 (Rejected)



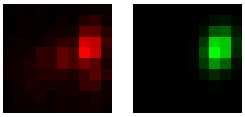
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

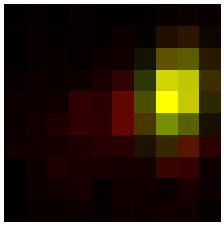
Coordinates : -67.2 um (x), 12.6 um (y), 4.2 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	430 nm	445 nm	223 nm
max	616 nm	636 nm	223 nm
z	1.72 um	1.72 um	885 nm
Asymmetry	0.699		
Theta	75.9°		

XY profile & fitting parameters :

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

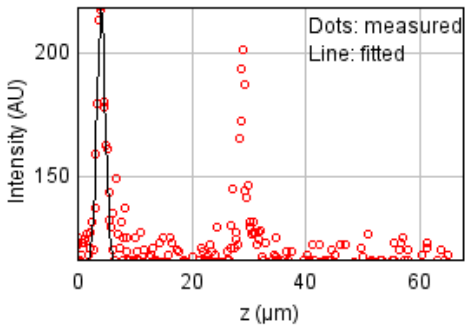




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.858

Parameters:
A = 596.513 (brightness)
B = 145.701 (background)
a = 0.702 px
b = 0.088 px
c = 0.376 px
xc = 7.372 px
yc = 3.658 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45301.7554
Standard deviation: 12.14754
R^2: 0.56617
Parameters:
a = 116.40900
b = 218.67373
c = 4.19912
d = 0.72953

Bead 1319

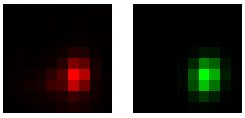
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

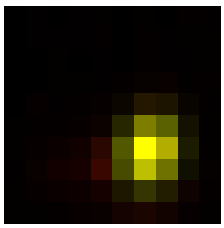
Coordinates : -49.2 um (x), 12.3 um (y), 29.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	439 nm	223 nm
max	527 nm	545 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.806		
Theta	75.2°		

XY profile & fitting parameters :

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

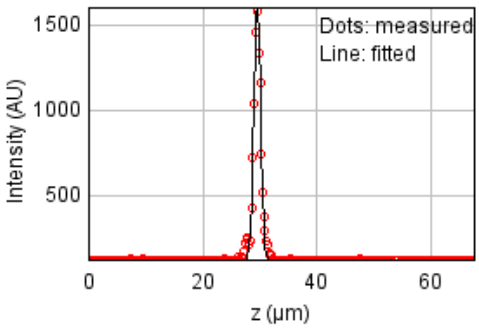




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 1510.448 (brightness)
B = 135.684 (background)
a = 0.727 px
b = 0.065 px
c = 0.500 px
xc = 6.216 px
yc = 6.183 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 109974.162
Standard deviation: 18.92675
R^2: 0.98972
Parameters:
a = 115.39190
b = 1620.96234
c = 29.60727
d = 0.59859

Bead 1320 (Rejected)

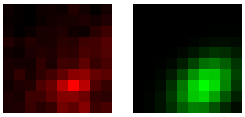
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

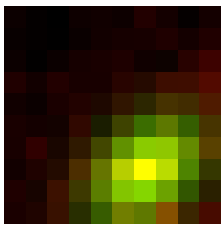
Coordinates : -152 um (x), -28.6 um (y), 27.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	727 nm	752 nm	223 nm
max	1.04 um	1.07 um	223 nm
z	1.83 um	1.84 um	885 nm
Asymmetry	0.7		
Theta	40.6°		

XY profile & fitting parameters :

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

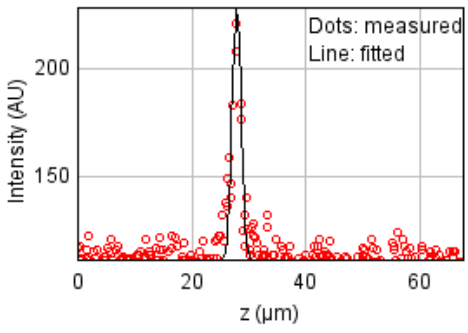




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.820

Parameters:
A = 134.028 (brightness)
B = 126.675 (background)
a = 0.179 px
b = 0.064 px
c = 0.199 px
xc = 6.077 px
yc = 7.043 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18169.3345
Standard deviation: 7.69308
R^2: 0.82016
Parameters:
a = 110.87518
b = 228.17472
c = 27.93591
d = 0.77924

Bead 1321 (Rejected)

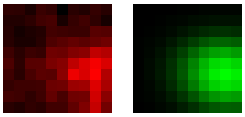
Date : Mon Oct 17 13:28:57 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

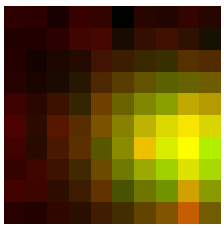
Coordinates : -152 um (x), -28.4 um (y), 27.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	1.12 um	1.16 um	223 nm
max	1.45 um	1.49 um	223 nm
z	1.95 um	1.96 um	885 nm
Asymmetry	0.775		
Theta	-7.3°		

XY profile & fitting parameters :

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

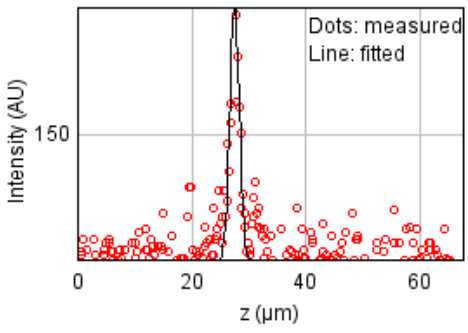




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.882

Parameters:
A = 105.060 (brightness)
B = 117.703 (background)
a = 0.065 px
b = -0.005 px
c = 0.106 px
xc = 8.028 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: 17549.0372
Standard deviation: 7.56062
R^2: 0.69353
Parameters:
a = 111.21955
b = 190.08496
c = 27.57888
d = 0.82840

Bead 1322

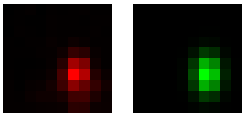
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

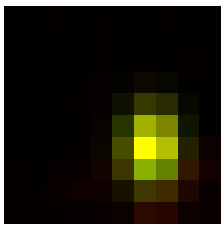
Coordinates : -1.91 um (x), -37.6 um (y), 29.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	438 nm	223 nm
max	597 nm	617 nm	223 nm
z	1.36 um	1.37 um	885 nm
Asymmetry	0.709		
Theta	89.7°		

XY profile & fitting parameters :

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

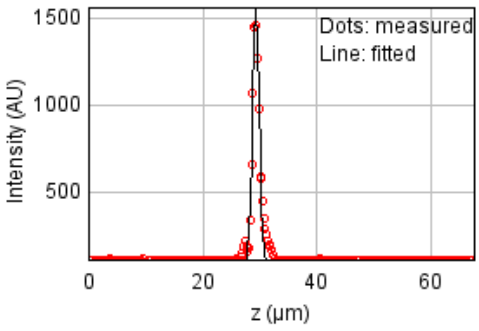




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 1546.976 (brightness)
B = 133.377 (background)
a = 0.749 px
b = 0.002 px
c = 0.376 px
xc = 6.306 px
yc = 5.993 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 290632.276
Standard deviation: 30.76825
R^2: 0.97088
Parameters:
a = 116.65672
b = 1580.58802
c = 29.36370
d = 0.57883

Bead 1323

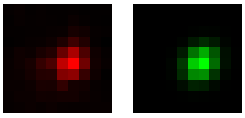
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

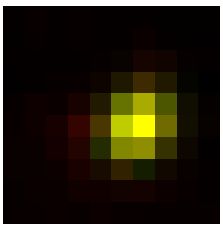
Coordinates : -94.7 um (x), -72.4 um (y), 29.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	468 nm	484 nm	223 nm
max	558 nm	576 nm	223 nm
z	1.37 um	1.38 um	885 nm
Asymmetry	0.84		
Theta	53.4°		

XY profile & fitting parameters :

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

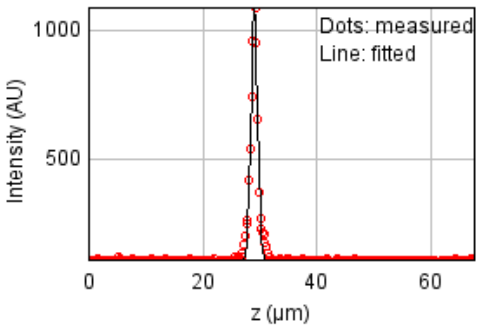




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 975.801 (brightness)
B = 131.722 (background)
a = 0.548 px
b = 0.086 px
c = 0.496 px
xc = 5.712 px
yc = 4.957 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 72906.8925
Standard deviation: 15.41044
R^2: 0.98340
Parameters:
a = 113.92616
b = 1087.59892
c = 29.09242
d = 0.58346

Bead 1324

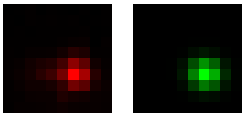
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

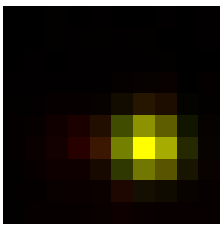
Coordinates : -89.7 um (x), -72.4 um (y), 29.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	448 nm	463 nm	223 nm
max	500 nm	517 nm	223 nm
z	1.38 um	1.39 um	885 nm
Asymmetry	0.895		
Theta	-10.9°		

XY profile & fitting parameters :

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

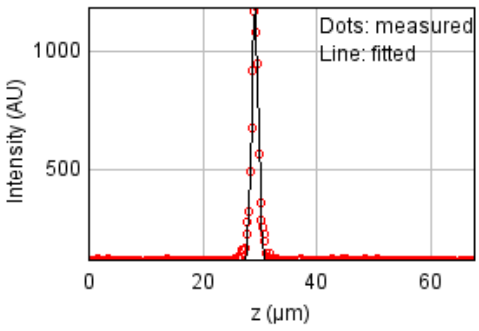




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 1032.787 (brightness)
B = 133.510 (background)
a = 0.541 px
b = -0.025 px
c = 0.664 px
xc = 6.138 px
yc = 5.927 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 65635.7572
Standard deviation: 14.62181
R^2: 0.98767
Parameters:
a = 114.77677
b = 1185.50108
c = 29.22172
d = 0.58721

Bead 1325

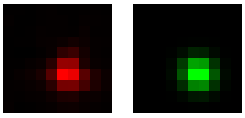
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

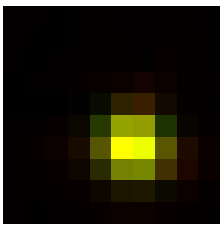
Coordinates : -2.09 um (x), 69.8 um (y), 30.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	481 nm	497 nm	223 nm
max	504 nm	522 nm	223 nm
z	1.43 um	1.44 um	885 nm
Asymmetry	0.953		
Theta	-31.8°		

XY profile & fitting parameters :

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

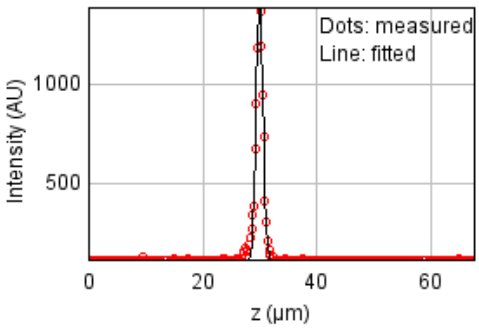




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

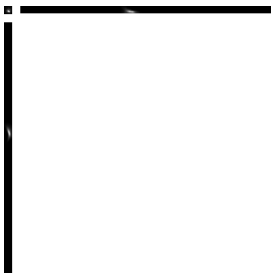
Parameters:
A = 1345.806 (brightness)
B = 125.057 (background)
a = 0.542 px
b = -0.024 px
c = 0.565 px
xc = 5.496 px
yc = 5.917 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 78910.5979
Standard deviation: 16.03240
R^2: 0.99019
Parameters:
a = 115.13059
b = 1410.32330
c = 30.03492
d = 0.60857

Bead 1326



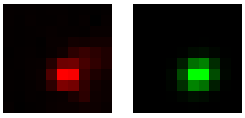
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

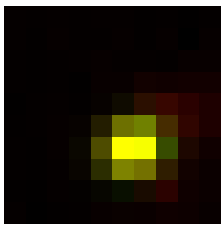
Coordinates : 98.4 um (x), 31.7 um (y), 29.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	429 nm	223 nm
max	482 nm	498 nm	223 nm
z	1.59 um	1.6 um	885 nm
Asymmetry	0.862		
Theta	23.0°		

XY profile & fitting parameters :

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

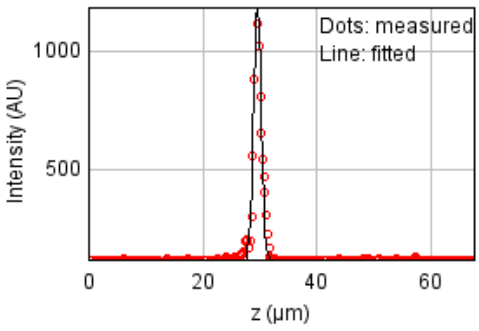




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.941

Parameters:
A = 1107.004 (brightness)
B = 130.142 (background)
a = 0.609 px
b = 0.072 px
c = 0.747 px
xc = 5.499 px
yc = 6.005 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 202304.801
Standard deviation: 25.67048
R^2: 0.96776
Parameters:
a = 113.82656
b = 1188.59766
c = 29.63789
d = 0.67635

Bead 1327

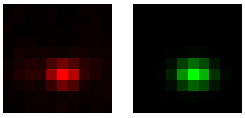
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

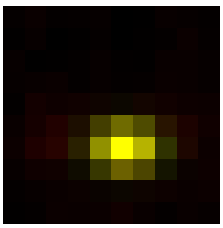
Coordinates : -162 um (x), 26.8 um (y), 28.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	383 nm	396 nm	223 nm
max	541 nm	559 nm	223 nm
z	1.51 um	1.52 um	885 nm
Asymmetry	0.709		
Theta	-0.8°		

XY profile & fitting parameters :

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

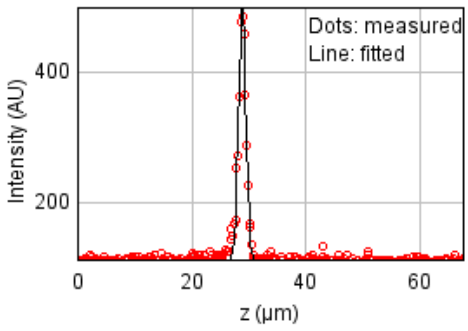




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 404.810 (brightness)
B = 115.758 (background)
a = 0.459 px
b = -0.006 px
c = 0.913 px
xc = 5.116 px
yc = 5.973 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18794.2900
Standard deviation: 7.82427
R^2: 0.97625
Parameters:
a = 111.45806
b = 504.45932
c = 28.91558
d = 0.64249

Bead 1328

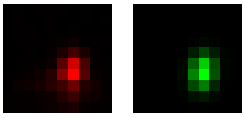
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

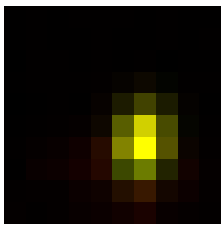
Coordinates : -27.7 um (x), -15.3 um (y), 29.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	541 nm	559 nm	223 nm
z	1.51 um	1.51 um	885 nm
Asymmetry	0.71		
Theta	82.3°		

XY profile & fitting parameters :

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

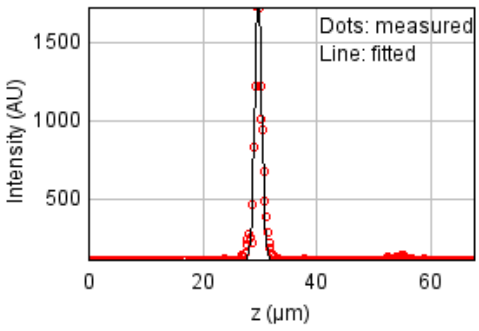




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 1905.957 (brightness)
B = 139.218 (background)
a = 0.902 px
b = 0.060 px
c = 0.467 px
xc = 5.888 px
yc = 5.738 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 579047.442
Standard deviation: 43.42981
R^2: 0.95760
Parameters:
a = 118.80653
b = 1738.81258
c = 29.79591
d = 0.63986

Bead 1329

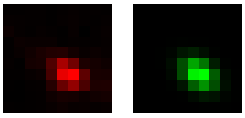
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

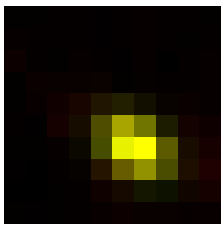
Coordinates : 126 um (x), -18.5 um (y), 29.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	419 nm	223 nm
max	578 nm	598 nm	223 nm
z	1.59 um	1.59 um	885 nm
Asymmetry	0.702		
Theta	-36.4°		

XY profile & fitting parameters :

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

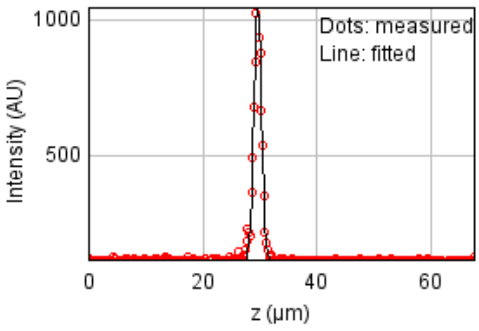




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1043.810 (brightness)
B = 125.436 (background)
a = 0.547 px
b = -0.198 px
c = 0.669 px
xc = 5.532 px
yc = 5.945 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37220.5139
Standard deviation: 11.01088
R^2: 0.99186
Parameters:
a = 112.09787
b = 1042.36895
c = 29.69773
d = 0.67437

Bead 1330

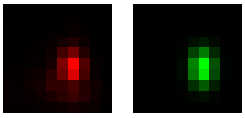
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

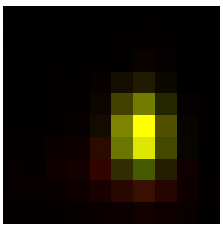
Coordinates : -33.3 um (x), -21.2 um (y), 29.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	569 nm	588 nm	223 nm
z	1.22 um	1.22 um	885 nm
Asymmetry	0.675		
Theta	-89.6°		

XY profile & fitting parameters :

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

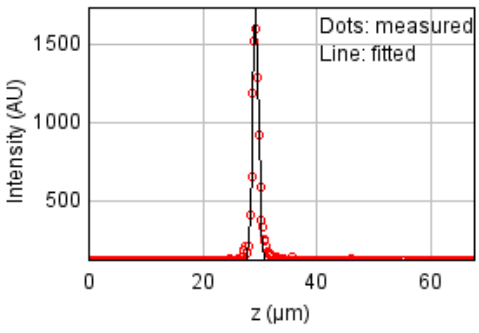




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 1719.703 (brightness)
B = 146.934 (background)
a = 0.910 px
b = -0.004 px
c = 0.415 px
xc = 5.863 px
yc = 5.368 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 122983.756
Standard deviation: 20.01496
R^2: 0.98863
Parameters:
a = 117.17637
b = 1739.81003
c = 29.31752
d = 0.51800

Bead 1331

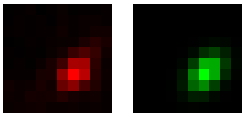
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

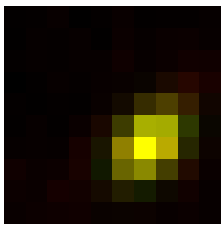
Coordinates : -144 um (x), -63.3 um (y), 29.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	432 nm	446 nm	223 nm
max	635 nm	656 nm	223 nm
z	1.74 um	1.75 um	885 nm
Asymmetry	0.68		
Theta	48.4°		

XY profile & fitting parameters :

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

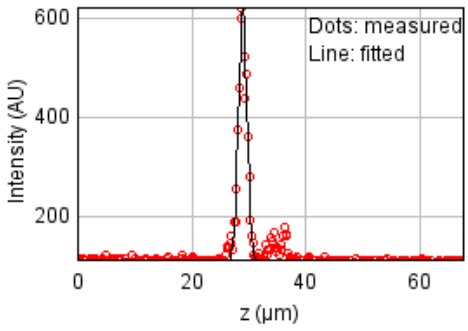




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 579.228 (brightness)
B = 119.199 (background)
a = 0.550 px
b = 0.192 px
c = 0.503 px
xc = 6.198 px
yc = 5.802 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 80974.9228
Standard deviation: 16.24075
R^2: 0.94782
Parameters:
a = 113.33315
b = 620.01930
c = 29.00065
d = 0.73971

Bead 1332

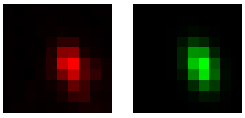
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

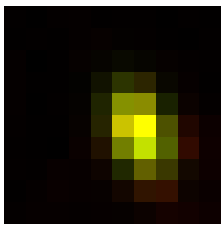
Coordinates : 40.6 um (x), -86.1 um (y), 29.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	433 nm	223 nm
max	662 nm	684 nm	223 nm
z	1.21 um	1.22 um	885 nm
Asymmetry	0.632		
Theta	-69.3°		

XY profile & fitting parameters :

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

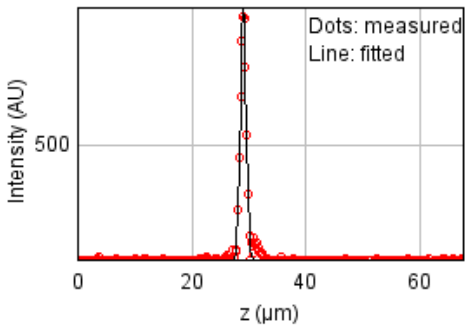




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

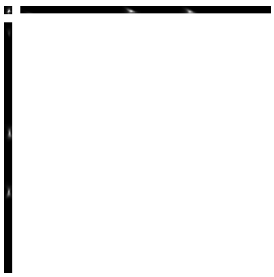
Parameters:
A = 832.922 (brightness)
B = 125.385 (background)
a = 0.709 px
b = -0.152 px
c = 0.364 px
xc = 5.736 px
yc = 5.214 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35594.6894
Standard deviation: 10.76771
R^2: 0.98794
Parameters:
a = 113.91541
b = 963.99014
c = 29.08688
d = 0.51469

Bead 1333



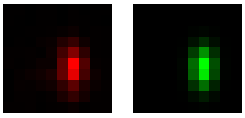
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

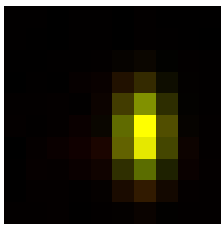
Coordinates : -20.5 um (x), 56.0 um (y), 29.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	361 nm	374 nm	223 nm
max	636 nm	658 nm	223 nm
z	1.08 um	1.08 um	885 nm
Asymmetry	0.568		
Theta	89.6°		

XY profile & fitting parameters :

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

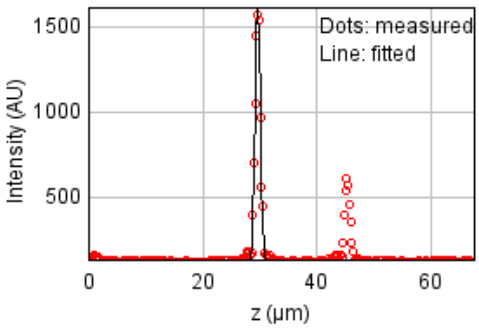




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

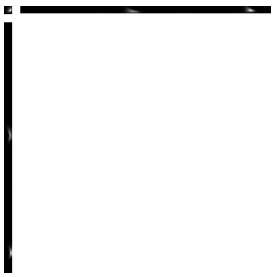
Parameters:
A = 1475.321 (brightness)
B = 126.663 (background)
a = 1.027 px
b = 0.005 px
c = 0.331 px
xc = 5.921 px
yc = 5.356 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 994670.166
Standard deviation: 56.92072
R^2: 0.88925
Parameters:
a = 126.84877
b = 1617.89827
c = 29.68887
d = 0.45681

Bead 1334



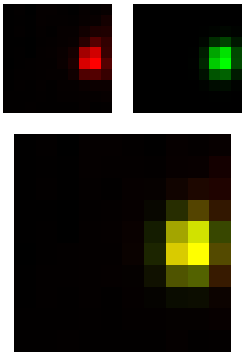
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 74.9 um (x), 26.0 um (y), 62.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	438 nm	223 nm
max	501 nm	518 nm	223 nm
z	1.21 um	1.21 um	885 nm
Asymmetry	0.846		
Theta	78.4°		

XY profile & fitting parameters :

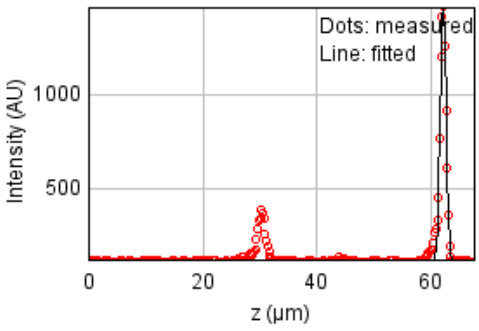
(red : the orignal data, green : the fit, yellow : the two merged)



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

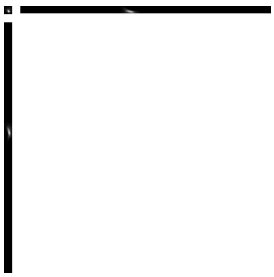
Parameters:
A = 1554.416 (brightness)
B = 119.005 (background)
a = 0.738 px
b = 0.042 px
c = 0.543 px
xc = 7.678 px
yc = 4.638 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 489911.901
Standard deviation: 39.94752
R^2: 0.93700
Parameters:
a = 124.47547
b = 1471.92118
c = 62.18472
d = 0.51188

Bead 1335



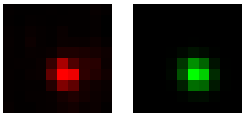
Date : Mon Oct 17 13:28:58 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

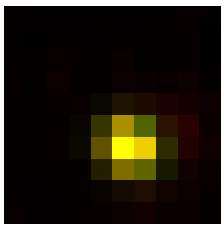
Coordinates : 107 um (x), 4.41 um (y), 29.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	417 nm	431 nm	223 nm
max	464 nm	480 nm	223 nm
z	1.62 um	1.62 um	885 nm
Asymmetry	0.899		
Theta	-36.1°		

XY profile & fitting parameters :

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

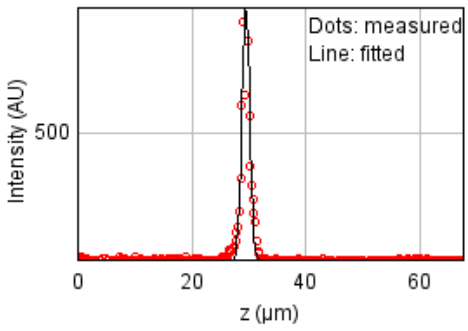




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 901.525 (brightness)
B = 120.981 (background)
a = 0.674 px
b = -0.070 px
c = 0.719 px
xc = 5.334 px
yc = 5.938 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 134769.763
Standard deviation: 20.95208
R^2: 0.95912
Parameters:
a = 112.53344
b = 882.40113
c = 29.53456
d = 0.68683

Bead 1336

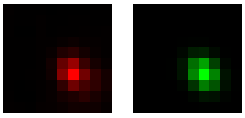
Date : Mon Oct 17 13:28:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

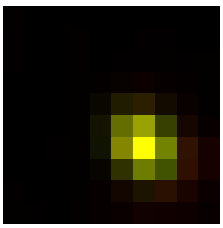
Coordinates : 44.0 um (x), -21.3 um (y), 30.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	435 nm	223 nm
max	524 nm	542 nm	223 nm
z	1.37 um	1.37 um	885 nm
Asymmetry	0.804		
Theta	-52.3°		

XY profile & fitting parameters :

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

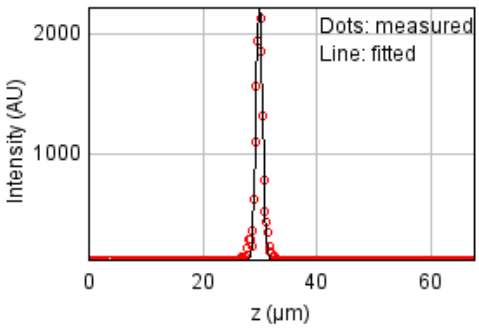




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 2045.718 (brightness)
B = 140.554 (background)
a = 0.656 px
b = -0.130 px
c = 0.589 px
xc = 5.968 px
yc = 5.881 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 163928.349
Standard deviation: 23.10776
R^2: 0.99197
Parameters:
a = 116.54346
b = 2231.05259
c = 29.98236
d = 0.57980

Bead 1337 (Rejected)

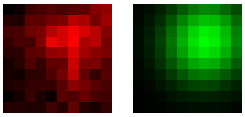
Date : Mon Oct 17 13:28:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -152 um (x), -28.4 um (y), 27.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

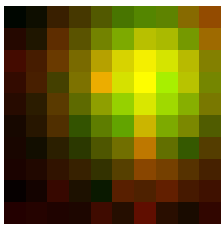
FWHM	Non corrected	Corrected	Theoretical
min	1.29 um	1.33 um	223 nm
max	1.34 um	1.39 um	223 nm
z	1.95 um	1.96 um	885 nm
Asymmetry	0.959		
Theta	59.3°		

XY profile & fitting parameters :

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

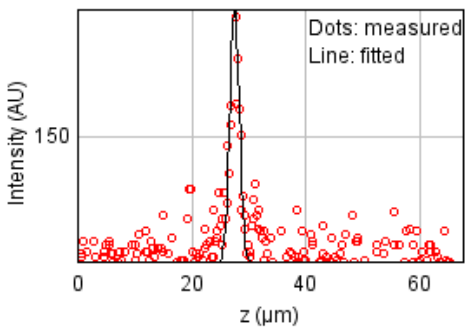


Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.799



Parameters:
A = 91.378 (brightness)
B = 125.757 (background)
a = 0.079 px
b = 0.003 px
c = 0.076 px
xc = 6.186 px
yc = 2.878 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 17549.0372
Standard deviation: 7.56062
R^2: 0.69353
Parameters:
a = 111.21955
b = 190.08496
c = 27.57888
d = 0.82840

Bead 1338

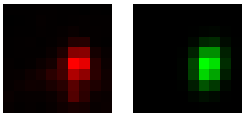
Date : Mon Oct 17 13:28:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

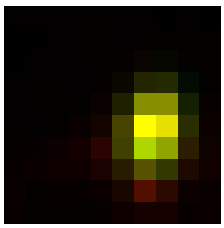
Coordinates : -23.9 um (x), -59.0 um (y), 29.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	439 nm	223 nm
max	602 nm	622 nm	223 nm
z	1.28 um	1.28 um	885 nm
Asymmetry	0.705		
Theta	80.2°		

XY profile & fitting parameters :

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

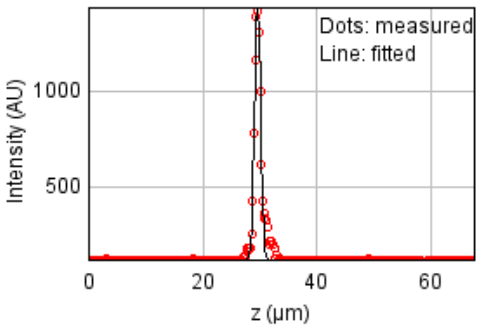




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

Parameters:
A = 1382.536 (brightness)
B = 137.547 (background)
a = 0.734 px
b = 0.063 px
c = 0.382 px
xc = 6.391 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: 192975.115
Standard deviation: 25.07157
R^2: 0.97489
Parameters:
a = 116.95422
b = 1444.09346
c = 29.66823
d = 0.54342

Bead 1339

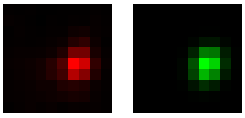
Date : Mon Oct 17 13:28:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

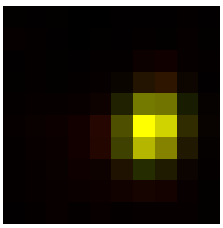
Coordinates : -105 um (x), -60.1 um (y), 29.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	434 nm	448 nm	223 nm
max	512 nm	529 nm	223 nm
z	1.18 um	1.18 um	885 nm
Asymmetry	0.848		
Theta	67.2°		

XY profile & fitting parameters :

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

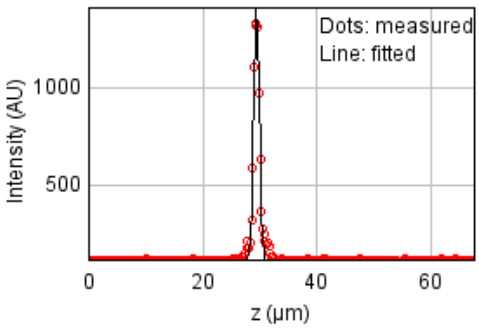




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

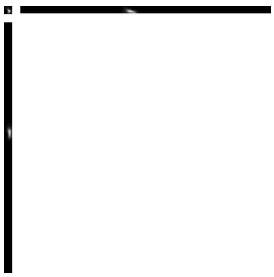
Parameters:
A = 1289.702 (brightness)
B = 135.242 (background)
a = 0.683 px
b = 0.072 px
c = 0.543 px
xc = 6.345 px
yc = 5.139 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 105826.103
Standard deviation: 18.56638
R^2: 0.98429
Parameters:
a = 115.05462
b = 1413.90357
c = 29.47562
d = 0.50086

Bead 1340



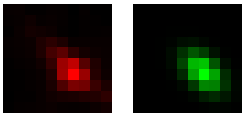
Date : Mon Oct 17 13:28:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

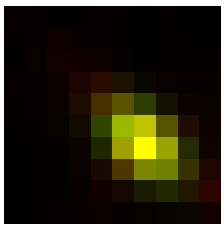
Coordinates : 119 um (x), -67.5 um (y), 29.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	450 nm	465 nm	223 nm
max	724 nm	748 nm	223 nm
z	1.72 um	1.73 um	885 nm
Asymmetry	0.621		
Theta	-45.1°		

XY profile & fitting parameters :

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

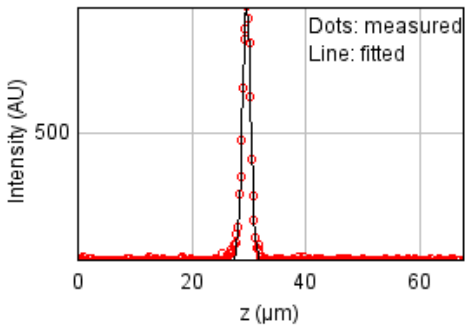




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 734.174 (brightness)
B = 123.191 (background)
a = 0.461 px
b = -0.204 px
c = 0.459 px
xc = 5.902 px
yc = 5.743 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28847.9136
Standard deviation: 9.69367
R^2: 0.99140
Parameters:
a = 112.64286
b = 878.50539
c = 29.66285
d = 0.73149

Bead 1341

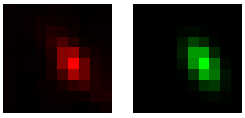
Date : Mon Oct 17 13:28:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

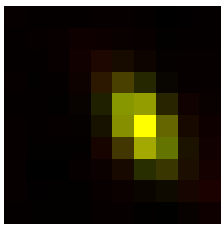
Coordinates : 110 um (x), -84.0 um (y), 29.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	678 nm	701 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.566		
Theta	-59.5°		

XY profile & fitting parameters :

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

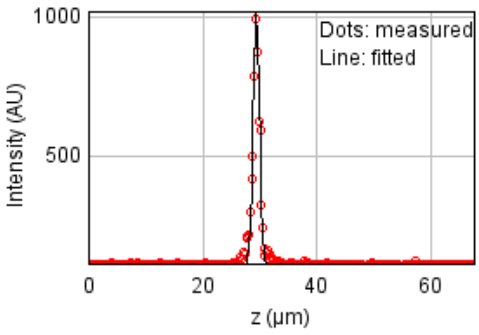




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 969.326 (brightness)
B = 129.439 (background)
a = 0.750 px
b = -0.270 px
c = 0.451 px
xc = 5.876 px
yc = 4.969 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 91066.6006
Standard deviation: 17.22306
R^2: 0.97530
Parameters:
a = 113.29344
b = 1022.29345
c = 29.43779
d = 0.55631

Bead 1342

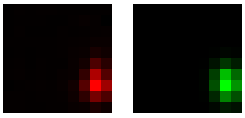
Date : Mon Oct 17 13:28:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

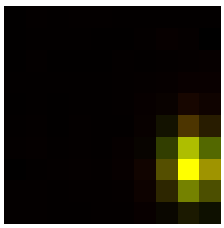
Coordinates : -101 um (x), -88.6 um (y), 58.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	408 nm	223 nm
max	524 nm	542 nm	223 nm
z	1.32 um	1.33 um	885 nm
Asymmetry	0.752		
Theta	-86.1°		

XY profile & fitting parameters :

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

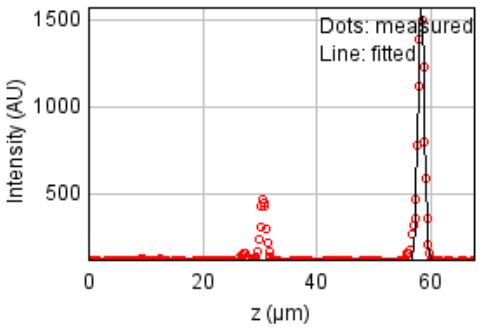




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1530.222 (brightness)
B = 118.453 (background)
a = 0.861 px
b = -0.026 px
c = 0.490 px
xc = 8.176 px
yc = 6.815 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 645175.704
Standard deviation: 45.84266
R^2: 0.93396
Parameters:
a = 123.33038
b = 1566.10171
c = 58.32434
d = 0.56046

Bead 1343

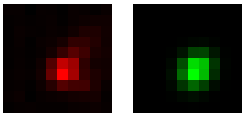
Date : Mon Oct 17 13:28:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

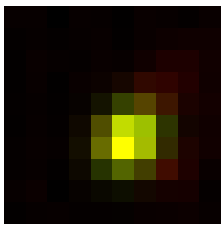
Coordinates : 86.1 um (x), 58.6 um (y), 30.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	453 nm	468 nm	223 nm
max	534 nm	553 nm	223 nm
z	1.82 um	1.83 um	885 nm
Asymmetry	0.847		
Theta	52.3°		

XY profile & fitting parameters :

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

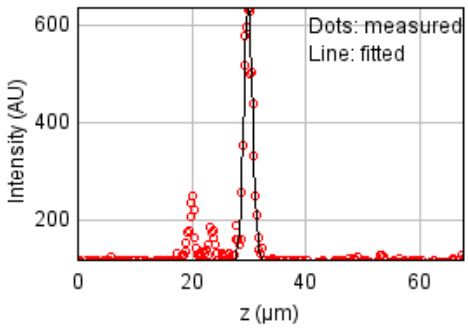




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.930

Parameters:
A = 678.057 (brightness)
B = 129.100 (background)
a = 0.586 px
b = 0.090 px
c = 0.539 px
xc = 5.295 px
yc = 5.590 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 125998.562
Standard deviation: 20.25879
R^2: 0.92750
Parameters:
a = 116.74749
b = 635.64400
c = 29.96743
d = 0.77446

Bead 1344

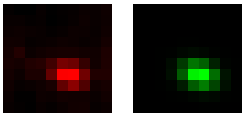
Date : Mon Oct 17 13:28:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

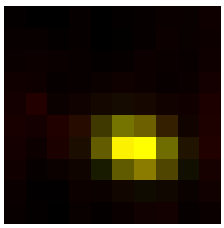
Coordinates : -164 um (x), 52.4 um (y), 29.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	402 nm	223 nm
max	566 nm	585 nm	223 nm
z	1.51 um	1.52 um	885 nm
Asymmetry	0.686		
Theta	-16.1°		

XY profile & fitting parameters :

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

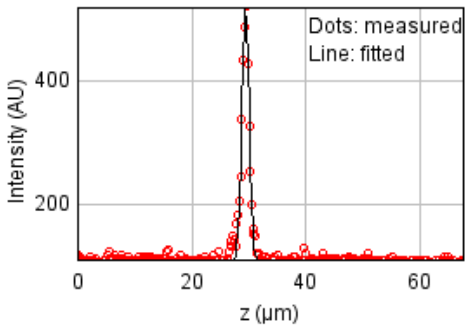




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 450.120 (brightness)
B = 117.342 (background)
a = 0.455 px
b = -0.125 px
c = 0.853 px
xc = 5.564 px
yc = 6.011 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21367.4507
Standard deviation: 8.34271
R^2: 0.97478
Parameters:
a = 110.47932
b = 516.75490
c = 29.47732
d = 0.64277

Bead 1345

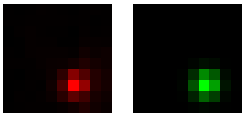
Date : Mon Oct 17 13:28:59 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

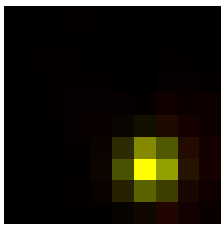
Coordinates : 88.0 um (x), 15.4 um (y), 30.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	415 nm	429 nm	223 nm
z	1.42 um	1.42 um	885 nm
Asymmetry	0.981		
Theta	61.3°		

XY profile & fitting parameters :

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

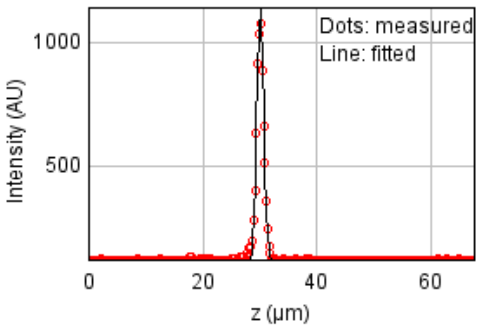




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 1078.468 (brightness)
B = 123.478 (background)
a = 0.802 px
b = 0.013 px
c = 0.786 px
xc = 6.210 px
yc = 6.894 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34804.9323
Standard deviation: 10.64759
R^2: 0.99306
Parameters:
a = 114.04423
b = 1143.63329
c = 30.16505
d = 0.60246

Bead 1346

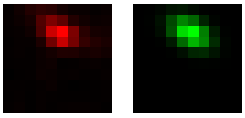
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

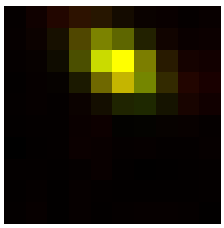
Coordinates : 160 um (x), -13.2 um (y), 36.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	435 nm	223 nm
max	664 nm	686 nm	223 nm
z	1.56 um	1.56 um	885 nm
Asymmetry	0.633		
Theta	-31.9°		

XY profile & fitting parameters :

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

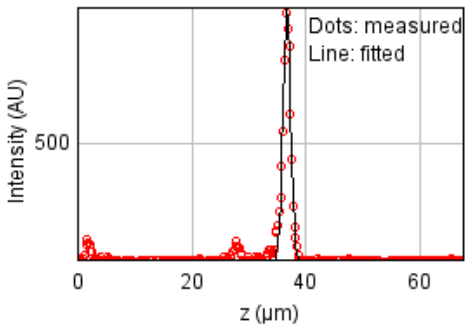




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

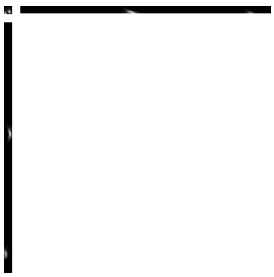
Parameters:
A = 873.600 (brightness)
B = 122.602 (background)
a = 0.431 px
b = -0.204 px
c = 0.632 px
xc = 4.747 px
yc = 2.147 px

Z profile & fitting parameters:



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

Bead 1347 (Rejected)



Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 81.2 um (x), -24.4 um (y), 62.4 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

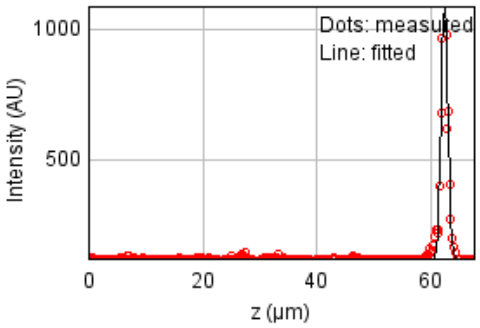
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.42 um	1.43 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

XY profile & fitting parameters :

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

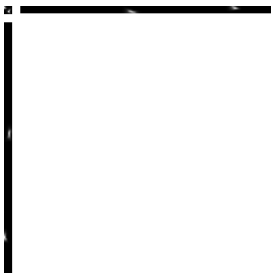
Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 250239.285
Standard deviation: 28.55016
R^2: 0.94728
Parameters:
a = 113.95529
b = 1091.33276
c = 62.43731
d = 0.60325

Bead 1348 (Rejected)



Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -143 um (x), -55.4 um (y), 57.9 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

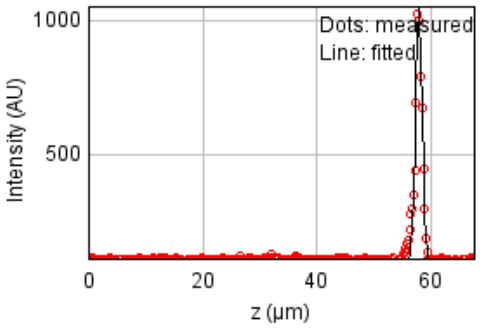
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.35 um	1.36 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

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: 80075.7791
Standard deviation: 16.15033
R^2: 0.98042
Parameters:
a = 113.13182
b = 1059.02254
c = 57.91530
d = 0.57356

Bead 1349

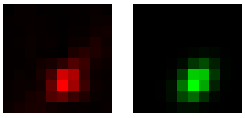
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

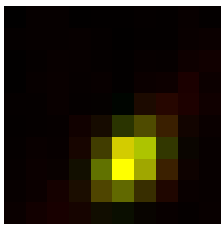
Coordinates : -152 um (x), -69.2 um (y), 30.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	427 nm	223 nm
max	585 nm	604 nm	223 nm
z	1.84 um	1.85 um	885 nm
Asymmetry	0.706		
Theta	49.1°		

XY profile & fitting parameters :

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

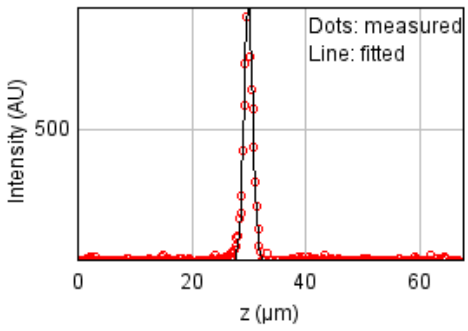




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 855.624 (brightness)
B = 127.116 (background)
a = 0.618 px
b = 0.195 px
c = 0.562 px
xc = 5.279 px
yc = 6.607 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41728.6539
Standard deviation: 11.65864
R^2: 0.98805
Parameters:
a = 111.43520
b = 867.71008
c = 30.00044
d = 0.78091

Bead 1350

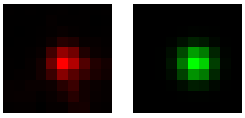
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

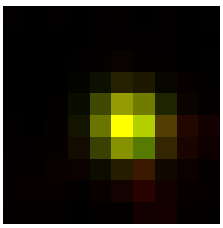
Coordinates : 26.5 um (x), -71.7 um (y), 30.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	501 nm	518 nm	223 nm
max	523 nm	540 nm	223 nm
z	1.42 um	1.43 um	885 nm
Asymmetry	0.959		
Theta	-21.0°		

XY profile & fitting parameters :

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

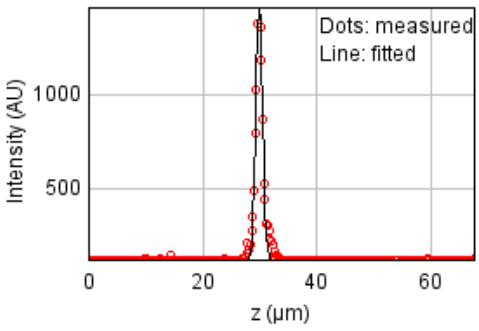




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 1376.929 (brightness)
B = 134.938 (background)
a = 0.497 px
b = -0.014 px
c = 0.529 px
xc = 5.288 px
yc = 4.976 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 144523.262
Standard deviation: 21.69700
R^2: 0.98338
Parameters:
a = 116.62038
b = 1464.50861
c = 29.95713
d = 0.60328

Bead 1351

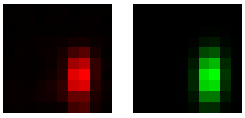
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

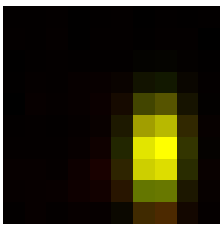
Coordinates : -34.0 um (x), 55.6 um (y), 30.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	413 nm	223 nm
max	760 nm	785 nm	223 nm
z	1.04 um	1.04 um	885 nm
Asymmetry	0.526		
Theta	87.8°		

XY profile & fitting parameters :

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

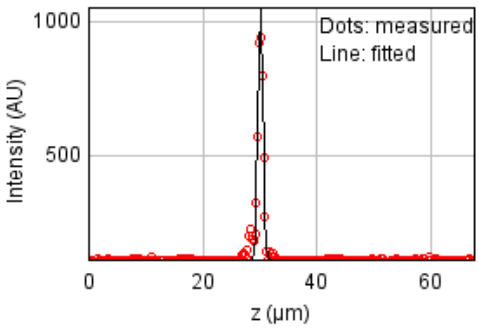




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

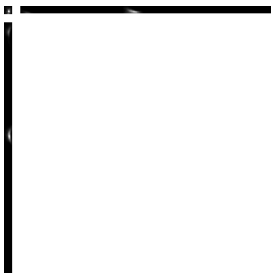
Parameters:
A = 1246.854 (brightness)
B = 126.707 (background)
a = 0.839 px
b = 0.023 px
c = 0.233 px
xc = 6.560 px
yc = 6.234 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 68053.6983
Standard deviation: 14.88870
R^2: 0.97848
Parameters:
a = 115.73523
b = 1061.01150
c = 30.20191
d = 0.43997

Bead 1352



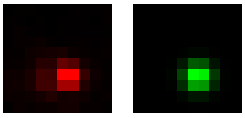
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

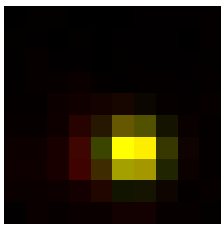
Coordinates : -86.1 um (x), 25.9 um (y), 30.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	432 nm	223 nm
max	442 nm	457 nm	223 nm
z	1.93 um	1.94 um	885 nm
Asymmetry	0.946		
Theta	-4.3°		

XY profile & fitting parameters :

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

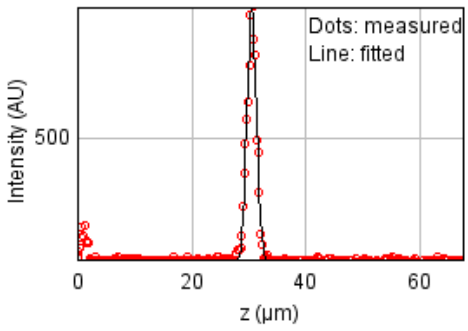




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 967.280 (brightness)
B = 130.662 (background)
a = 0.689 px
b = -0.006 px
c = 0.769 px
xc = 5.451 px
yc = 6.199 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 98968.2536
Standard deviation: 17.95473
R^2: 0.97569
Parameters:
a = 116.58702
b = 908.42148
c = 30.58429
d = 0.82168

Bead 1353

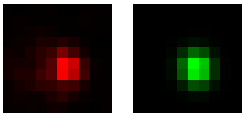
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

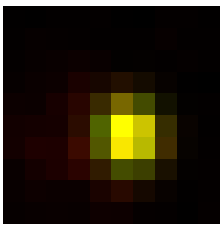
Coordinates : -83.8 um (x), 22.3 um (y), 30.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	471 nm	487 nm	223 nm
max	517 nm	534 nm	223 nm
z	1.39 um	1.4 um	885 nm
Asymmetry	0.912		
Theta	-77.9°		

XY profile & fitting parameters :

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

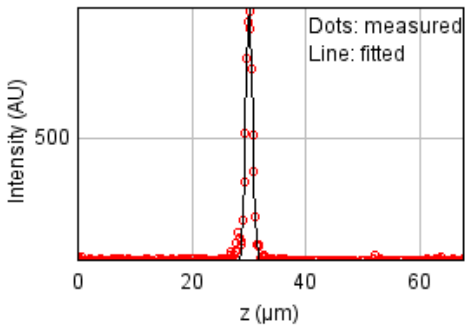




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 887.388 (brightness)
B = 136.895 (background)
a = 0.600 px
b = -0.021 px
c = 0.507 px
xc = 5.293 px
yc = 5.412 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36662.8203
Standard deviation: 10.92808
R^2: 0.98781
Parameters:
a = 114.02737
b = 916.08519
c = 30.13595
d = 0.59152

Bead 1354

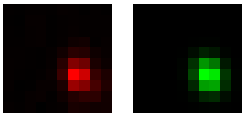
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

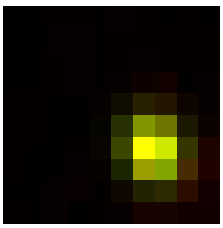
Coordinates : 19.5 um (x), 5.48 um (y), 30.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	434 nm	449 nm	223 nm
max	527 nm	544 nm	223 nm
z	1.42 um	1.43 um	885 nm
Asymmetry	0.825		
Theta	-70.7°		

XY profile & fitting parameters :

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

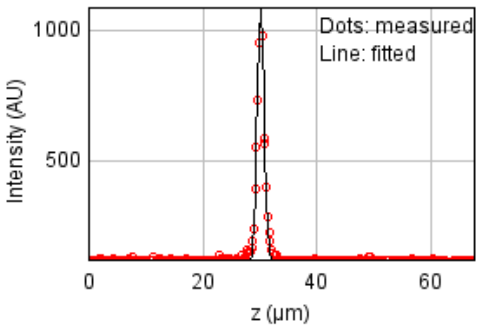




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 1073.240 (brightness)
B = 122.298 (background)
a = 0.686 px
b = -0.071 px
c = 0.509 px
xc = 6.438 px
yc = 6.086 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 75877.4219
Standard deviation: 15.72125
R^2: 0.98368
Parameters:
a = 114.78137
b = 1099.72525
c = 30.23686
d = 0.60428

Bead 1355

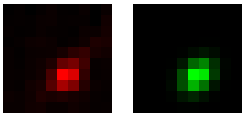
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

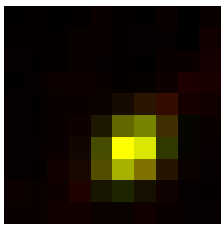
Coordinates : -145 um (x), -56.6 um (y), 29.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	419 nm	223 nm
max	536 nm	554 nm	223 nm
z	1.45 um	1.45 um	885 nm
Asymmetry	0.755		
Theta	46.0°		

XY profile & fitting parameters :

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

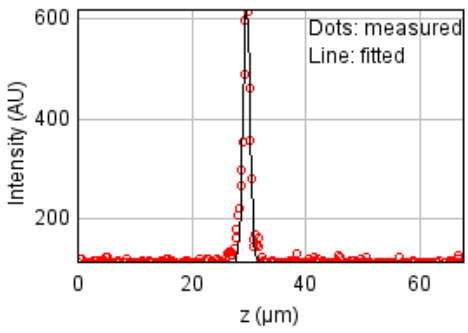




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 684.636 (brightness)
B = 123.051 (background)
a = 0.649 px
b = 0.176 px
c = 0.637 px
xc = 5.392 px
yc = 6.108 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46493.1915
Standard deviation: 12.30624
R^2: 0.96378
Parameters:
a = 111.93050
b = 619.99546
c = 29.66191
d = 0.61471

Bead 1356

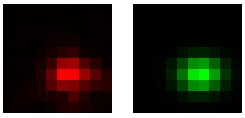
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

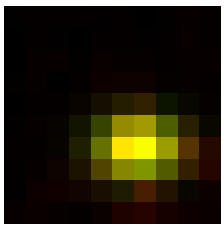
Coordinates : 23.2 um (x), -83.4 um (y), 29.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	508 nm	526 nm	223 nm
max	669 nm	692 nm	223 nm
z	1.46 um	1.47 um	885 nm
Asymmetry	0.76		
Theta	0.2°		

XY profile & fitting parameters :

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

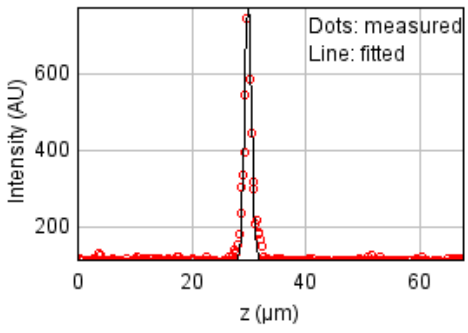




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 726.709 (brightness)
B = 122.539 (background)
a = 0.300 px
b = 0.001 px
c = 0.519 px
xc = 5.676 px
yc = 5.985 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 69697.8437
Standard deviation: 15.06748
R^2: 0.96759
Parameters:
a = 114.70839
b = 769.77944
c = 29.94387
d = 0.62205

Bead 1357 (Rejected)

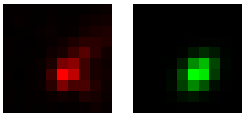
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

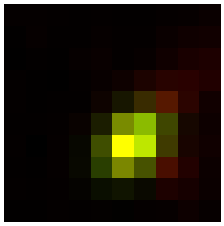
Coordinates : 96.0 um (x), 87.4 um (y), 30.5 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	556 nm	575 nm	223 nm
z	1.73 um	1.74 um	885 nm
Asymmetry	0.723		
Theta	46.3°		

XY profile & fitting parameters :

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

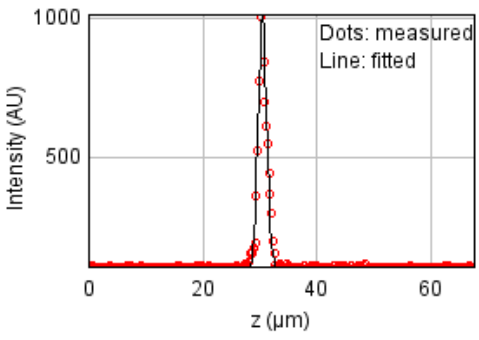




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.892

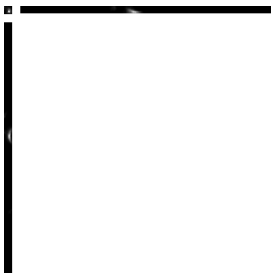
Parameters:
A = 909.461 (brightness)
B = 135.368 (background)
a = 0.641 px
b = 0.198 px
c = 0.623 px
xc = 5.472 px
yc = 5.838 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 121376.912
Standard deviation: 19.88378
R^2: 0.97426
Parameters:
a = 112.49374
b = 1011.16086
c = 30.53332
d = 0.73433

Bead 1358



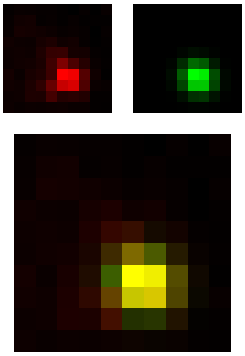
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -105 um (x), 58.2 um (y), 30.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	473 nm	489 nm	223 nm
max	512 nm	530 nm	223 nm
z	1.86 um	1.87 um	885 nm
Asymmetry	0.924		
Theta	-32.6°		

XY profile & fitting parameters :

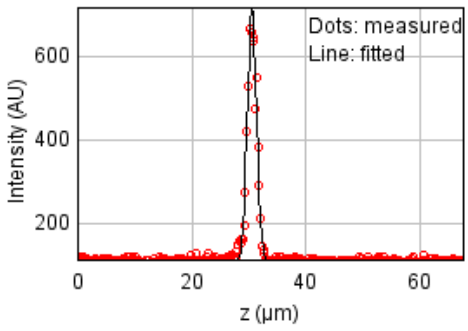
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 659.687 (brightness)
B = 132.539 (background)
a = 0.537 px
b = -0.040 px
c = 0.574 px
xc = 5.456 px
yc = 6.309 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 55234.9041
Standard deviation: 13.41336
R^2: 0.97602
Parameters:
a = 112.20516
b = 718.88435
c = 30.62165
d = 0.79087

Bead 1359

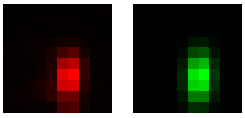
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

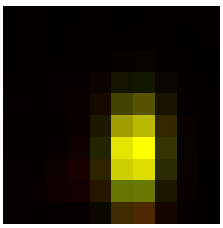
Coordinates : -34.0 um (x), 55.6 um (y), 30.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	413 nm	223 nm
max	760 nm	785 nm	223 nm
z	1.04 um	1.04 um	885 nm
Asymmetry	0.526		
Theta	87.8°		

XY profile & fitting parameters :

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

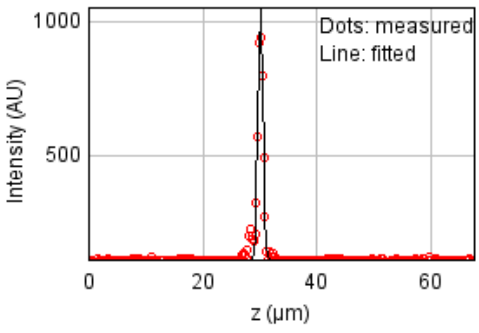




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1246.885 (brightness)
B = 126.775 (background)
a = 0.839 px
b = 0.023 px
c = 0.233 px
xc = 5.560 px
yc = 6.234 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 68053.6983
Standard deviation: 14.88870
R^2: 0.97848
Parameters:
a = 115.73523
b = 1061.01150
c = 30.20191
d = 0.43997

Bead 1360

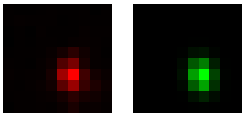
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

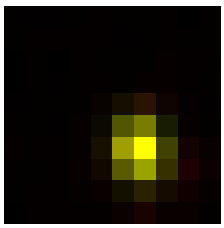
Coordinates : 3.91 um (x), 33.2 um (y), 30.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	393 nm	223 nm
max	485 nm	501 nm	223 nm
z	1.24 um	1.25 um	885 nm
Asymmetry	0.784		
Theta	-80.8°		

XY profile & fitting parameters :

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

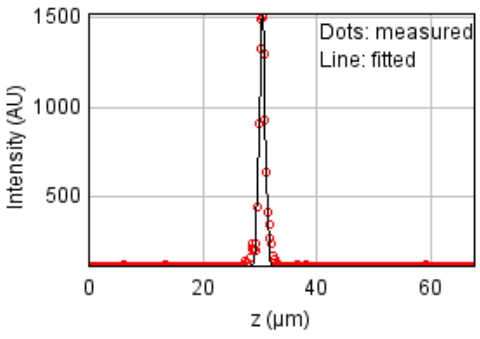




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1423.470 (brightness)
B = 124.454 (background)
a = 0.918 px
b = -0.057 px
c = 0.580 px
xc = 5.765 px
yc = 6.092 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 129210.031
Standard deviation: 20.51535
R^2: 0.98474
Parameters:
a = 116.35355
b = 1535.80678
c = 30.50234
d = 0.52836

Bead 1361

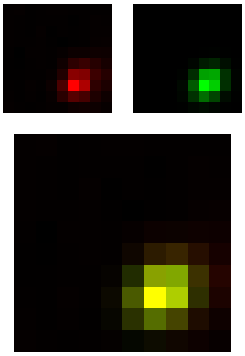
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 90.7 um (x), 17.9 um (y), 30.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	430 nm	223 nm
max	509 nm	526 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.818		
Theta	41.7°		

XY profile & fitting parameters :

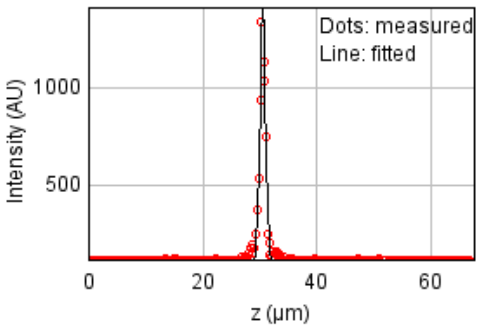
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1354.741 (brightness)
B = 127.078 (background)
a = 0.632 px
b = 0.128 px
c = 0.661 px
xc = 6.372 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: 191231.910
Standard deviation: 24.95807
R^2: 0.97116
Parameters:
a = 114.97582
b = 1409.14881
c = 30.58969
d = 0.48981

Bead 1362

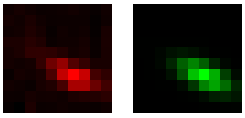
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

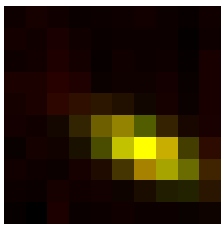
Coordinates : 156 um (x), -1.34 um (y), 29.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	368 nm	381 nm	223 nm
max	851 nm	880 nm	223 nm
z	1.79 um	1.79 um	885 nm
Asymmetry	0.432		
Theta	-25.0°		

XY profile & fitting parameters :

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

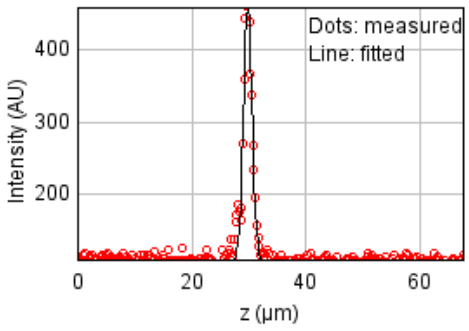




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 359.672 (brightness)
B = 114.440 (background)
a = 0.329 px
b = -0.309 px
c = 0.846 px
xc = 6.019 px
yc = 6.104 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29635.0254
Standard deviation: 9.82502
R^2: 0.96011
Parameters:
a = 109.51189
b = 458.02076
c = 29.89380
d = 0.75912

Bead 1363

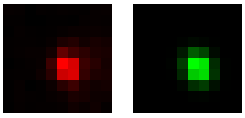
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

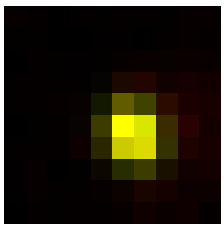
Coordinates : 85.2 um (x), -4.04 um (y), 30.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	477 nm	493 nm	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.844		
Theta	-63.9°		

XY profile & fitting parameters :

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

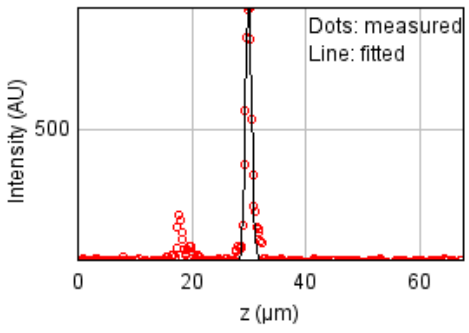




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 909.467 (brightness)
B = 125.789 (background)
a = 0.783 px
b = -0.094 px
c = 0.636 px
xc = 5.479 px
yc = 5.385 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 124246.153
Standard deviation: 20.11742
R^2: 0.95084
Parameters:
a = 118.39849
b = 866.00125
c = 30.03495
d = 0.54946

Bead 1364

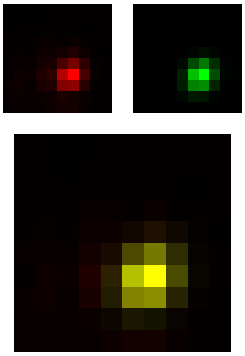
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -122 um (x), -12.3 um (y), 30.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	419 nm	223 nm
max	473 nm	489 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.857		
Theta	55.3°		

XY profile & fitting parameters :

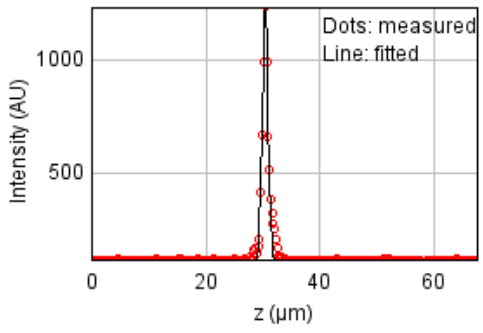
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1168.578 (brightness)
B = 126.666 (background)
a = 0.746 px
b = 0.101 px
c = 0.670 px
xc = 5.676 px
yc = 6.108 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 134460.314
Standard deviation: 20.92801
R^2: 0.97407
Parameters:
a = 114.71453
b = 1243.44235
c = 30.49412
d = 0.50550

Bead 1365

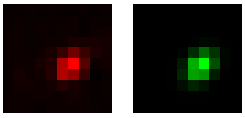
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

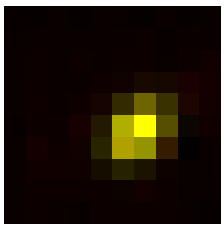
Coordinates : -147 um (x), -24.5 um (y), 30.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	366 nm	378 nm	223 nm
max	508 nm	525 nm	223 nm
z	1.14 um	1.14 um	885 nm
Asymmetry	0.721		
Theta	47.4°		

XY profile & fitting parameters :

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

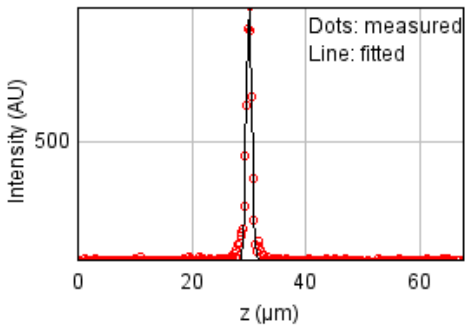




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 903.443 (brightness)
B = 120.909 (background)
a = 0.781 px
b = 0.240 px
c = 0.742 px
xc = 5.677 px
yc = 5.231 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45306.2658
Standard deviation: 12.14814
R^2: 0.98268
Parameters:
a = 112.18049
b = 935.14482
c = 30.12489
d = 0.48326

Bead 1366

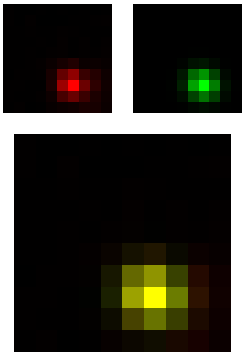
Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 67.3 um (x), -43.5 um (y), 30.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	453 nm	223 nm
max	487 nm	504 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.9		
Theta	-25.3°		

XY profile & fitting parameters :

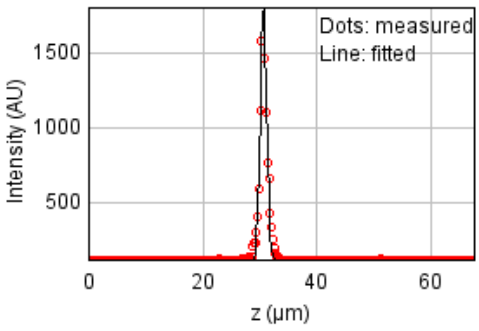
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1656.746 (brightness)
B = 125.856 (background)
a = 0.590 px
b = -0.051 px
c = 0.674 px
xc = 5.876 px
yc = 6.896 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 207048.781
Standard deviation: 25.96971
R^2: 0.98415
Parameters:
a = 116.02246
b = 1818.50749
c = 30.71316
d = 0.56734

Bead 1367 (Rejected)

Date : Mon Oct 17 13:29:00 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -139 um (x), -83.4 um (y), 28.5 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

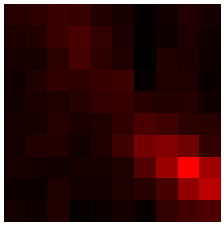
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

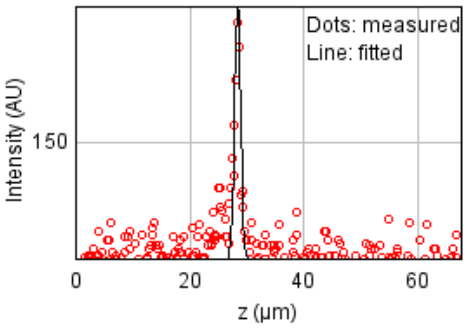
XY profile & fitting parameters :

(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: 15068.9279
Standard deviation: 7.00603
R^2: 0.66280
Parameters:
a = 111.38427
b = 195.75933
c = 28.46081
d = 0.53117

Bead 1368

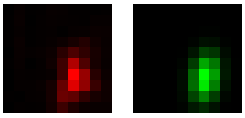
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

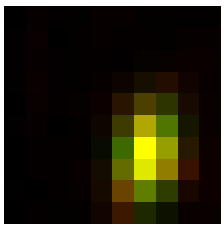
Coordinates : 15.6 um (x), 63.5 um (y), 30.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	452 nm	223 nm
max	732 nm	757 nm	223 nm
z	1.21 um	1.22 um	885 nm
Asymmetry	0.597		
Theta	81.3°		

XY profile & fitting parameters :

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

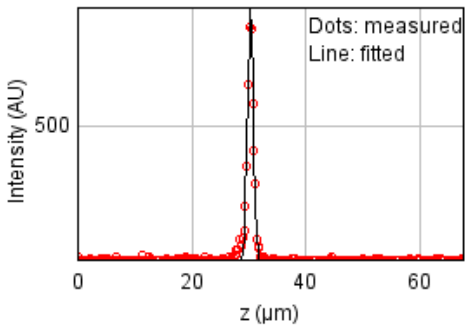




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

Parameters:
A = 730.455 (brightness)
B = 118.670 (background)
a = 0.691 px
b = 0.067 px
c = 0.261 px
xc = 6.125 px
yc = 6.289 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30739.1361
Standard deviation: 10.00637
R^2: 0.98574
Parameters:
a = 114.06246
b = 839.75520
c = 30.36253
d = 0.51482

Bead 1369 (Rejected)

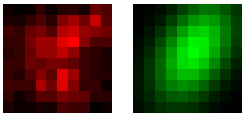
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

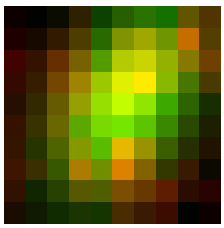
Coordinates : 130 um (x), 49.8 um (y), 29.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	1.03 um	1.07 um	223 nm
max	1.71 um	1.77 um	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.604		
Theta	60.9°		

XY profile & fitting parameters :

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

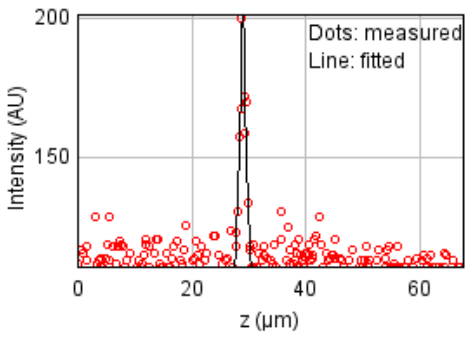




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.598

Parameters:
A = 86.762 (brightness)
B = 130.142 (background)
a = 0.107 px
b = 0.034 px
c = 0.065 px
xc = 5.147 px
yc = 3.763 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 12904.1372
Standard deviation: 6.48329
R^2: 0.72726
Parameters:
a = 110.47569
b = 201.24238
c = 29.01570
d = 0.53326

Bead 1370

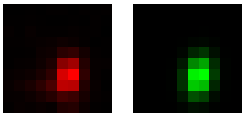
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

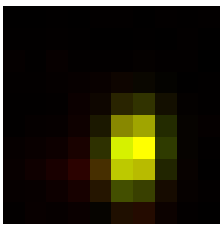
Coordinates : -49.2 um (x), 43.5 um (y), 30.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	429 nm	223 nm
max	607 nm	627 nm	223 nm
z	1.44 um	1.44 um	885 nm
Asymmetry	0.684		
Theta	80.5°		

XY profile & fitting parameters :

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

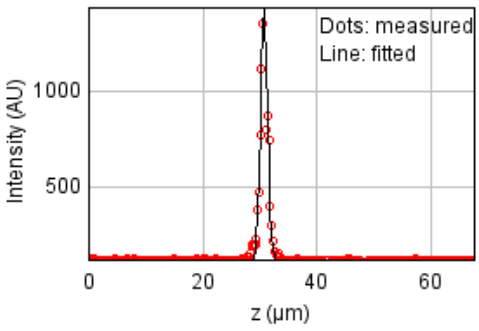




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

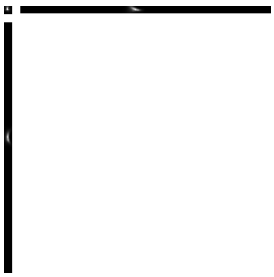
Parameters:
A = 1558.181 (brightness)
B = 134.348 (background)
a = 0.768 px
b = 0.068 px
c = 0.376 px
xc = 5.525 px
yc = 6.167 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 227204.090
Standard deviation: 27.20438
R^2: 0.97334
Parameters:
a = 114.64585
b = 1435.37947
c = 30.81806
d = 0.60972

Bead 1371 (Rejected)



Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -48.6 um (x), 42.9 um (y), 29.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

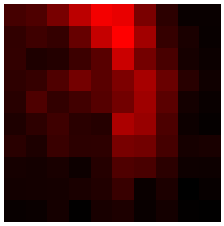
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

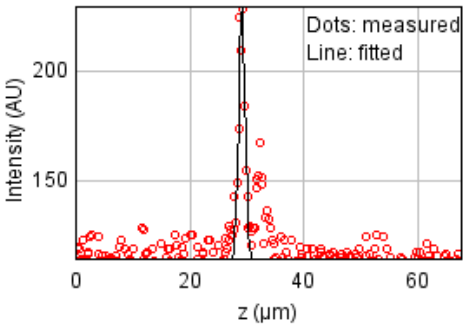
XY profile & fitting parameters :

(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: 25337.6144
Standard deviation: 9.08476
R^2: 0.70310
Parameters:
a = 114.14095
b = 230.49659
c = 29.19627
d = 0.56692

Bead 1372

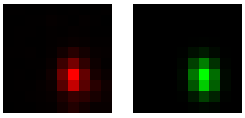
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

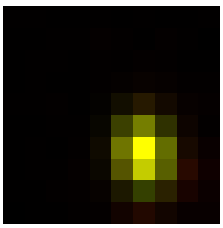
Coordinates : 20.2 um (x), 22.8 um (y), 31.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	416 nm	223 nm
max	540 nm	559 nm	223 nm
z	1.25 um	1.25 um	885 nm
Asymmetry	0.745		
Theta	-82.2°		

XY profile & fitting parameters :

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

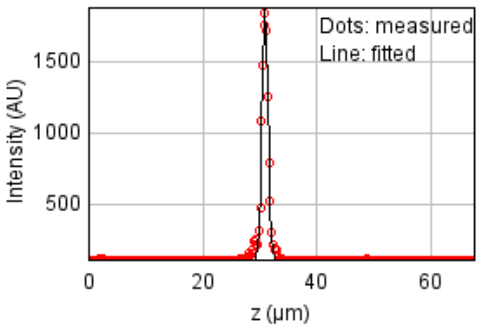




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

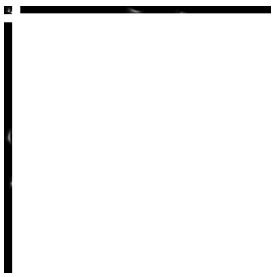
Parameters:
A = 1691.927 (brightness)
B = 134.249 (background)
a = 0.821 px
b = -0.049 px
c = 0.466 px
xc = 5.993 px
yc = 6.255 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 125203.472
Standard deviation: 20.19477
R^2: 0.99036
Parameters:
a = 116.47421
b = 1876.46527
c = 30.97850
d = 0.53019

Bead 1373



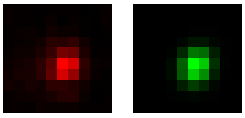
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

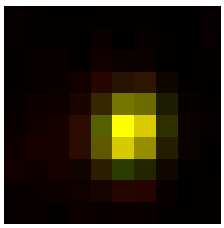
Coordinates : -94.3 um (x), 3.25 um (y), 30.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	459 nm	474 nm	223 nm
max	535 nm	553 nm	223 nm
z	1.76 um	1.77 um	885 nm
Asymmetry	0.858		
Theta	63.5°		

XY profile & fitting parameters :

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

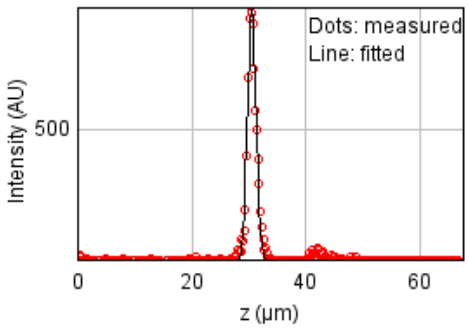




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 936.266 (brightness)
B = 133.844 (background)
a = 0.604 px
b = 0.067 px
c = 0.502 px
xc = 5.283 px
yc = 5.235 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 74733.0595
Standard deviation: 15.60225
R^2: 0.97753
Parameters:
a = 114.47671
b = 864.31371
c = 30.59813
d = 0.74679

Bead 1374

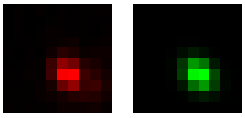
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

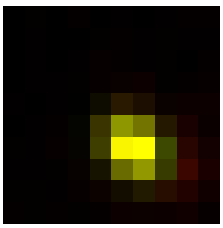
Coordinates : 52.7 um (x), -4.62 um (y), 30.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	420 nm	223 nm
max	518 nm	536 nm	223 nm
z	1.78 um	1.79 um	885 nm
Asymmetry	0.784		
Theta	-45.8°		

XY profile & fitting parameters :

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

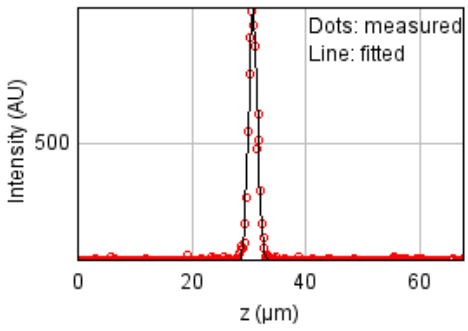




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 989.420 (brightness)
B = 123.864 (background)
a = 0.660 px
b = -0.156 px
c = 0.652 px
xc = 5.535 px
yc = 5.995 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 88165.7746
Standard deviation: 16.94653
R^2: 0.97903
Parameters:
a = 114.52624
b = 952.54362
c = 30.80560
d = 0.75752

Bead 1375

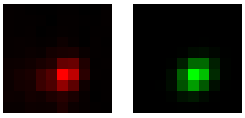
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

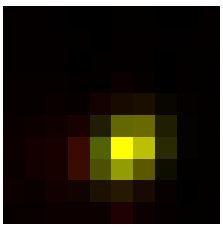
Coordinates : -92.8 um (x), -6.18 um (y), 30.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	422 nm	223 nm
max	515 nm	533 nm	223 nm
z	1.35 um	1.36 um	885 nm
Asymmetry	0.792		
Theta	38.1°		

XY profile & fitting parameters :

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

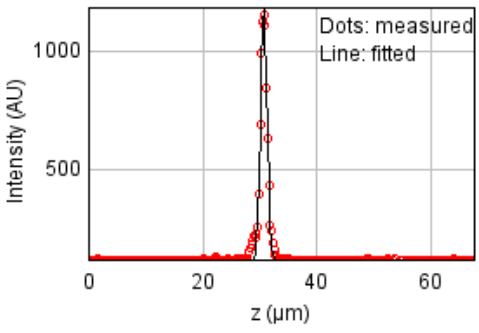




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 1039.457 (brightness)
B = 131.905 (background)
a = 0.620 px
b = 0.146 px
c = 0.692 px
xc = 5.248 px
yc = 6.096 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 64435.1321
Standard deviation: 14.48746
R^2: 0.98769
Parameters:
a = 114.05676
b = 1186.85751
c = 30.77554
d = 0.57469

Bead 1376

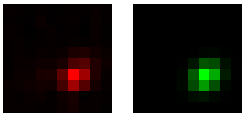
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

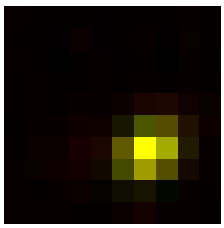
Coordinates : -143 um (x), -9.72 um (y), 30.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	395 nm	223 nm
max	468 nm	484 nm	223 nm
z	1.27 um	1.28 um	885 nm
Asymmetry	0.815		
Theta	37.6°		

XY profile & fitting parameters :

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

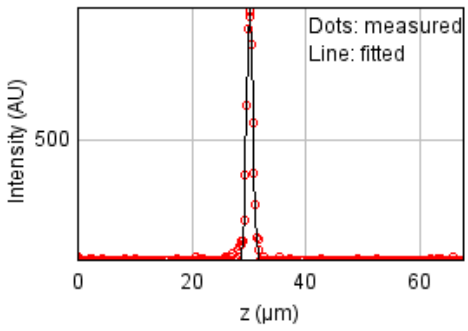




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 809.797 (brightness)
B = 121.791 (background)
a = 0.727 px
b = 0.149 px
c = 0.807 px
xc = 6.191 px
yc = 6.159 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28141.8085
Standard deviation: 9.57430
R^2: 0.99050
Parameters:
a = 111.57565
b = 944.13362
c = 30.24018
d = 0.54045

Bead 1377

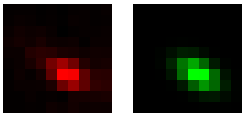
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

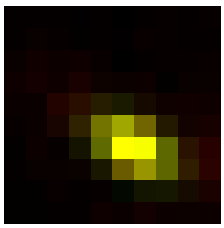
Coordinates : 133 um (x), -18.9 um (y), 30.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	405 nm	223 nm
max	676 nm	699 nm	223 nm
z	1.36 um	1.37 um	885 nm
Asymmetry	0.579		
Theta	-30.0°		

XY profile & fitting parameters :

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

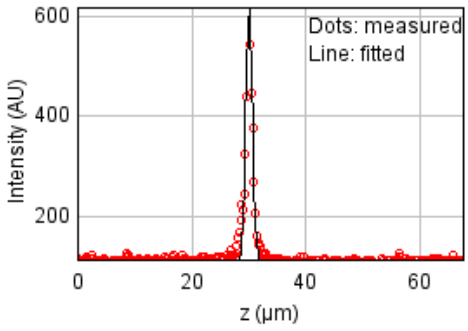




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 590.673 (brightness)
B = 120.475 (background)
a = 0.439 px
b = -0.252 px
c = 0.730 px
xc = 5.461 px
yc = 5.949 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47904.4230
Standard deviation: 12.49162
R^2: 0.95997
Parameters:
a = 112.09829
b = 616.68963
c = 30.13587
d = 0.57742

Bead 1378

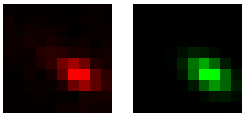
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

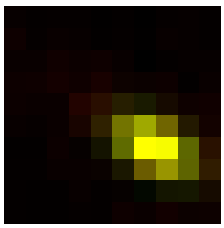
Coordinates : 133 um (x), -18.9 um (y), 30.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	407 nm	223 nm
max	674 nm	697 nm	223 nm
z	1.36 um	1.37 um	885 nm
Asymmetry	0.584		
Theta	-30.5°		

XY profile & fitting parameters :

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

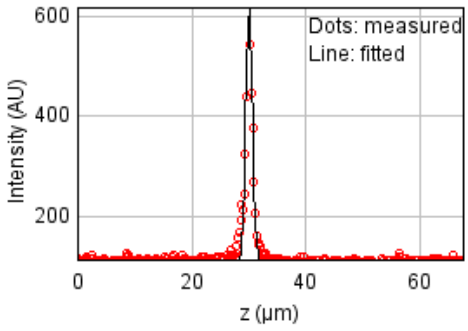




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 594.387 (brightness)
B = 117.915 (background)
a = 0.442 px
b = -0.249 px
c = 0.719 px
xc = 6.455 px
yc = 5.948 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47904.4230
Standard deviation: 12.49162
R^2: 0.95997
Parameters:
a = 112.09829
b = 616.68963
c = 30.13587
d = 0.57742

Bead 1379

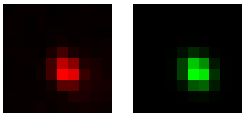
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

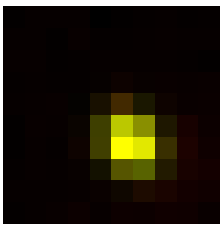
Coordinates : 65.6 um (x), -54.3 um (y), 30.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	415 nm	223 nm
max	479 nm	495 nm	223 nm
z	1.41 um	1.41 um	885 nm
Asymmetry	0.837		
Theta	-53.9°		

XY profile & fitting parameters :

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

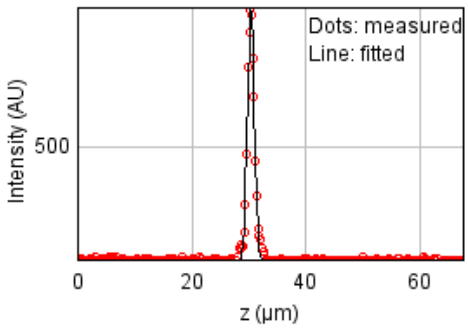




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 984.295 (brightness)
B = 120.014 (background)
a = 0.748 px
b = -0.119 px
c = 0.671 px
xc = 5.398 px
yc = 5.754 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35367.9181
Standard deviation: 10.73336
R^2: 0.99012
Parameters:
a = 113.62603
b = 985.06101
c = 30.44218
d = 0.59817

Bead 1380 (Rejected)

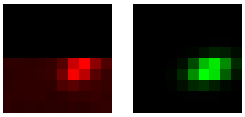
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

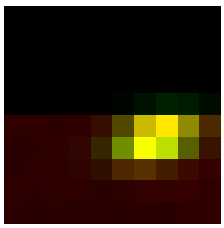
Coordinates : 141 um (x), 97.1 um (y), 30.8 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	359 nm	371 nm	223 nm
max	651 nm	673 nm	223 nm
z	1.51 um	1.51 um	885 nm
Asymmetry	0.551		
Theta	14.4°		

XY profile & fitting parameters :

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

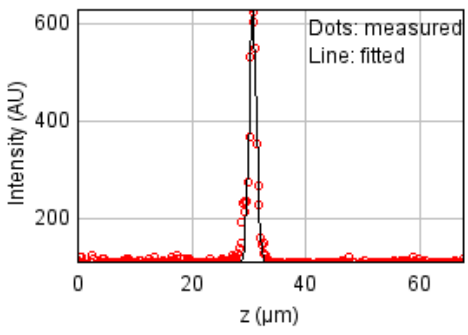




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.781

Parameters:
A = 705.140 (brightness)
B = 47.392 (background)
a = 0.361 px
b = 0.175 px
c = 0.998 px
xc = 6.524 px
yc = 5.568 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 55053.1618
Standard deviation: 13.39128
R^2: 0.96042
Parameters:
a = 110.87765
b = 628.81537
c = 30.77627
d = 0.63947

Bead 1381 (Rejected)

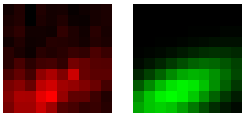
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

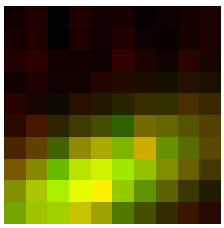
Coordinates : 130 um (x), 50.0 um (y), 29.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	786 nm	813 nm	223 nm
max	1.96 um	2.02 um	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.402		
Theta	22.3°		

XY profile & fitting parameters :

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

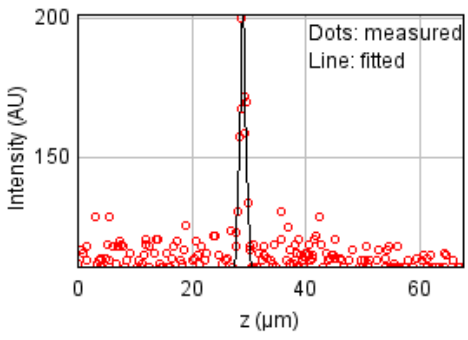




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.903

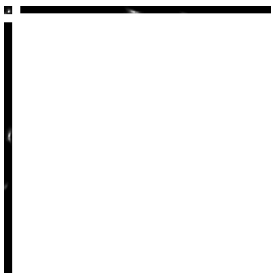
Parameters:
A = 111.792 (brightness)
B = 113.001 (background)
a = 0.061 px
b = 0.064 px
c = 0.191 px
xc = 3.349 px
yc = 7.688 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 12904.1372
Standard deviation: 6.48329
R^2: 0.72726
Parameters:
a = 110.47569
b = 201.24238
c = 29.01570
d = 0.53326

Bead 1382



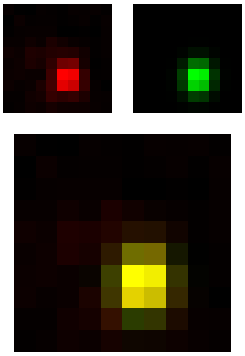
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -125 um (x), 43.3 um (y), 30.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	428 nm	442 nm	223 nm
max	505 nm	522 nm	223 nm
z	1.53 um	1.54 um	885 nm
Asymmetry	0.846		
Theta	85.6°		

XY profile & fitting parameters :

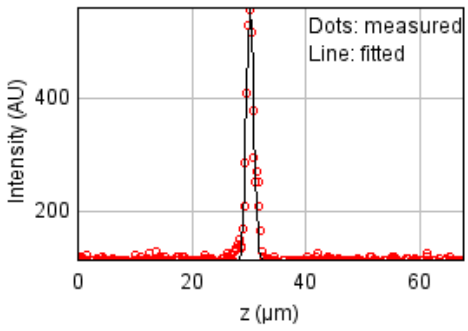
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 638.338 (brightness)
B = 122.317 (background)
a = 0.732 px
b = 0.016 px
c = 0.527 px
xc = 5.443 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: 47076.1016
Standard deviation: 12.38315
R^2: 0.95593
Parameters:
a = 112.50233
b = 561.25517
c = 30.29067
d = 0.65153

Bead 1383

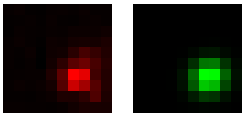
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

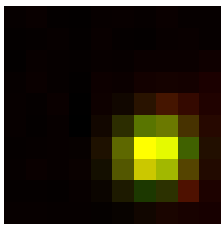
Coordinates : 75.1 um (x), 42.4 um (y), 31.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	505 nm	522 nm	223 nm
max	548 nm	567 nm	223 nm
z	1.85 um	1.85 um	885 nm
Asymmetry	0.922		
Theta	22.9°		

XY profile & fitting parameters :

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

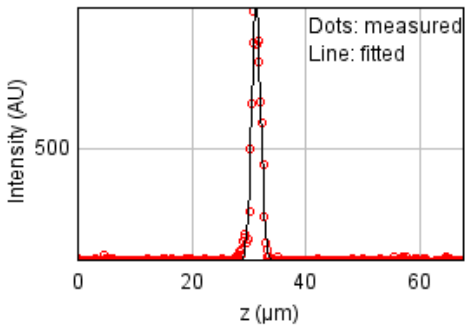




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.931

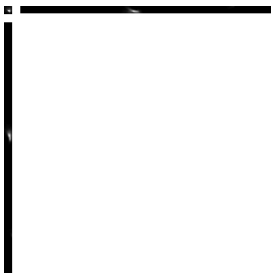
Parameters:
A = 766.472 (brightness)
B = 125.297 (background)
a = 0.459 px
b = 0.028 px
c = 0.514 px
xc = 6.459 px
yc = 6.234 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 79318.1900
Standard deviation: 16.07375
R^2: 0.98317
Parameters:
a = 114.51632
b = 989.15811
c = 31.36317
d = 0.78411

Bead 1384



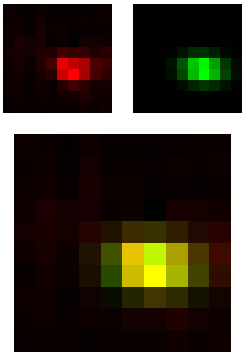
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 135 um (x), 26.1 um (y), 30.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	647 nm	669 nm	223 nm
z	1.8 um	1.8 um	885 nm
Asymmetry	0.632		
Theta	-5.3°		

XY profile & fitting parameters :

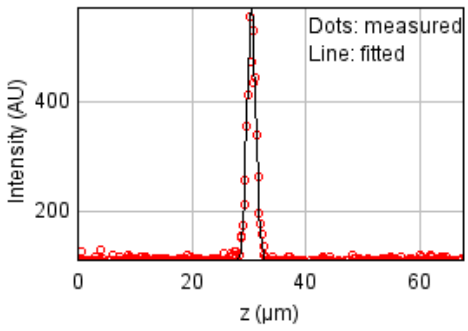
(red : the orignal data, green : the fit, yellow : the two merged)



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

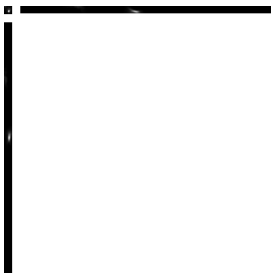
Parameters:
A = 555.447 (brightness)
B = 117.067 (background)
a = 0.325 px
b = -0.044 px
c = 0.798 px
xc = 5.909 px
yc = 5.518 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44573.4314
Standard deviation: 12.04950
R^2: 0.96568
Parameters:
a = 111.06385
b = 572.04306
c = 30.52870
d = 0.76297

Bead 1385



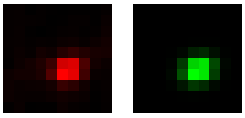
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

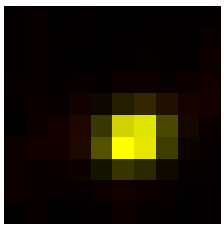
Coordinates : -157 um (x), 2.08 um (y), 30.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	477 nm	493 nm	223 nm
z	1.39 um	1.4 um	885 nm
Asymmetry	0.805		
Theta	18.1°		

XY profile & fitting parameters :

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

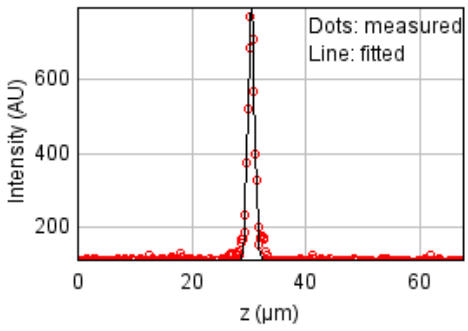




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 1049.054 (brightness)
B = 128.323 (background)
a = 0.620 px
b = 0.095 px
c = 0.879 px
xc = 5.482 px
yc = 5.559 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37103.4463
Standard deviation: 10.99355
R^2: 0.98318
Parameters:
a = 112.73792
b = 798.45756
c = 30.50621
d = 0.59091

Bead 1386

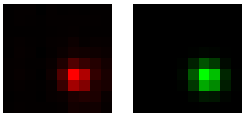
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

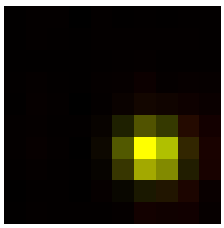
Coordinates : 85.9 um (x), -10.2 um (y), 30.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	428 nm	223 nm
max	452 nm	468 nm	223 nm
z	1.47 um	1.47 um	885 nm
Asymmetry	0.914		
Theta	-20.6°		

XY profile & fitting parameters :

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

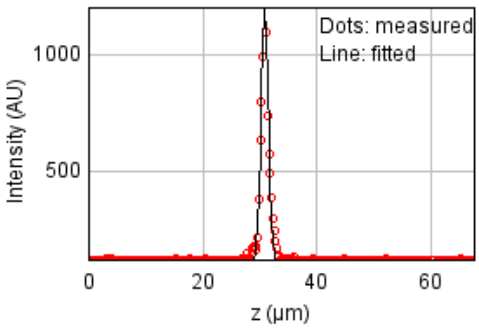




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1198.575 (brightness)
B = 122.975 (background)
a = 0.671 px
b = -0.042 px
c = 0.768 px
xc = 6.300 px
yc = 6.247 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 106498.624
Standard deviation: 18.62528
R^2: 0.98216
Parameters:
a = 114.49619
b = 1213.51807
c = 30.93128
d = 0.62292

Bead 1387

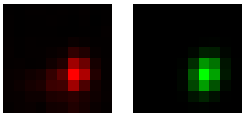
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

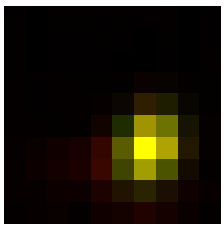
Coordinates : -70.1 um (x), -39.2 um (y), 31.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	430 nm	223 nm
max	532 nm	550 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.782		
Theta	69.4°		

XY profile & fitting parameters :

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

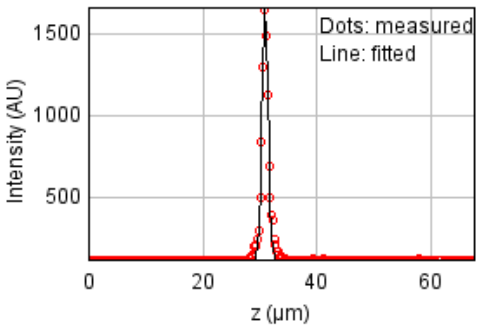




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

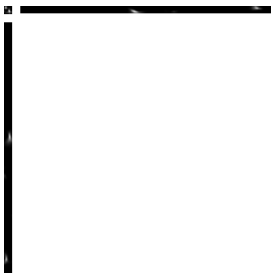
Parameters:
A = 1553.873 (brightness)
B = 140.685 (background)
a = 0.739 px
b = 0.099 px
c = 0.512 px
xc = 6.194 px
yc = 5.993 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 140195.895
Standard deviation: 21.36970
R^2: 0.98633
Parameters:
a = 116.21058
b = 1665.97752
c = 30.98666
d = 0.53785

Bead 1388



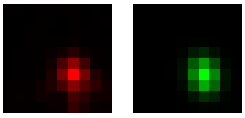
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

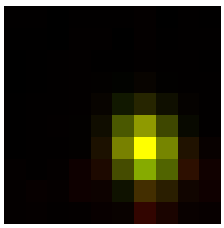
Coordinates : -6.6 um (x), -69.3 um (y), 30.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	442 nm	457 nm	223 nm
max	552 nm	571 nm	223 nm
z	1.35 um	1.35 um	885 nm
Asymmetry	0.8		
Theta	-75.2°		

XY profile & fitting parameters :

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

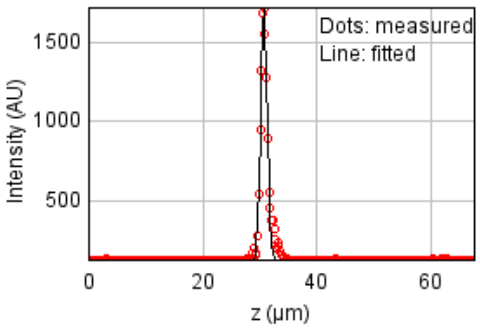




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

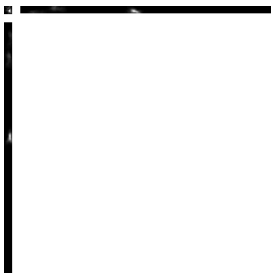
Parameters:
A = 1458.147 (brightness)
B = 132.383 (background)
a = 0.671 px
b = -0.061 px
c = 0.456 px
xc = 6.016 px
yc = 6.060 px

Z profile & fitting parameters:



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

Bead 1389 (Rejected)



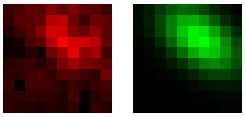
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

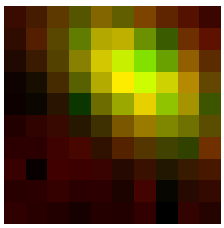
Coordinates : -132 um (x), -85.3 um (y), 10.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	800 nm	827 nm	223 nm
max	1.36 um	1.41 um	223 nm
z	3.55 um	3.57 um	885 nm
Asymmetry	0.588		
Theta	-37.5°		

XY profile & fitting parameters :

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

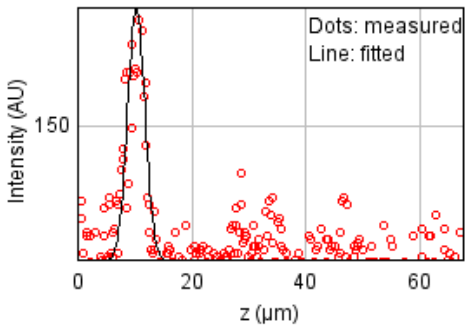




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.813

Parameters:
A = 90.018 (brightness)
B = 119.953 (background)
a = 0.123 px
b = -0.066 px
c = 0.159 px
xc = 5.628 px
yc = 2.724 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22725.7611
Standard deviation: 8.60379
R^2: 0.72364
Parameters:
a = 111.52526
b = 184.43052
c = 10.35976
d = 1.50869

Bead 1390 (Rejected)

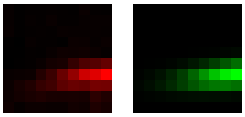
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -18.8 um (x), -93.7 um (y), 27.5 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	411 nm	223 nm
max	1.79 um	1.85 um	223 nm
z	1.87 um	1.88 um	885 nm
Asymmetry	0.222		
Theta	5.9°		

XY profile & fitting parameters :

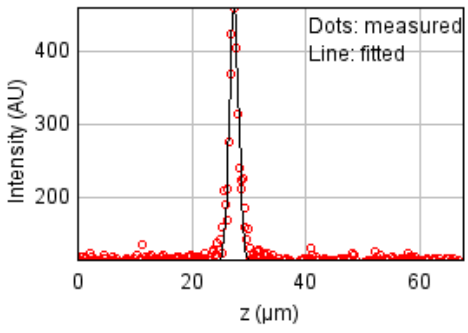
(red : the orignal data, green : the fit, yellow : the two merged)



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 = 594.424 (brightness)
B = 118.746 (background)
a = 0.051 px
b = 0.083 px
c = 0.839 px
xc = 9.375 px
yc = 5.968 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38221.3634
Standard deviation: 11.15794
R^2: 0.95031
Parameters:
a = 114.37724
b = 459.36260
c = 27.48036
d = 0.79549

Bead 1391

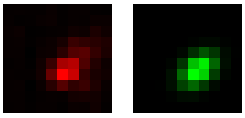
Date : Mon Oct 17 13:29:01 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

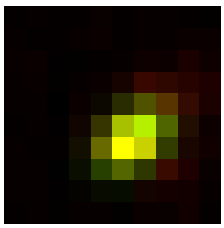
Coordinates : 109 um (x), 59.7 um (y), 30.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	430 nm	223 nm
max	610 nm	631 nm	223 nm
z	1.67 um	1.68 um	885 nm
Asymmetry	0.681		
Theta	40.6°		

XY profile & fitting parameters :

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

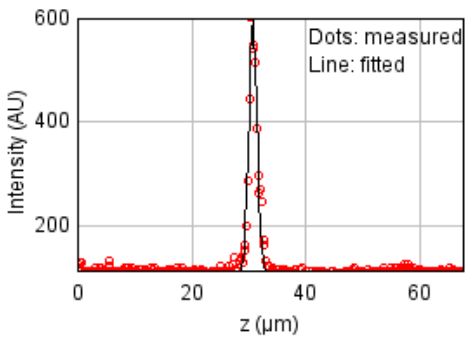




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.921

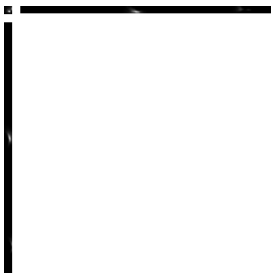
Parameters:
A = 680.917 (brightness)
B = 123.718 (background)
a = 0.537 px
b = 0.206 px
c = 0.601 px
xc = 5.482 px
yc = 5.570 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56560.7257
Standard deviation: 13.57339
R^2: 0.95872
Parameters:
a = 112.16647
b = 600.19930
c = 30.79413
d = 0.71103

Bead 1392



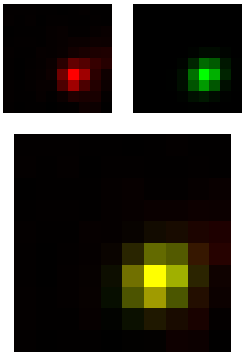
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 117 um (x), 56.5 um (y), 31.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	433 nm	223 nm
max	502 nm	519 nm	223 nm
z	1.49 um	1.49 um	885 nm
Asymmetry	0.834		
Theta	33.6°		

XY profile & fitting parameters :

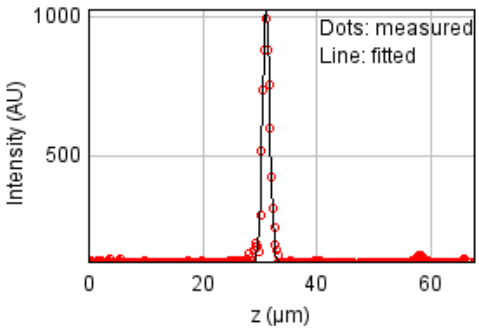
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 872.458 (brightness)
B = 121.160 (background)
a = 0.603 px
b = 0.107 px
c = 0.693 px
xc = 6.168 px
yc = 6.111 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 52404.2567
Standard deviation: 13.06514
R^2: 0.98755
Parameters:
a = 113.93724
b = 1032.75544
c = 31.17658
d = 0.63229

Bead 1393

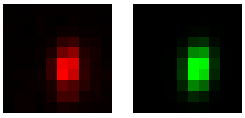
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

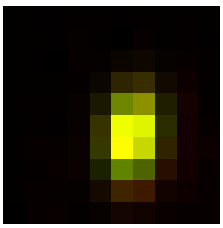
Coordinates : 9.34 um (x), 31.4 um (y), 30.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	414 nm	223 nm
max	649 nm	671 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.617		
Theta	83.3°		

XY profile & fitting parameters :

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

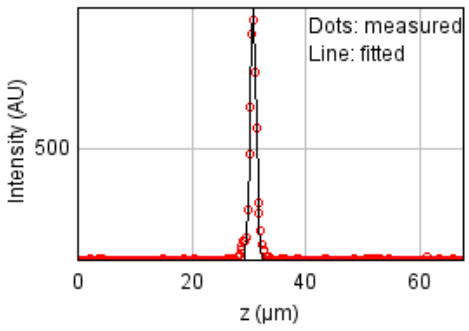




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

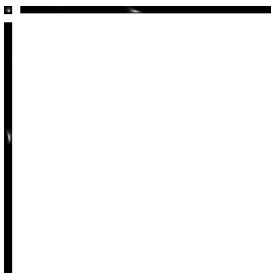
Parameters:
A = 1119.410 (brightness)
B = 124.868 (background)
a = 0.829 px
b = 0.060 px
c = 0.325 px
xc = 5.445 px
yc = 5.410 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47731.7466
Standard deviation: 12.46908
R^2: 0.98549
Parameters:
a = 113.85007
b = 996.26641
c = 30.84882
d = 0.53155

Bead 1394



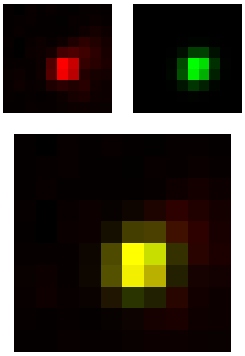
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 101 um (x), 21.7 um (y), 30.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	410 nm	424 nm	223 nm
max	463 nm	479 nm	223 nm
z	1.38 um	1.39 um	885 nm
Asymmetry	0.886		
Theta	38.4°		

XY profile & fitting parameters :

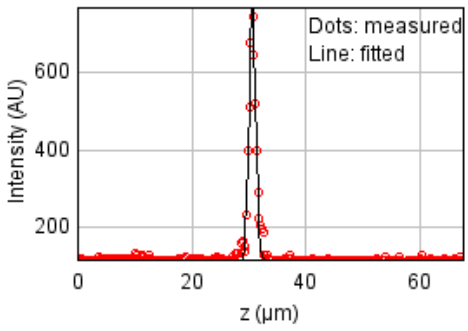
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 771.823 (brightness)
B = 124.009 (background)
a = 0.692 px
b = 0.084 px
c = 0.732 px
xc = 5.345 px
yc = 5.417 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40522.6679
Standard deviation: 11.48894
R^2: 0.98043
Parameters:
a = 113.36654
b = 779.14648
c = 30.70023
d = 0.58638

Bead 1395

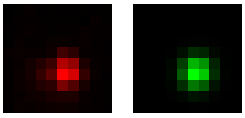
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

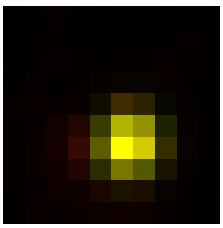
Coordinates : -112 um (x), -53.6 um (y), 31.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	459 nm	475 nm	223 nm
max	493 nm	510 nm	223 nm
z	1.39 um	1.4 um	885 nm
Asymmetry	0.932		
Theta	75.2°		

XY profile & fitting parameters :

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

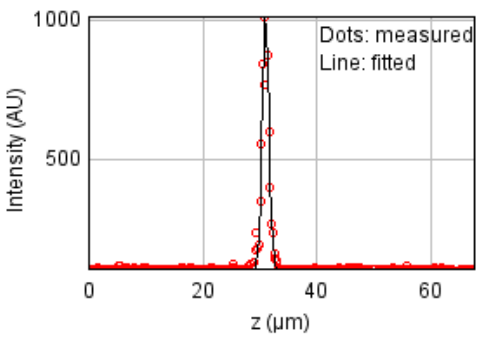




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 956.526 (brightness)
B = 124.796 (background)
a = 0.631 px
b = 0.021 px
c = 0.557 px
xc = 5.316 px
yc = 5.804 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 77465.4480
Standard deviation: 15.88491
R^2: 0.97976
Parameters:
a = 111.98730
b = 1013.27903
c = 31.07403
d = 0.59118

Bead 1396

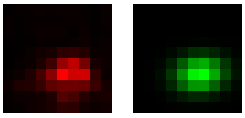
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

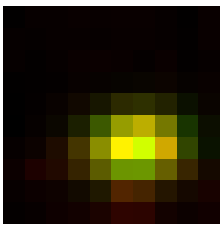
Coordinates : -33.3 um (x), -70.8 um (y), 31.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	541 nm	560 nm	223 nm
max	757 nm	782 nm	223 nm
z	1.68 um	1.69 um	885 nm
Asymmetry	0.716		
Theta	5.9°		

XY profile & fitting parameters :

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

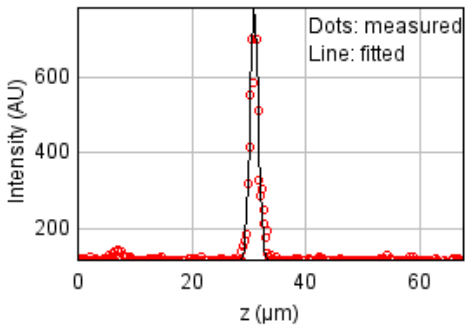




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.927

Parameters:
A = 554.068 (brightness)
B = 119.418 (background)
a = 0.237 px
b = 0.023 px
c = 0.456 px
xc = 5.624 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: 121922.190
Standard deviation: 19.92839
R^2: 0.95271
Parameters:
a = 116.74853
b = 782.61489
c = 31.00279
d = 0.71433

Bead 1397

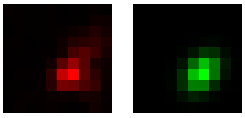
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

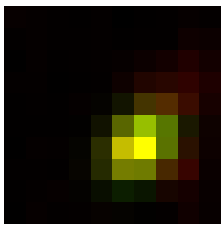
Coordinates : 91.5 um (x), 82.3 um (y), 31.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	454 nm	223 nm
max	602 nm	622 nm	223 nm
z	2.03 um	2.03 um	885 nm
Asymmetry	0.729		
Theta	49.0°		

XY profile & fitting parameters :

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

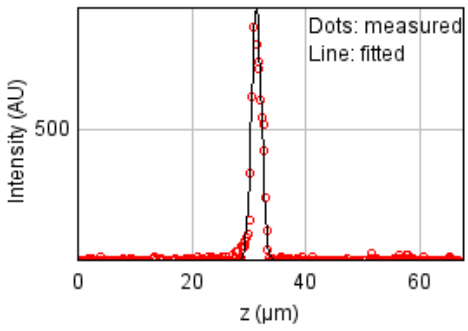




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.905

Parameters:
A = 784.223 (brightness)
B = 130.307 (background)
a = 0.556 px
b = 0.162 px
c = 0.511 px
xc = 5.820 px
yc = 5.842 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 174378.005
Standard deviation: 23.83289
R^2: 0.95559
Parameters:
a = 113.30166
b = 866.27030
c = 31.41214
d = 0.86012

Bead 1398

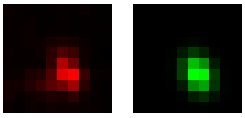
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

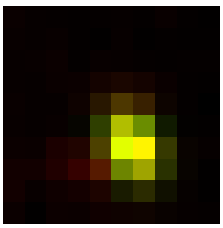
Coordinates : -61.3 um (x), 79.2 um (y), 31.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	434 nm	223 nm
max	567 nm	586 nm	223 nm
z	1.67 um	1.67 um	885 nm
Asymmetry	0.741		
Theta	-66.5°		

XY profile & fitting parameters :

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

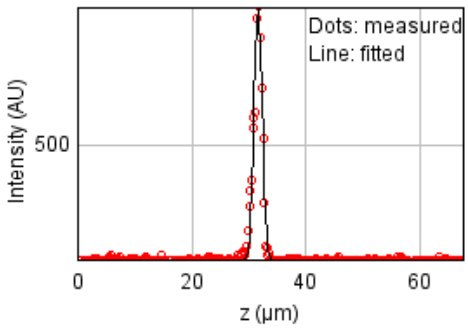




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.935

Parameters:
A = 906.614 (brightness)
B = 128.814 (background)
a = 0.705 px
b = -0.126 px
c = 0.472 px
xc = 5.454 px
yc = 5.932 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 112487.493
Standard deviation: 19.14181
R^2: 0.97243
Parameters:
a = 112.96886
b = 962.72000
c = 31.69628
d = 0.70819

Bead 1399

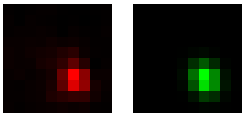
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

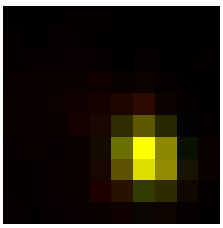
Coordinates : -130 um (x), 42.4 um (y), 31.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	430 nm	223 nm
max	488 nm	504 nm	223 nm
z	1.43 um	1.43 um	885 nm
Asymmetry	0.853		
Theta	-64.6°		

XY profile & fitting parameters :

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

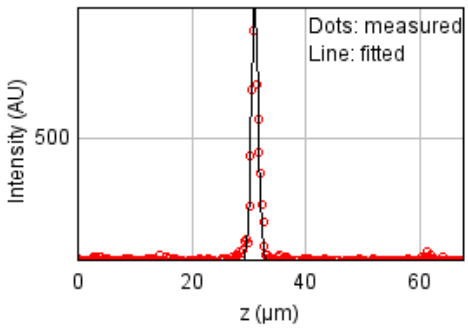




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 933.639 (brightness)
B = 129.591 (background)
a = 0.735 px
b = -0.081 px
c = 0.602 px
xc = 6.110 px
yc = 6.397 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 120107.990
Standard deviation: 19.77957
R^2: 0.96213
Parameters:
a = 114.09150
b = 917.36496
c = 31.11367
d = 0.60628

Bead 1400

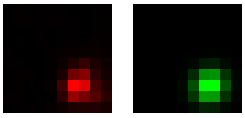
Date : Mon Oct 17 13:29:02 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

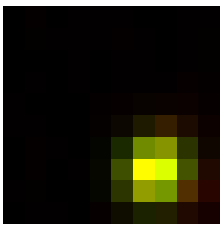
Coordinates : 34.9 um (x), 42.9 um (y), 32.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	480 nm	496 nm	223 nm
max	508 nm	525 nm	223 nm
z	1.69 um	1.7 um	885 nm
Asymmetry	0.944		
Theta	61.5°		

XY profile & fitting parameters :

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

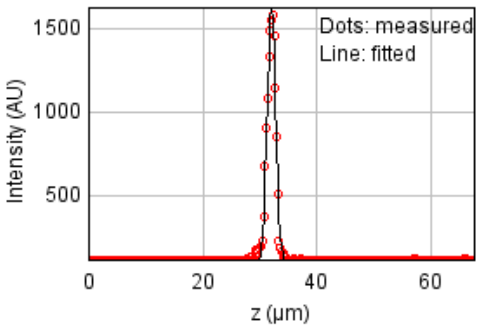




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 1469.577 (brightness)
B = 125.501 (background)
a = 0.568 px
b = 0.026 px
c = 0.534 px
xc = 6.512 px
yc = 7.033 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 108366.995
Standard deviation: 18.78795
R^2: 0.99158
Parameters:
a = 114.10783
b = 1626.29332
c = 32.11064
d = 0.71945