Bead 801

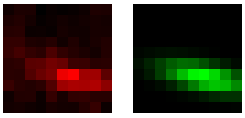
Date : Mon Oct 17 13:28:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

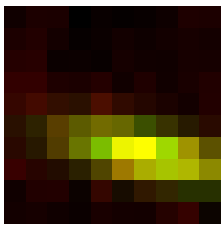
Coordinates : 163 um (x), 37.3 um (y), 16.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	1.35 um	1.39 um	223 nm
z	2.64 um	2.65 um	885 nm
Asymmetry	0.303		
Theta	-12.2°		

XY profile & fitting parameters :

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

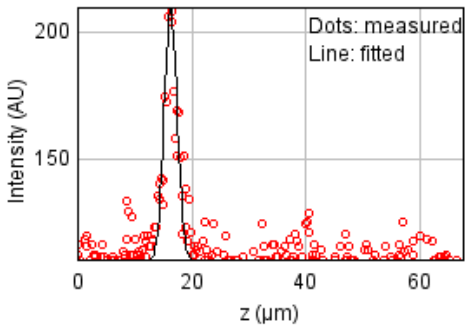




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.904

Parameters:
A = 134.834 (brightness)
B = 114.977 (background)
a = 0.107 px
b = -0.151 px
c = 0.776 px
xc = 6.088 px
yc = 6.266 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20211.9163
Standard deviation: 8.11399
R^2: 0.80768
Parameters:
a = 110.39291
b = 210.25851
c = 16.37603
d = 1.12228

Bead 802

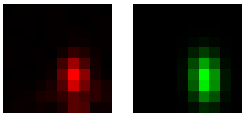
Date : Mon Oct 17 13:28:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

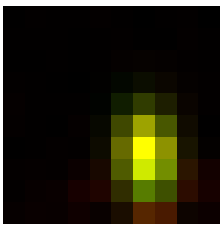
Coordinates : 1.79 um (x), -13.7 um (y), 17.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	431 nm	445 nm	223 nm
max	707 nm	731 nm	223 nm
z	1.66 um	1.66 um	885 nm
Asymmetry	0.609		
Theta	-85.9°		

XY profile & fitting parameters :

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

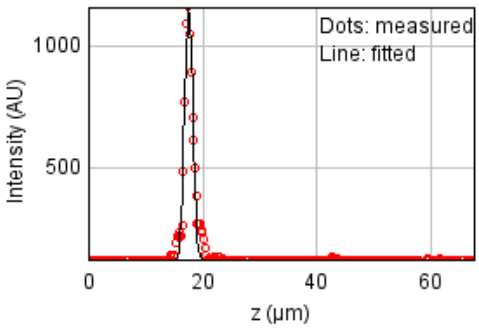




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.944

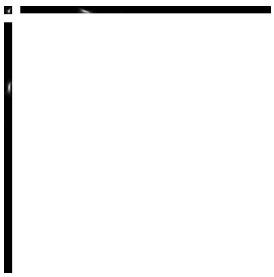
Parameters:
A = 987.465 (brightness)
B = 126.230 (background)
a = 0.721 px
b = -0.032 px
c = 0.271 px
xc = 6.125 px
yc = 6.347 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 204314.093
Standard deviation: 25.79764
R^2: 0.96667
Parameters:
a = 116.47360
b = 1158.28461
c = 17.61505
d = 0.70362

Bead 803



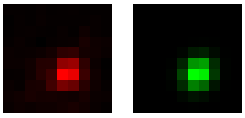
Date : Mon Oct 17 13:28:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

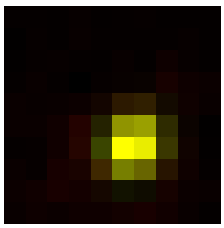
Coordinates : -113 um (x), -40.2 um (y), 17.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	439 nm	223 nm
max	482 nm	498 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.882		
Theta	57.8°		

XY profile & fitting parameters :

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

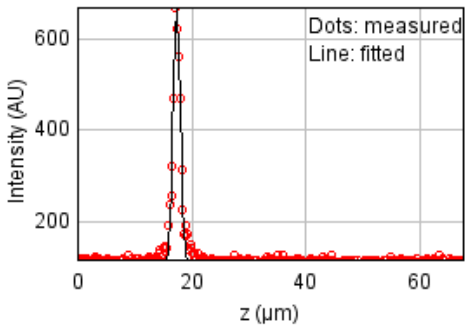




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 703.661 (brightness)
B = 125.116 (background)
a = 0.696 px
b = 0.075 px
c = 0.624 px
xc = 5.459 px
yc = 5.882 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 42506.4985
Standard deviation: 11.76680
R^2: 0.97150
Parameters:
a = 114.40783
b = 670.99952
c = 17.44520
d = 0.59927

Bead 804

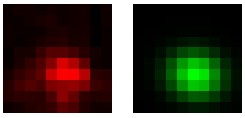
Date : Mon Oct 17 13:28:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

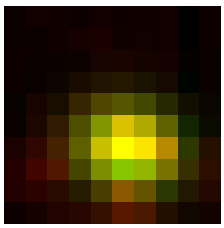
Coordinates : -12.9 um (x), -93.3 um (y), 17.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	701 nm	725 nm	223 nm
max	826 nm	854 nm	223 nm
z	1.99 um	2.0 um	885 nm
Asymmetry	0.849		
Theta	-12.9°		

XY profile & fitting parameters :

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

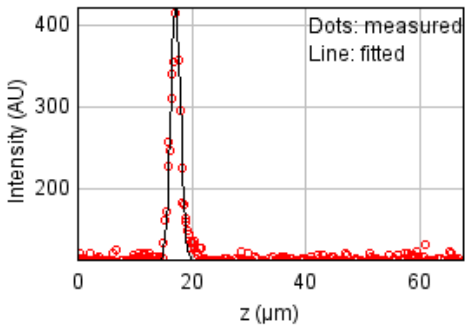




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.903

Parameters:
A = 284.514 (brightness)
B = 122.348 (background)
a = 0.200 px
b = -0.017 px
c = 0.269 px
xc = 5.228 px
yc = 6.025 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31091.9110
Standard deviation: 10.06363
R^2: 0.95301
Parameters:
a = 112.46147
b = 423.49383
c = 17.25652
d = 0.84650

Bead 805

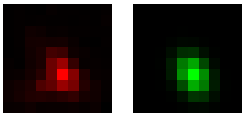
Date : Mon Oct 17 13:28:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

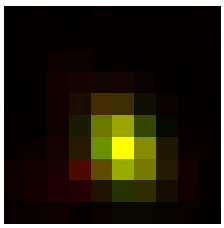
Coordinates : -66.2 um (x), 88.0 um (y), 18.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	452 nm	468 nm	223 nm
max	622 nm	643 nm	223 nm
z	1.4 um	1.4 um	885 nm
Asymmetry	0.727		
Theta	-62.3°		

XY profile & fitting parameters :

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

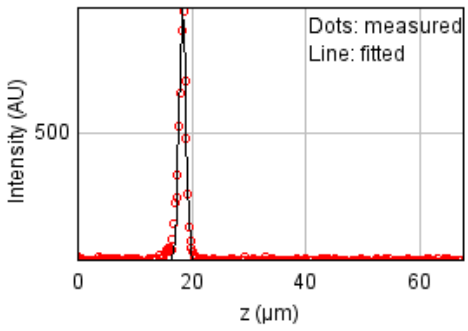




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.933

Parameters:
A = 760.240 (brightness)
B = 133.310 (background)
a = 0.589 px
b = -0.127 px
c = 0.414 px
xc = 4.992 px
yc = 6.019 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 63862.2843
Standard deviation: 14.42291
R^2: 0.97716
Parameters:
a = 114.51512
b = 882.20508
c = 18.45807
d = 0.59397

Bead 806

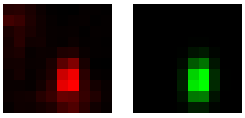
Date : Mon Oct 17 13:28:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

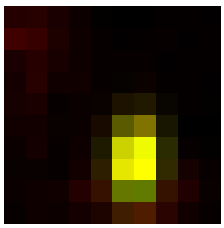
Coordinates : -4.71 um (x), 14.4 um (y), 17.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	385 nm	223 nm
max	598 nm	618 nm	223 nm
z	1.5 um	1.5 um	885 nm
Asymmetry	0.624		
Theta	86.4°		

XY profile & fitting parameters :

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

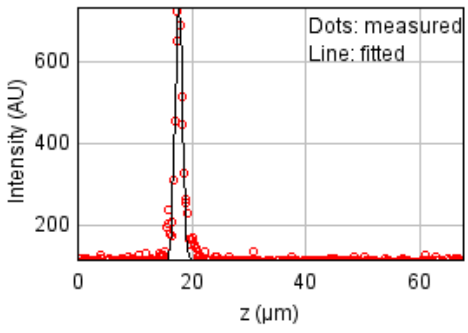




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.926

Parameters:
A = 977.506 (brightness)
B = 156.696 (background)
a = 0.963 px
b = 0.037 px
c = 0.378 px
xc = 5.568 px
yc = 6.569 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 84814.9755
Standard deviation: 16.62138
R^2: 0.95663
Parameters:
a = 117.10355
b = 731.55069
c = 17.80199
d = 0.63622

Bead 807

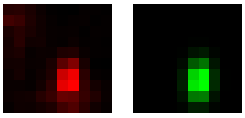
Date : Mon Oct 17 13:28:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

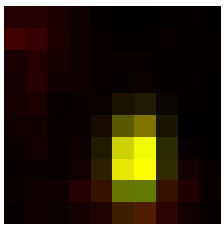
Coordinates : -4.71 um (x), 14.4 um (y), 17.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	385 nm	223 nm
max	598 nm	618 nm	223 nm
z	1.5 um	1.5 um	885 nm
Asymmetry	0.624		
Theta	86.4°		

XY profile & fitting parameters :

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

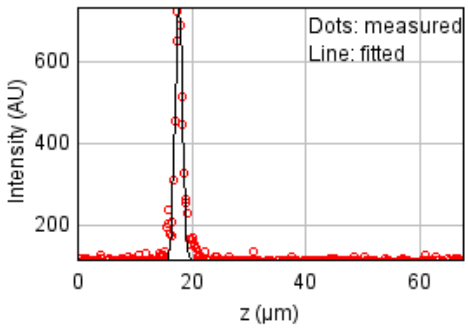




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.926

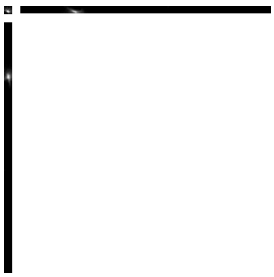
Parameters:
A = 977.506 (brightness)
B = 156.696 (background)
a = 0.963 px
b = 0.037 px
c = 0.378 px
xc = 5.568 px
yc = 6.569 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 84814.9755
Standard deviation: 16.62138
R^2: 0.95663
Parameters:
a = 117.10355
b = 731.55069
c = 17.80199
d = 0.63622

Bead 808



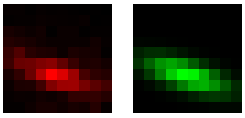
Date : Mon Oct 17 13:28:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

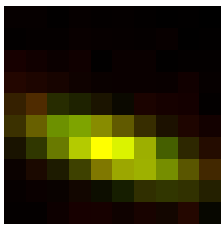
Coordinates : 130 um (x), 11.0 um (y), 14.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	426 nm	440 nm	223 nm
max	1.31 um	1.36 um	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.325		
Theta	-17.7°		

XY profile & fitting parameters :

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

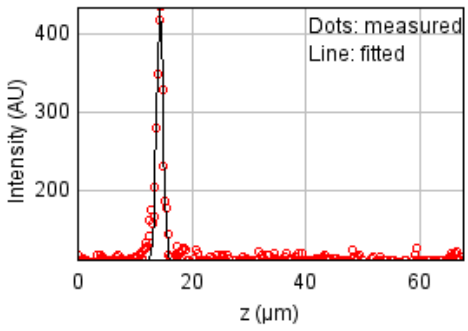




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 272.170 (brightness)
B = 116.143 (background)
a = 0.139 px
b = -0.192 px
c = 0.678 px
xc = 4.401 px
yc = 6.056 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23453.0923
Standard deviation: 8.74039
R^2: 0.95125
Parameters:
a = 112.07861
b = 432.98683
c = 14.47992
d = 0.56854

Bead 809 (Rejected)

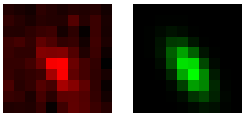
Date : Mon Oct 17 13:28:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

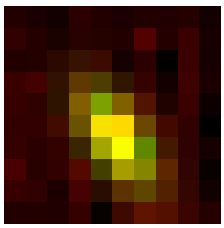
Coordinates : -86.3 um (x), 544 nm (y), 15.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	444 nm	459 nm	223 nm
max	892 nm	923 nm	223 nm
z	1.81 um	1.81 um	885 nm
Asymmetry	0.498		
Theta	-56.8°		

XY profile & fitting parameters :

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

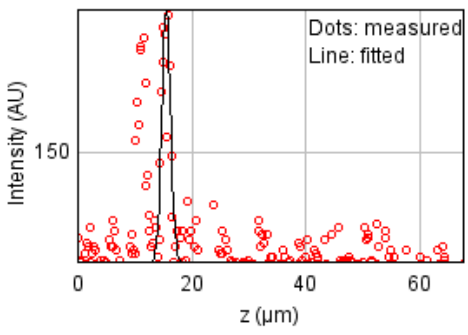




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.844

Parameters:
A = 122.513 (brightness)
B = 124.018 (background)
a = 0.527 px
b = -0.235 px
c = 0.322 px
xc = 4.695 px
yc = 5.527 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 48443.8485
Standard deviation: 12.56175
R^2: 0.42831
Parameters:
a = 115.96545
b = 194.18528
c = 15.59314
d = 0.76709

Bead 810

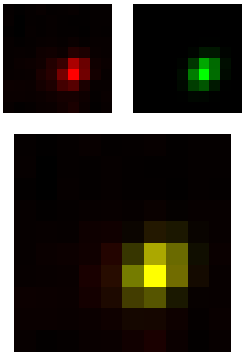
Date : Mon Oct 17 13:28:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -113 um (x), -19.3 um (y), 17.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	370 nm	383 nm	223 nm
max	483 nm	499 nm	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.767		
Theta	47.5°		

XY profile & fitting parameters :

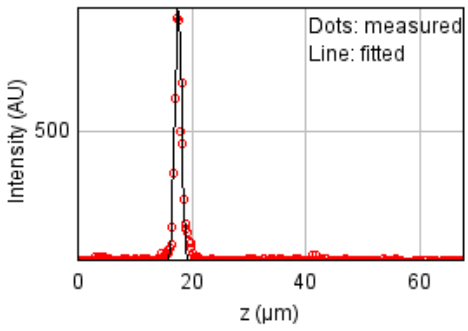
(red : the orignal data, green : the fit, yellow : the two merged)



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

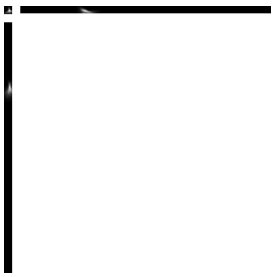
Parameters:
A = 894.018 (brightness)
B = 124.171 (background)
a = 0.794 px
b = 0.200 px
c = 0.759 px
xc = 6.015 px
yc = 5.773 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 136768.964
Standard deviation: 21.10691
R^2: 0.94999
Parameters:
a = 113.18645
b = 880.38192
c = 17.68816
d = 0.56452

Bead 811



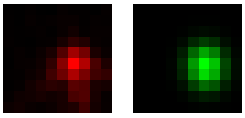
Date : Mon Oct 17 13:28:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

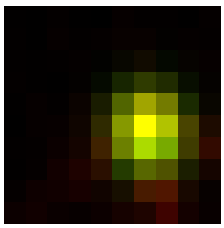
Coordinates : 19.2 um (x), -80.8 um (y), 17.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	583 nm	603 nm	223 nm
max	673 nm	696 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.867		
Theta	-83.4°		

XY profile & fitting parameters :

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

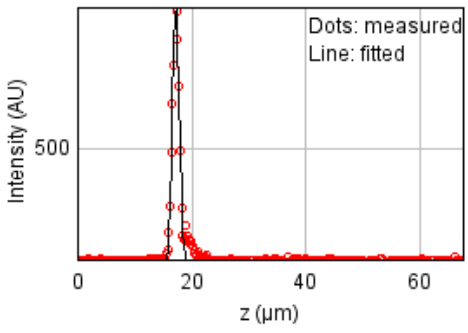




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.913

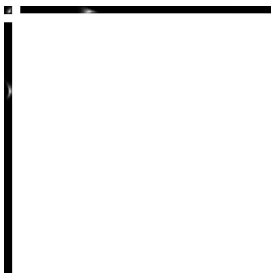
Parameters:
A = 757.343 (brightness)
B = 130.880 (background)
a = 0.393 px
b = -0.011 px
c = 0.298 px
xc = 6.161 px
yc = 5.242 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 67193.6245
Standard deviation: 14.79431
R^2: 0.98153
Parameters:
a = 115.30894
b = 1000.23784
c = 17.29191
d = 0.58396

Bead 812 (Rejected)



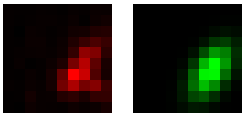
Date : Mon Oct 17 13:28:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

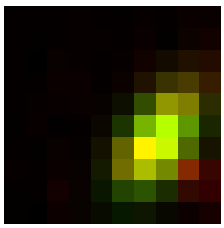
Coordinates : 56.2 um (x), 93.1 um (y), 18.4 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	498 nm	515 nm	223 nm
max	884 nm	914 nm	223 nm
z	1.84 um	1.85 um	885 nm
Asymmetry	0.563		
Theta	57.6°		

XY profile & fitting parameters :

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

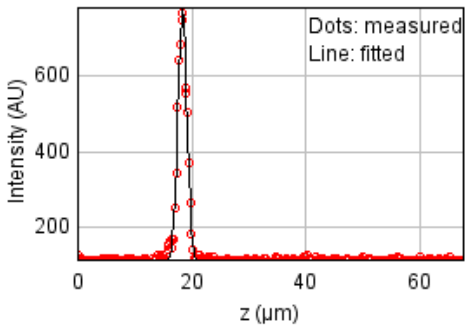




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.881

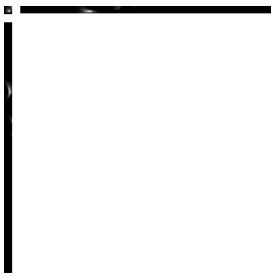
Parameters:
A = 580.898 (brightness)
B = 122.566 (background)
a = 0.435 px
b = 0.167 px
c = 0.278 px
xc = 6.654 px
yc = 5.653 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46628.2825
Standard deviation: 12.32411
R^2: 0.98295
Parameters:
a = 113.07139
b = 780.22250
c = 18.44762
d = 0.78157

Bead 813



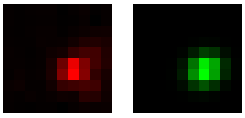
Date : Mon Oct 17 13:28:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

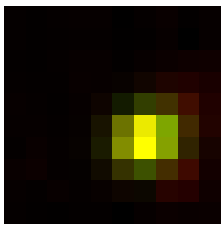
Coordinates : 66.7 um (x), 62.1 um (y), 18.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	455 nm	470 nm	223 nm
max	519 nm	536 nm	223 nm
z	1.56 um	1.56 um	885 nm
Asymmetry	0.877		
Theta	26.0°		

XY profile & fitting parameters :

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

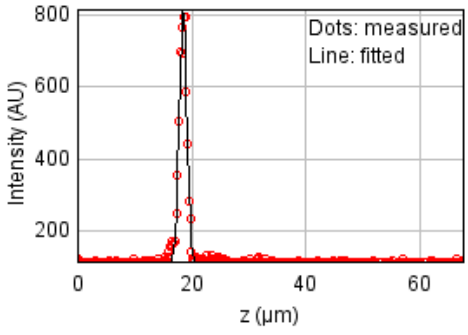




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.927

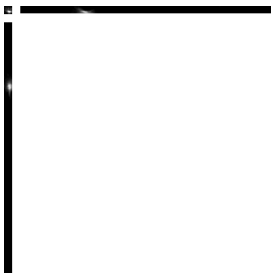
Parameters:
A = 665.698 (brightness)
B = 127.852 (background)
a = 0.528 px
b = 0.059 px
c = 0.620 px
xc = 6.112 px
yc = 5.562 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 39730.6481
Standard deviation: 11.37611
R^2: 0.98467
Parameters:
a = 113.61855
b = 817.78412
c = 18.55211
d = 0.66153

Bead 814



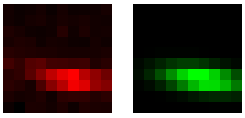
Date : Mon Oct 17 13:28:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

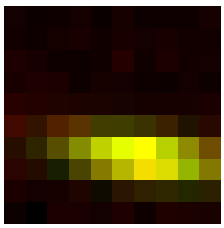
Coordinates : 147 um (x), 36.4 um (y), 17.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	400 nm	223 nm
max	1.24 um	1.29 um	223 nm
z	2.33 um	2.34 um	885 nm
Asymmetry	0.311		
Theta	-7.1°		

XY profile & fitting parameters :

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

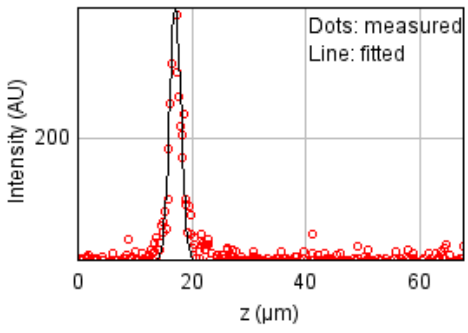




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 234.251 (brightness)
B = 115.657 (background)
a = 0.099 px
b = -0.100 px
c = 0.883 px
xc = 5.891 px
yc = 6.409 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23797.9239
Standard deviation: 8.80441
R^2: 0.91528
Parameters:
a = 110.46395
b = 294.81827
c = 17.18265
d = 0.99030

Bead 815

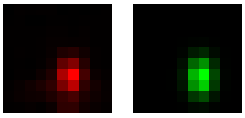
Date : Mon Oct 17 13:28:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

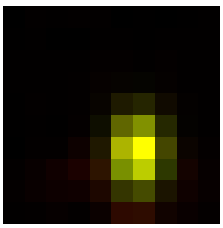
Coordinates : -14.8 um (x), 33.6 um (y), 18.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	417 nm	223 nm
max	583 nm	602 nm	223 nm
z	1.45 um	1.46 um	885 nm
Asymmetry	0.692		
Theta	89.9°		

XY profile & fitting parameters :

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

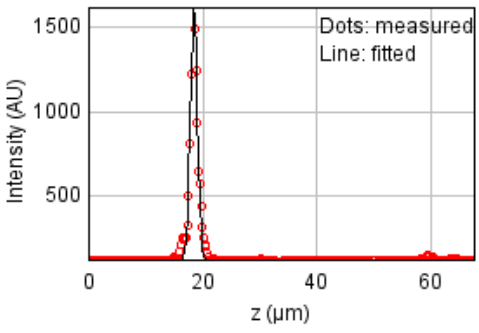




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 1560.329 (brightness)
B = 134.292 (background)
a = 0.824 px
b = 0.001 px
c = 0.395 px
xc = 5.714 px
yc = 6.222 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 237767.240
Standard deviation: 27.82959
R^2: 0.97855
Parameters:
a = 118.08318
b = 1620.12835
c = 18.51981
d = 0.61671

Bead 816

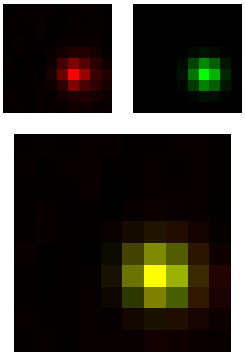
Date : Mon Oct 17 13:28:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 61.6 um (x), 29.3 um (y), 18.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	452 nm	468 nm	223 nm
max	489 nm	505 nm	223 nm
z	1.66 um	1.67 um	885 nm
Asymmetry	0.926		
Theta	-14.1°		

XY profile & fitting parameters :

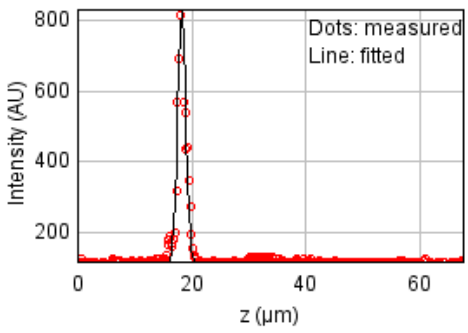
(red : the orignal data, green : the fit, yellow : the two merged)



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

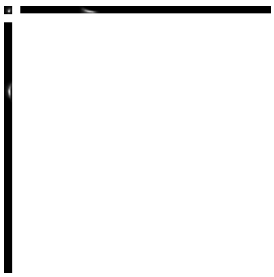
Parameters:
A = 763.025 (brightness)
B = 122.946 (background)
a = 0.568 px
b = -0.022 px
c = 0.650 px
xc = 6.186 px
yc = 5.973 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 153200.027
Standard deviation: 22.33882
R^2: 0.94830
Parameters:
a = 115.59604
b = 832.35738
c = 18.32452
d = 0.70487

Bead 817



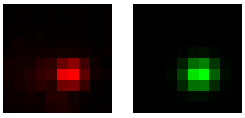
Date : Mon Oct 17 13:28:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

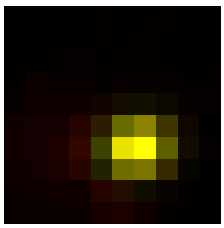
Coordinates : -98.2 um (x), 25.1 um (y), 18.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	441 nm	223 nm
max	495 nm	512 nm	223 nm
z	2.09 um	2.1 um	885 nm
Asymmetry	0.862		
Theta	10.2°		

XY profile & fitting parameters :

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

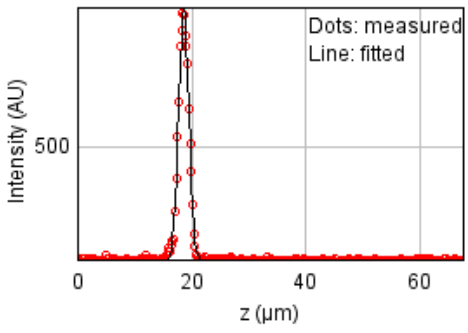




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

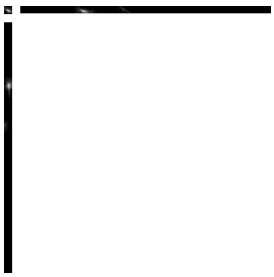
Parameters:
A = 896.959 (brightness)
B = 132.342 (background)
a = 0.554 px
b = 0.033 px
c = 0.732 px
xc = 5.611 px
yc = 5.982 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31059.4507
Standard deviation: 10.05837
R^2: 0.99395
Parameters:
a = 112.68988
b = 977.84578
c = 18.67403
d = 0.88761

Bead 818



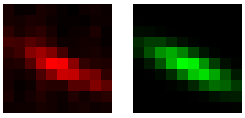
Date : Mon Oct 17 13:28:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

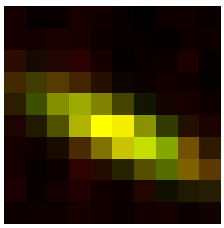
Coordinates : 139 um (x), -14.1 um (y), 16.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	1.39 um	1.44 um	223 nm
z	1.63 um	1.64 um	885 nm
Asymmetry	0.281		
Theta	-24.8°		

XY profile & fitting parameters :

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

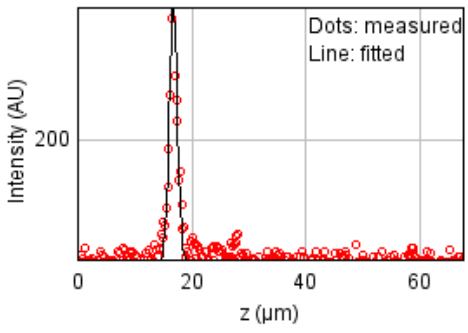




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

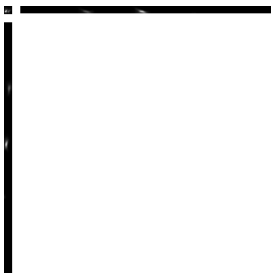
Parameters:
A = 194.751 (brightness)
B = 113.828 (background)
a = 0.211 px
b = -0.307 px
c = 0.735 px
xc = 4.695 px
yc = 5.240 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18545.2759
Standard deviation: 7.77226
R^2: 0.91198
Parameters:
a = 111.39599
b = 300.50214
c = 16.83234
d = 0.69201

Bead 819



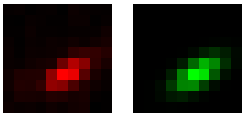
Date : Mon Oct 17 13:28:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

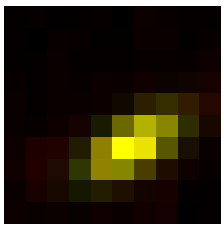
Coordinates : -143 um (x), -19.6 um (y), 17.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	386 nm	223 nm
max	794 nm	821 nm	223 nm
z	1.67 um	1.68 um	885 nm
Asymmetry	0.47		
Theta	30.8°		

XY profile & fitting parameters :

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

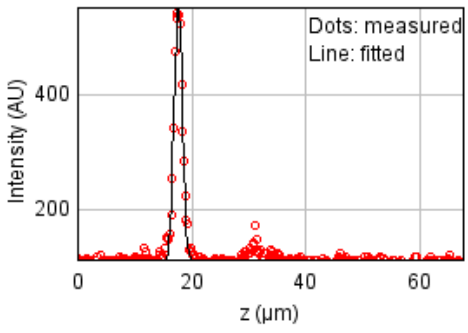




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

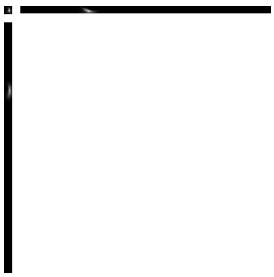
Parameters:
A = 448.481 (brightness)
B = 118.731 (background)
a = 0.410 px
b = 0.330 px
c = 0.766 px
xc = 5.429 px
yc = 5.899 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33380.7847
Standard deviation: 10.42747
R^2: 0.96971
Parameters:
a = 114.16931
b = 554.60235
c = 17.70817
d = 0.71019

Bead 820



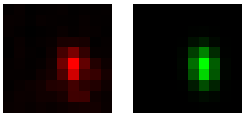
Date : Mon Oct 17 13:28:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

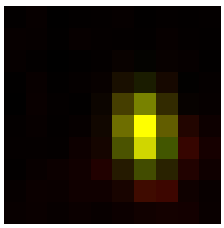
Coordinates : 15.0 um (x), -28.7 um (y), 18.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	378 nm	391 nm	223 nm
max	564 nm	583 nm	223 nm
z	1.47 um	1.47 um	885 nm
Asymmetry	0.671		
Theta	-84.1°		

XY profile & fitting parameters :

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

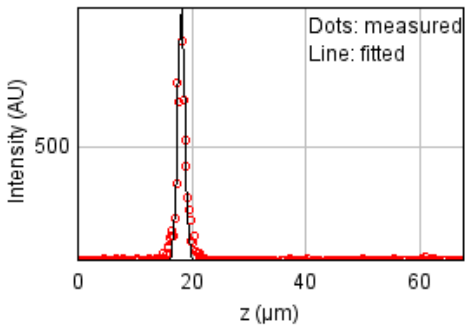




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.928

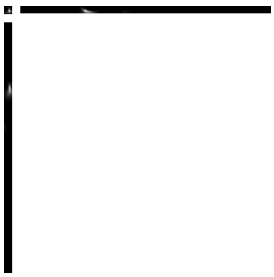
Parameters:
A = 925.365 (brightness)
B = 136.227 (background)
a = 0.931 px
b = -0.053 px
c = 0.428 px
xc = 5.970 px
yc = 5.288 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 152546.728
Standard deviation: 22.29114
R^2: 0.95866
Parameters:
a = 115.78734
b = 969.64136
c = 18.23172
d = 0.62255

Bead 821



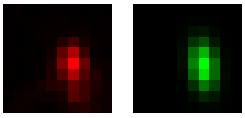
Date : Mon Oct 17 13:28:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

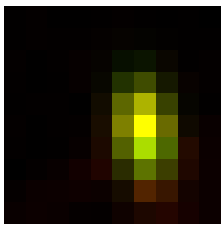
Coordinates : 9.89 um (x), -66.9 um (y), 17.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	424 nm	223 nm
max	743 nm	768 nm	223 nm
z	1.28 um	1.28 um	885 nm
Asymmetry	0.553		
Theta	-83.1°		

XY profile & fitting parameters :

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

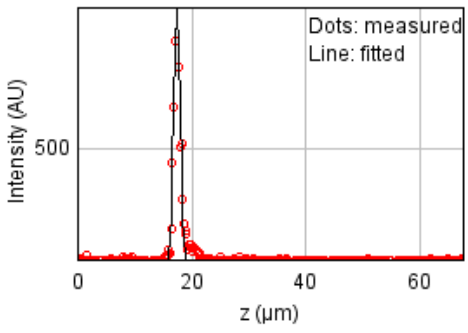




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.940

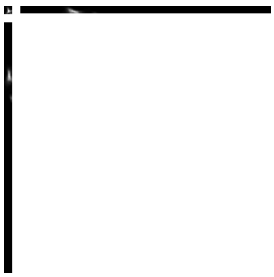
Parameters:
A = 816.052 (brightness)
B = 126.482 (background)
a = 0.788 px
b = -0.066 px
c = 0.251 px
xc = 5.955 px
yc = 5.195 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 88542.5993
Standard deviation: 16.98271
R^2: 0.97375
Parameters:
a = 116.07282
b = 995.31359
c = 17.47970
d = 0.54279

Bead 822



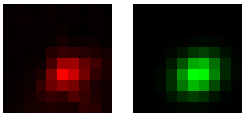
Date : Mon Oct 17 13:28:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

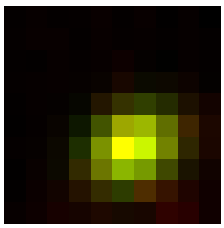
Coordinates : 55.5 um (x), -70.2 um (y), 14.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	566 nm	585 nm	223 nm
max	712 nm	736 nm	223 nm
z	2.15 um	2.15 um	885 nm
Asymmetry	0.795		
Theta	28.3°		

XY profile & fitting parameters :

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

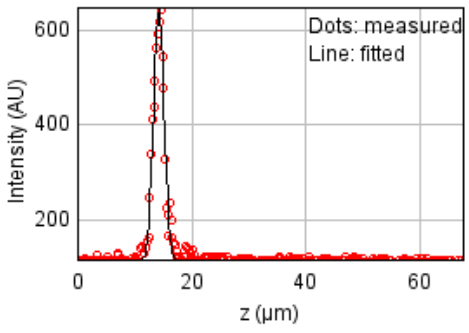




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 568.969 (brightness)
B = 127.349 (background)
a = 0.300 px
b = 0.064 px
c = 0.385 px
xc = 5.442 px
yc = 5.982 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 55214.9529
Standard deviation: 13.41094
R^2: 0.97307
Parameters:
a = 113.97243
b = 648.19024
c = 14.30701
d = 0.91108

Bead 823 (Rejected)

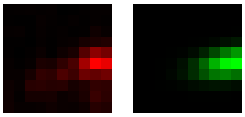
Date : Mon Oct 17 13:28:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

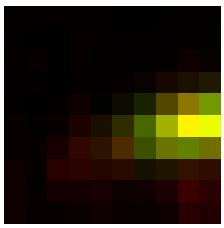
Coordinates : -6.65 um (x), -78.3 um (y), 14.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	441 nm	455 nm	223 nm
max	1.1 um	1.13 um	223 nm
z	2.55 um	2.56 um	885 nm
Asymmetry	0.402		
Theta	10.2°		

XY profile & fitting parameters :

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

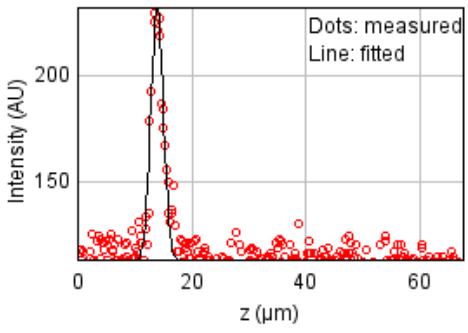




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.906

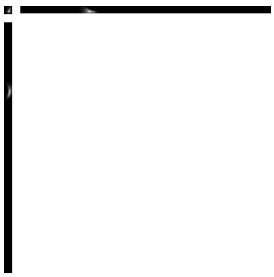
Parameters:
A = 458.476 (brightness)
B = 130.583 (background)
a = 0.130 px
b = 0.101 px
c = 0.673 px
xc = 8.754 px
yc = 4.919 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 17150.7996
Standard deviation: 7.47434
R^2: 0.87083
Parameters:
a = 113.56720
b = 232.10672
c = 14.00167
d = 1.08270

Bead 824



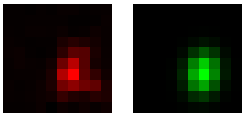
Date : Mon Oct 17 13:28:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

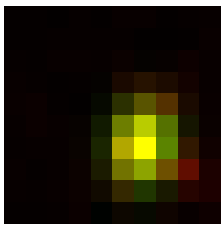
Coordinates : 38.7 um (x), 81.7 um (y), 18.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	496 nm	513 nm	223 nm
max	640 nm	661 nm	223 nm
z	1.52 um	1.53 um	885 nm
Asymmetry	0.776		
Theta	81.5°		

XY profile & fitting parameters :

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

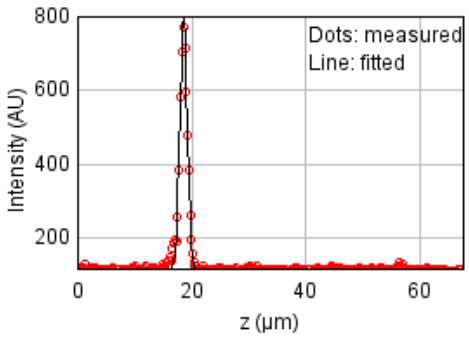




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.917

Parameters:
A = 606.214 (brightness)
B = 123.910 (background)
a = 0.540 px
b = 0.032 px
c = 0.333 px
xc = 5.901 px
yc = 5.846 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31366.1300
Standard deviation: 10.10791
R^2: 0.98705
Parameters:
a = 114.28978
b = 803.49042
c = 18.63928
d = 0.64638

Bead 825 (Rejected)

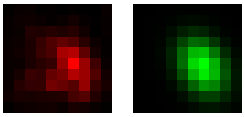
Date : Mon Oct 17 13:28:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

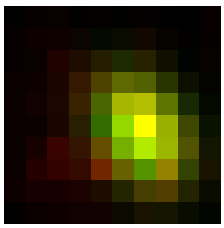
Coordinates : -67.1 um (x), 59.8 um (y), 18.5 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	666 nm	688 nm	223 nm
max	922 nm	954 nm	223 nm
z	1.93 um	1.94 um	885 nm
Asymmetry	0.721		
Theta	-61.1°		

XY profile & fitting parameters :

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

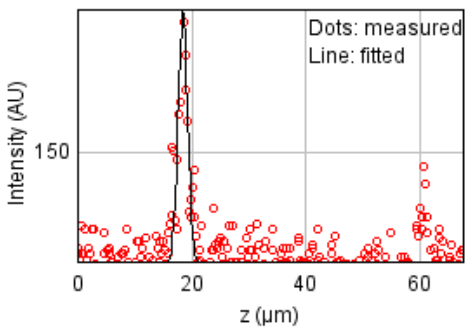




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.878

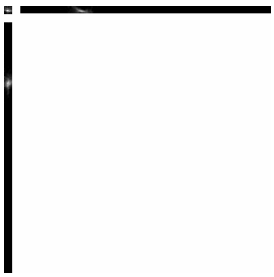
Parameters:
A = 426.394 (brightness)
B = 134.273 (background)
a = 0.269 px
b = -0.062 px
c = 0.192 px
xc = 5.860 px
yc = 5.227 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19999.0328
Standard deviation: 8.07115
R^2: 0.68901
Parameters:
a = 113.88346
b = 197.61386
c = 18.52368
d = 0.81959

Bead 826



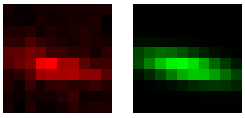
Date : Mon Oct 17 13:28:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

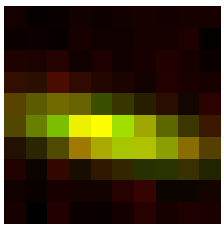
Coordinates : 163 um (x), 37.3 um (y), 16.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	1.47 um	1.52 um	223 nm
z	2.64 um	2.65 um	885 nm
Asymmetry	0.276		
Theta	-10.9°		

XY profile & fitting parameters :

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

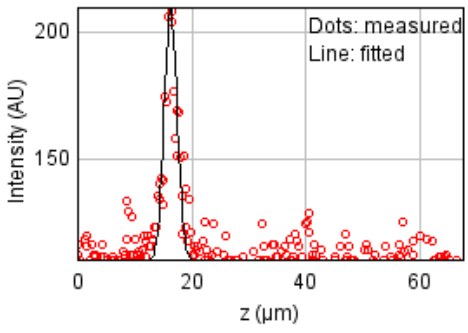




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.916

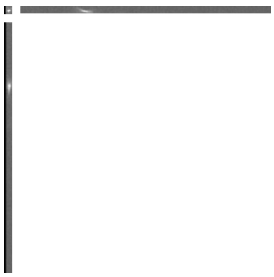
Parameters:
A = 134.349 (brightness)
B = 113.374 (background)
a = 0.089 px
b = -0.139 px
c = 0.783 px
xc = 4.254 px
yc = 5.292 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20211.9163
Standard deviation: 8.11399
R^2: 0.80768
Parameters:
a = 110.39291
b = 210.25851
c = 16.37603
d = 1.12228

Bead 827 (Rejected)



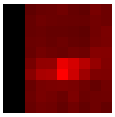
Date : Mon Oct 17 13:28:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -164 um (x), 28.3 um (y), 17.3 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	2.14 um	2.15 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

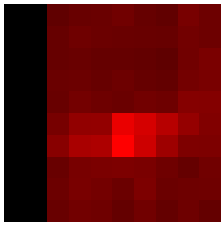
XY profile & fitting parameters :

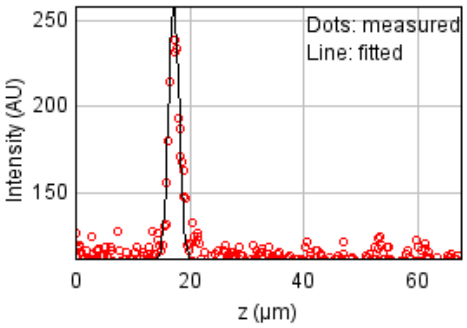
(red : the orignal data, green : the fit, yellow : the two merged)



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

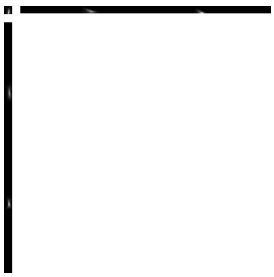
Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18418.6929
Standard deviation: 7.74569
R^2: 0.89245
Parameters:
a = 111.16626
b = 259.13841
c = 17.28250
d = 0.90974

Bead 828



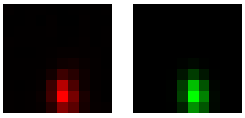
Date : Mon Oct 17 13:28:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

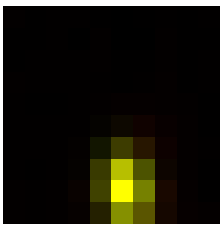
Coordinates : -26.6 um (x), 17.6 um (y), 48.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	361 nm	373 nm	223 nm
max	563 nm	582 nm	223 nm
z	1.12 um	1.13 um	885 nm
Asymmetry	0.641		
Theta	-82.6°		

XY profile & fitting parameters :

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

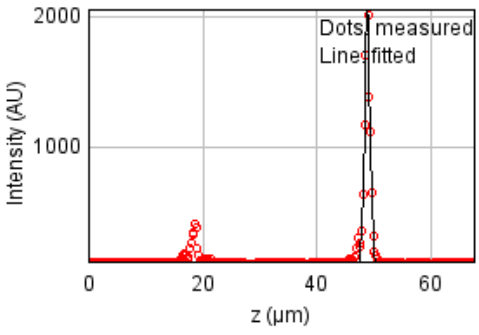




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.991

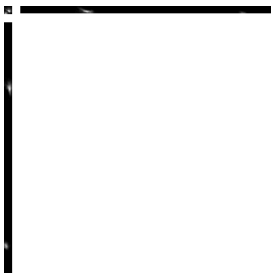
Parameters:
A = 2039.326 (brightness)
B = 126.768 (background)
a = 1.019 px
b = -0.077 px
c = 0.433 px
xc = 5.154 px
yc = 7.863 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 514405.456
Standard deviation: 40.93394
R^2: 0.96521
Parameters:
a = 124.29388
b = 2075.78840
c = 48.91872
d = 0.47711

Bead 829



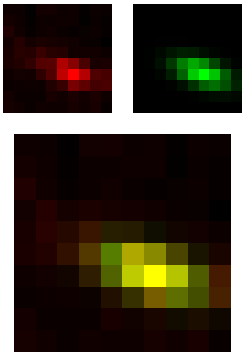
Date : Mon Oct 17 13:28:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 117 um (x), 13.5 um (y), 17.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	876 nm	905 nm	223 nm
z	1.83 um	1.83 um	885 nm
Asymmetry	0.444		
Theta	-18.5°		

XY profile & fitting parameters :

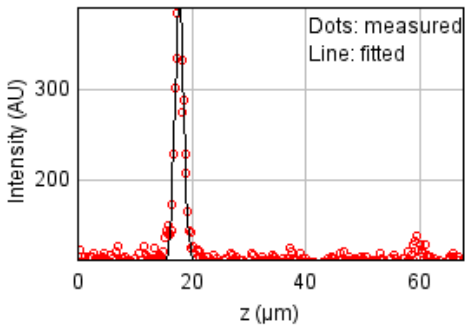
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 282.600 (brightness)
B = 114.517 (background)
a = 0.247 px
b = -0.215 px
c = 0.814 px
xc = 5.823 px
yc = 5.832 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21346.4027
Standard deviation: 8.33860
R^2: 0.95667
Parameters:
a = 111.94725
b = 392.38760
c = 17.89366
d = 0.77529

Bead 830

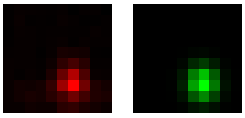
Date : Mon Oct 17 13:28:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

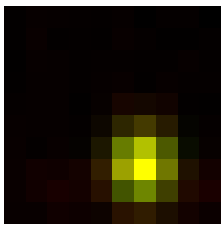
Coordinates : -18.9 um (x), -1.06 um (y), 18.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	469 nm	485 nm	223 nm
max	539 nm	558 nm	223 nm
z	1.71 um	1.72 um	885 nm
Asymmetry	0.869		
Theta	-87.9°		

XY profile & fitting parameters :

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

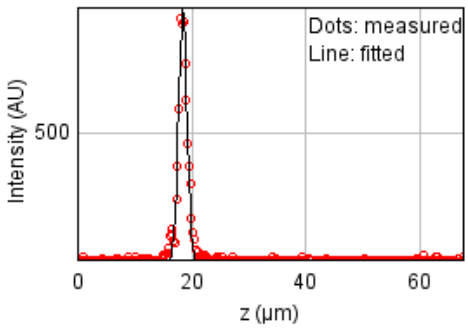




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

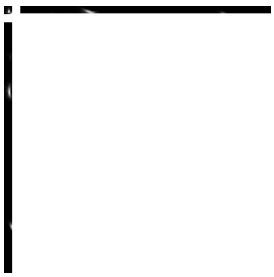
Parameters:
A = 674.914 (brightness)
B = 125.278 (background)
a = 0.611 px
b = -0.006 px
c = 0.462 px
xc = 5.875 px
yc = 6.800 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 86665.4107
Standard deviation: 16.80172
R^2: 0.97433
Parameters:
a = 115.09839
b = 879.11386
c = 18.50692
d = 0.72713

Bead 831



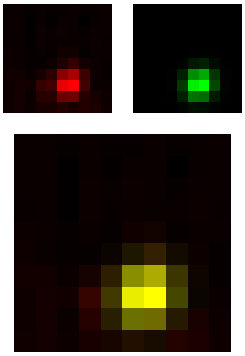
Date : Mon Oct 17 13:28:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -47.2 um (x), -7.01 um (y), 19.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	431 nm	445 nm	223 nm
max	475 nm	491 nm	223 nm
z	1.6 um	1.6 um	885 nm
Asymmetry	0.907		
Theta	54.8°		

XY profile & fitting parameters :

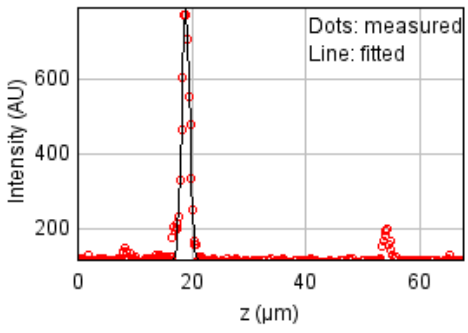
(red : the orignal data, green : the fit, yellow : the two merged)



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

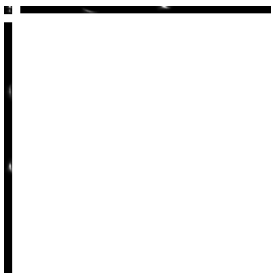
Parameters:
A = 769.749 (brightness)
B = 124.112 (background)
a = 0.681 px
b = 0.060 px
c = 0.638 px
xc = 5.566 px
yc = 6.857 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 75399.2679
Standard deviation: 15.67164
R^2: 0.96970
Parameters:
a = 117.73924
b = 794.57207
c = 19.00540
d = 0.67784

Bead 832 (Rejected)



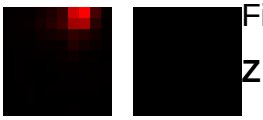
Date : Mon Oct 17 13:28:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -74.4 um (x), -38.5 um (y), 38.7 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

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

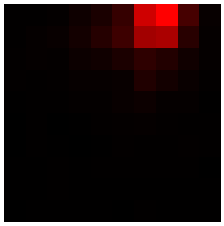
XY profile & fitting parameters :

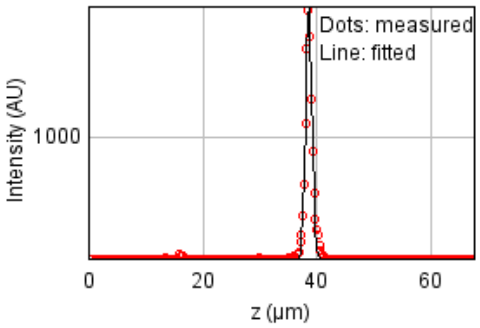
(red : the orignal data, green : the fit, yellow : the two merged)



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: 119554.178
Standard deviation: 19.73391
R^2: 0.99209
Parameters:
a = 115.96341
b = 1954.83127
c = 38.66352
d = 0.56751

Bead 833 (Rejected)

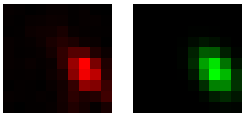
Date : Mon Oct 17 13:28:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

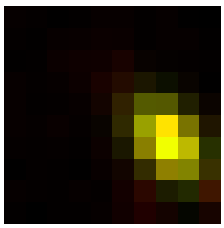
Coordinates : 84.9 um (x), -47.7 um (y), 18.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	457 nm	472 nm	223 nm
max	701 nm	724 nm	223 nm
z	1.68 um	1.68 um	885 nm
Asymmetry	0.652		
Theta	-52.9°		

XY profile & fitting parameters :

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

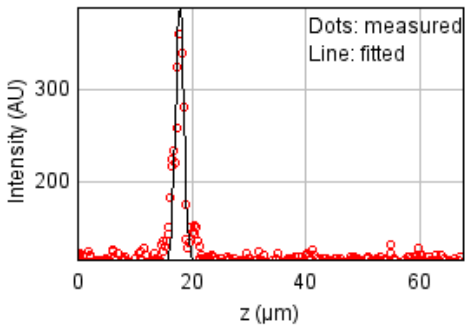




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 612.578 (brightness)
B = 119.715 (background)
a = 0.509 px
b = -0.178 px
c = 0.408 px
xc = 7.072 px
yc = 5.680 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 49277.8200
Standard deviation: 12.66941
R^2: 0.89535
Parameters:
a = 113.95854
b = 390.23317
c = 17.96852
d = 0.71217

Bead 834

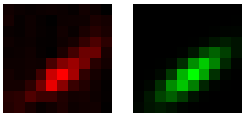
Date : Mon Oct 17 13:28:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

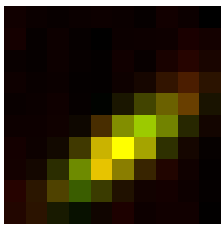
Coordinates : -151 um (x), -49.3 um (y), 17.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	378 nm	391 nm	223 nm
max	1.14 um	1.17 um	223 nm
z	1.88 um	1.89 um	885 nm
Asymmetry	0.333		
Theta	36.2°		

XY profile & fitting parameters :

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

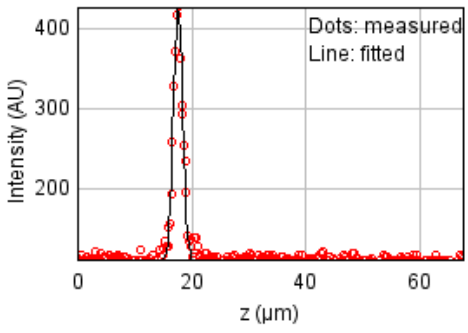




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.933

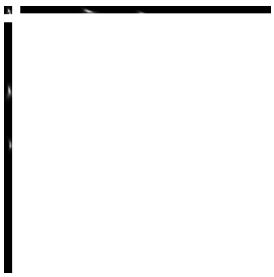
Parameters:
A = 330.012 (brightness)
B = 117.137 (background)
a = 0.395 px
b = 0.398 px
c = 0.648 px
xc = 4.970 px
yc = 5.974 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20872.5389
Standard deviation: 8.24553
R^2: 0.96727
Parameters:
a = 111.51179
b = 427.91129
c = 17.66969
d = 0.79816

Bead 835



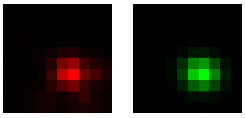
Date : Mon Oct 17 13:28:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

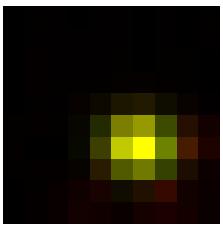
Coordinates : 45.9 um (x), -58.1 um (y), 18.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	460 nm	476 nm	223 nm
max	545 nm	563 nm	223 nm
z	1.38 um	1.39 um	885 nm
Asymmetry	0.844		
Theta	-7.8°		

XY profile & fitting parameters :

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

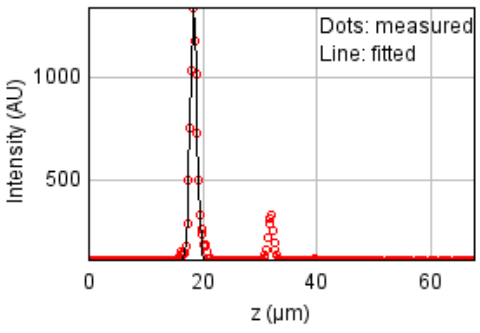




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 1178.745 (brightness)
B = 131.996 (background)
a = 0.455 px
b = -0.024 px
c = 0.631 px
xc = 5.761 px
yc = 5.898 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 241486.730
Standard deviation: 28.04642
R^2: 0.96544
Parameters:
a = 119.15759
b = 1332.48926
c = 18.47017
d = 0.58675

Bead 836

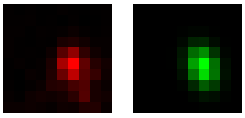
Date : Mon Oct 17 13:28:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

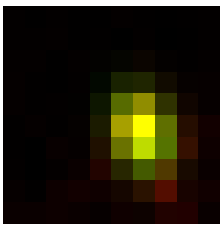
Coordinates : 29.0 um (x), -67.4 um (y), 17.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	444 nm	458 nm	223 nm
max	626 nm	647 nm	223 nm
z	1.32 um	1.32 um	885 nm
Asymmetry	0.708		
Theta	-72.8°		

XY profile & fitting parameters :

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

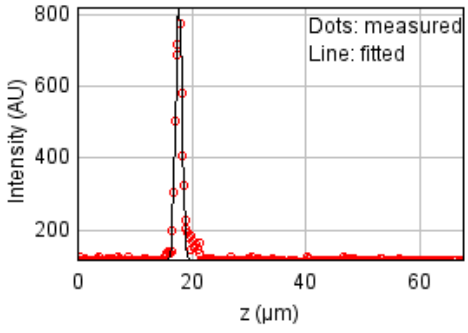




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.924

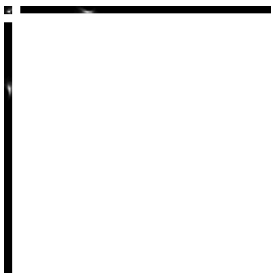
Parameters:
A = 698.677 (brightness)
B = 125.648 (background)
a = 0.653 px
b = -0.096 px
c = 0.372 px
xc = 5.900 px
yc = 5.274 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53118.3510
Standard deviation: 13.15386
R^2: 0.97614
Parameters:
a = 115.52579
b = 819.72432
c = 17.79767
d = 0.56036

Bead 837



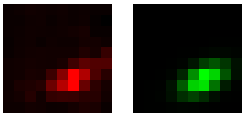
Date : Mon Oct 17 13:28:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

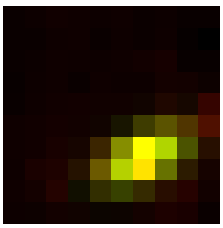
Coordinates : 117 um (x), 90.1 um (y), 18.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	716 nm	740 nm	223 nm
z	2.08 um	2.08 um	885 nm
Asymmetry	0.539		
Theta	25.8°		

XY profile & fitting parameters :

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

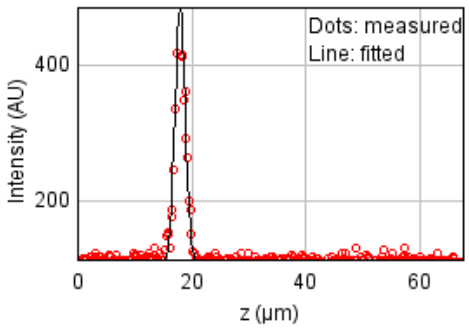




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.945

Parameters:
A = 407.945 (brightness)
B = 116.444 (background)
a = 0.384 px
b = 0.251 px
c = 0.781 px
xc = 5.979 px
yc = 6.430 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31012.0827
Standard deviation: 10.05070
R^2: 0.96832
Parameters:
a = 111.66123
b = 485.66375
c = 18.03815
d = 0.88174

Bead 838 (Rejected)

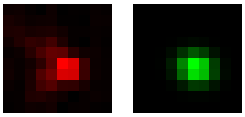
Date : Mon Oct 17 13:28:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

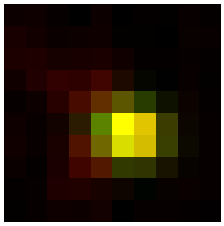
Coordinates : -123 um (x), 87.7 um (y), 18.7 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	461 nm	476 nm	223 nm
max	545 nm	563 nm	223 nm
z	1.78 um	1.78 um	885 nm
Asymmetry	0.845		
Theta	-16.0°		

XY profile & fitting parameters :

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

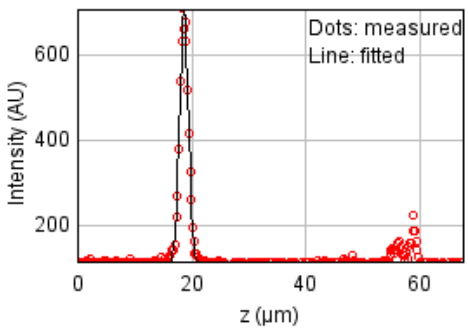




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.880

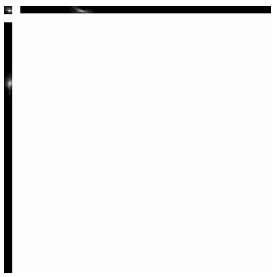
Parameters:
A = 602.966 (brightness)
B = 132.461 (background)
a = 0.465 px
b = -0.048 px
c = 0.619 px
xc = 5.260 px
yc = 5.404 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 80936.3166
Standard deviation: 16.23688
R^2: 0.96179
Parameters:
a = 116.47248
b = 706.97036
c = 18.71681
d = 0.75498

Bead 839



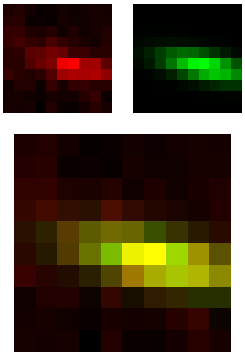
Date : Mon Oct 17 13:28:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 163 um (x), 37.3 um (y), 16.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	419 nm	223 nm
max	1.34 um	1.38 um	223 nm
z	2.64 um	2.65 um	885 nm
Asymmetry	0.302		
Theta	-12.2°		

XY profile & fitting parameters :

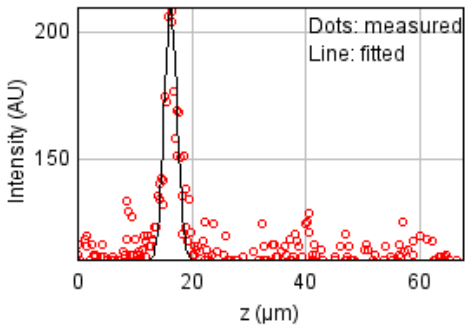
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 134.853 (brightness)
B = 115.364 (background)
a = 0.108 px
b = -0.153 px
c = 0.785 px
xc = 6.091 px
yc = 5.267 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20211.9163
Standard deviation: 8.11399
R^2: 0.80768
Parameters:
a = 110.39291
b = 210.25851
c = 16.37603
d = 1.12228

Bead 840

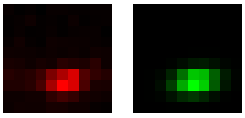
Date : Mon Oct 17 13:28:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

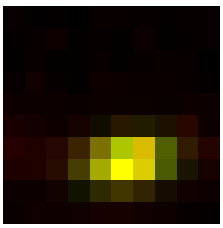
Coordinates : -149 um (x), 32.2 um (y), 18.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	394 nm	223 nm
max	670 nm	693 nm	223 nm
z	2.12 um	2.13 um	885 nm
Asymmetry	0.569		
Theta	7.5°		

XY profile & fitting parameters :

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

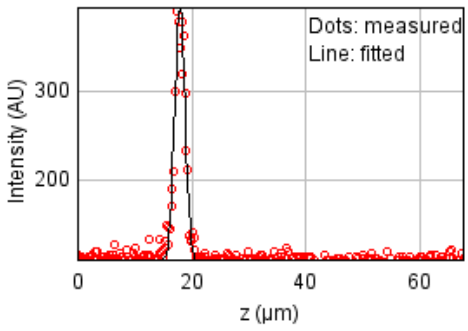




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 395.753 (brightness)
B = 118.893 (background)
a = 0.309 px
b = 0.081 px
c = 0.912 px
xc = 5.252 px
yc = 6.617 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27006.4948
Standard deviation: 9.37918
R^2: 0.95338
Parameters:
a = 110.84803
b = 393.57561
c = 18.00114
d = 0.89988

Bead 841

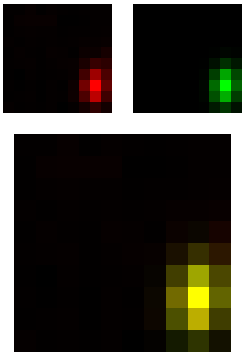
Date : Mon Oct 17 13:28:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 147 um (x), 23.8 um (y), 57.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	395 nm	223 nm
max	576 nm	596 nm	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.664		
Theta	84.4°		

XY profile & fitting parameters :

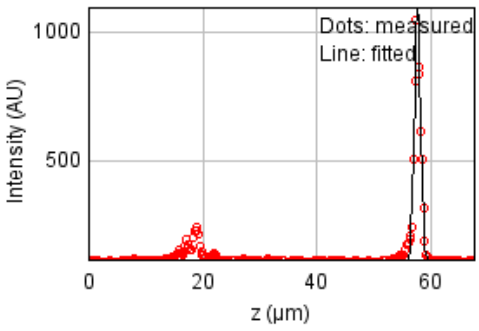
(red : the orignal data, green : the fit, yellow : the two merged)



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

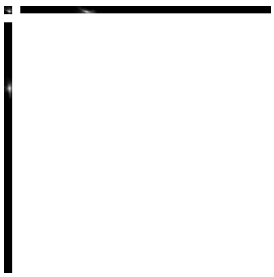
Parameters:
A = 1121.449 (brightness)
B = 112.391 (background)
a = 0.913 px
b = 0.050 px
c = 0.409 px
xc = 7.982 px
yc = 7.032 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 232335.264
Standard deviation: 27.50986
R^2: 0.94625
Parameters:
a = 118.19839
b = 1093.20968
c = 57.67880
d = 0.54981

Bead 842



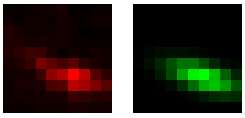
Date : Mon Oct 17 13:28:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

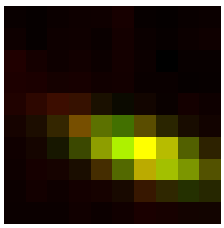
Coordinates : 130 um (x), 4.13 um (y), 17.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	407 nm	223 nm
max	1.08 um	1.12 um	223 nm
z	1.85 um	1.86 um	885 nm
Asymmetry	0.365		
Theta	-17.4°		

XY profile & fitting parameters :

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

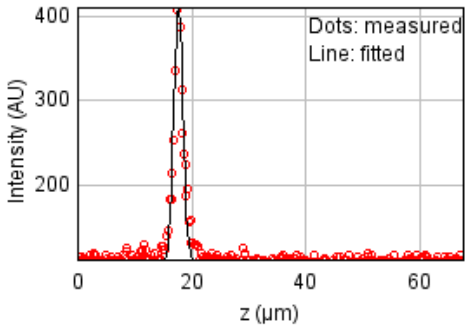




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.928

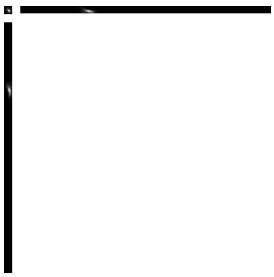
Parameters:
A = 286.492 (brightness)
B = 117.597 (background)
a = 0.182 px
b = -0.213 px
c = 0.797 px
xc = 5.920 px
yc = 6.227 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27600.0823
Standard deviation: 9.48170
R^2: 0.95234
Parameters:
a = 110.56641
b = 411.65140
c = 17.73603
d = 0.78751

Bead 843



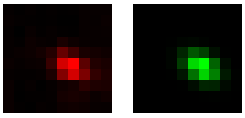
Date : Mon Oct 17 13:28:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

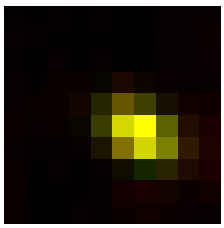
Coordinates : 92.6 um (x), -5.57 um (y), 18.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	379 nm	392 nm	223 nm
max	565 nm	584 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.671		
Theta	-31.7°		

XY profile & fitting parameters :

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

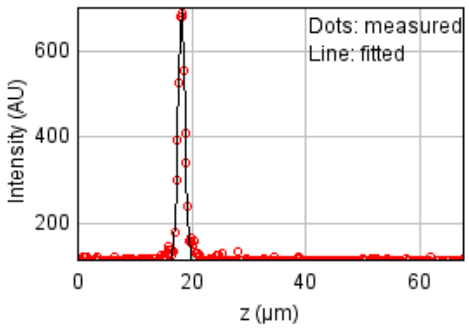




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

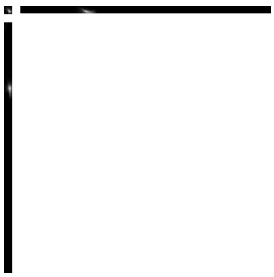
Parameters:
A = 647.928 (brightness)
B = 122.981 (background)
a = 0.562 px
b = -0.229 px
c = 0.791 px
xc = 5.773 px
yc = 5.312 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23582.8930
Standard deviation: 8.76454
R^2: 0.98544
Parameters:
a = 113.10923
b = 703.95343
c = 18.29059
d = 0.58547

Bead 844



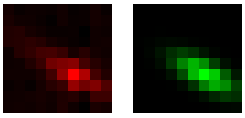
Date : Mon Oct 17 13:28:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

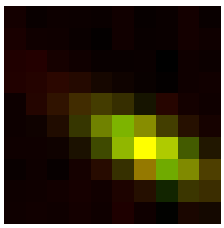
Coordinates : 118 um (x), -23.1 um (y), 17.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	416 nm	223 nm
max	1.02 um	1.06 um	223 nm
z	1.76 um	1.76 um	885 nm
Asymmetry	0.393		
Theta	-28.0°		

XY profile & fitting parameters :

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

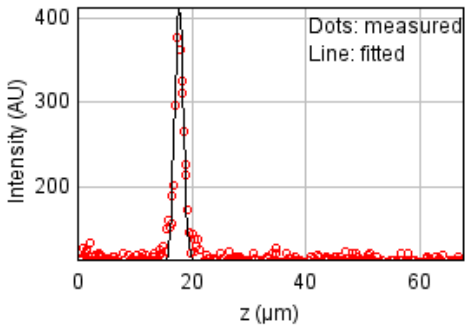




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.923

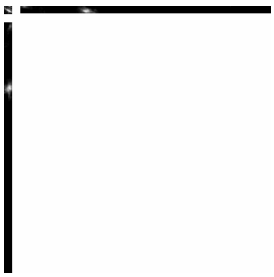
Parameters:
A = 275.344 (brightness)
B = 116.810 (background)
a = 0.282 px
b = -0.290 px
c = 0.673 px
xc = 6.060 px
yc = 5.972 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31043.7325
Standard deviation: 10.05583
R^2: 0.94342
Parameters:
a = 112.46385
b = 411.87721
c = 17.84875
d = 0.74576

Bead 845



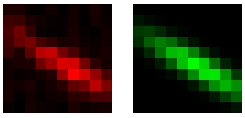
Date : Mon Oct 17 13:28:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

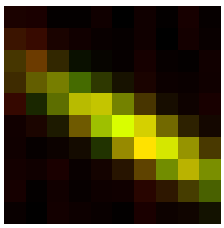
Coordinates : 144 um (x), -40.1 um (y), 17.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	412 nm	223 nm
max	1.91 um	1.98 um	223 nm
z	2.4 um	2.41 um	885 nm
Asymmetry	0.209		
Theta	-30.0°		

XY profile & fitting parameters :

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

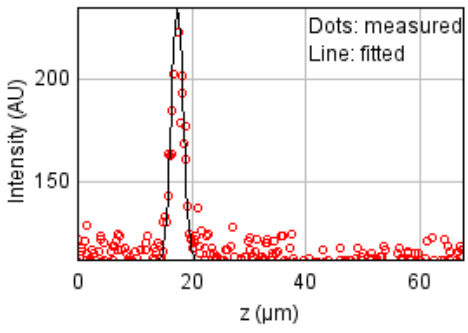




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.944

Parameters:
A = 157.267 (brightness)
B = 113.838 (background)
a = 0.238 px
b = -0.349 px
c = 0.642 px
xc = 5.571 px
yc = 5.333 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17180.2269
Standard deviation: 7.48075
R^2: 0.87308
Parameters:
a = 111.48622
b = 234.75677
c = 17.54257
d = 1.01974

Bead 846 (Rejected)

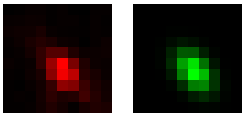
Date : Mon Oct 17 13:28:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

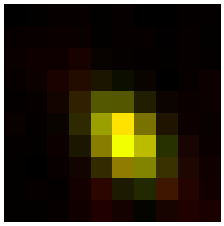
Coordinates : 84.9 um (x), -47.7 um (y), 18.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	451 nm	466 nm	223 nm
max	697 nm	721 nm	223 nm
z	1.68 um	1.68 um	885 nm
Asymmetry	0.646		
Theta	-52.0°		

XY profile & fitting parameters :

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

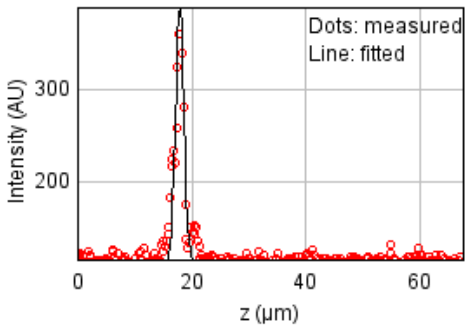




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 607.812 (brightness)
B = 125.181 (background)
a = 0.515 px
b = -0.187 px
c = 0.422 px
xc = 5.080 px
yc = 5.683 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 49277.8200
Standard deviation: 12.66941
R^2: 0.89535
Parameters:
a = 113.95854
b = 390.23317
c = 17.96852
d = 0.71217

Bead 847

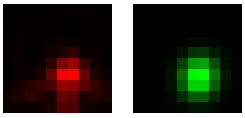
Date : Mon Oct 17 13:28:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

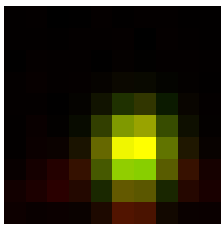
Coordinates : -9.12 um (x), -59.4 um (y), 18.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	568 nm	588 nm	223 nm
max	641 nm	663 nm	223 nm
z	1.77 um	1.78 um	885 nm
Asymmetry	0.887		
Theta	81.1°		

XY profile & fitting parameters :

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

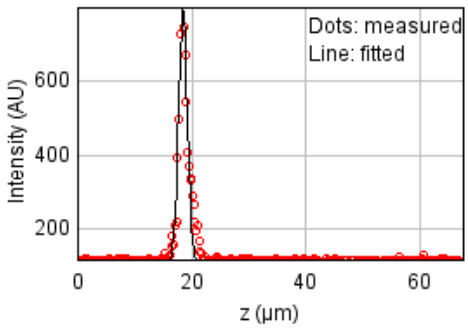




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.904

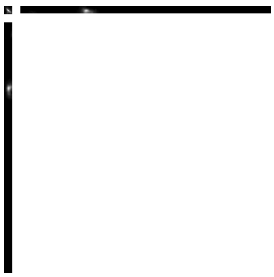
Parameters:
A = 696.832 (brightness)
B = 127.783 (background)
a = 0.413 px
b = 0.014 px
c = 0.329 px
xc = 5.537 px
yc = 6.203 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 138268.476
Standard deviation: 21.22230
R^2: 0.95199
Parameters:
a = 115.59592
b = 801.38987
c = 18.54352
d = 0.75334

Bead 848



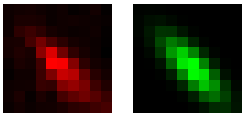
Date : Mon Oct 17 13:28:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

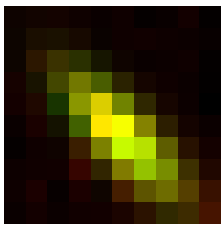
Coordinates : 125 um (x), -83.9 um (y), 18.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	457 nm	472 nm	223 nm
max	1.27 um	1.31 um	223 nm
z	2.01 um	2.02 um	885 nm
Asymmetry	0.359		
Theta	-47.1°		

XY profile & fitting parameters :

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

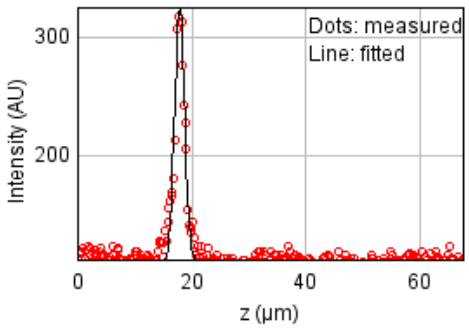




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.942

Parameters:
A = 271.016 (brightness)
B = 114.735 (background)
a = 0.384 px
b = -0.280 px
c = 0.343 px
xc = 4.939 px
yc = 5.423 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21976.3751
Standard deviation: 8.46075
R^2: 0.93278
Parameters:
a = 111.17261
b = 326.39478
c = 17.95572
d = 0.85549

Bead 849 (Rejected)

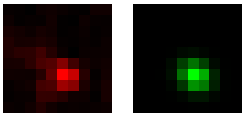
Date : Mon Oct 17 13:28:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

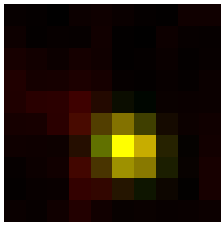
Coordinates : -138 um (x), 86.2 um (y), 18.3 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	436 nm	223 nm
max	501 nm	518 nm	223 nm
z	1.9 um	1.91 um	885 nm
Asymmetry	0.841		
Theta	-34.9°		

XY profile & fitting parameters :

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

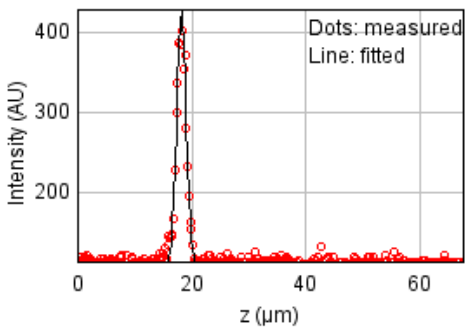




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.884

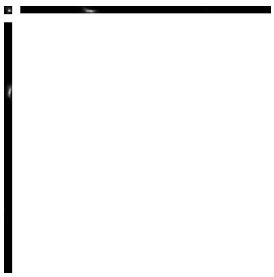
Parameters:
A = 368.895 (brightness)
B = 122.815 (background)
a = 0.606 px
b = -0.104 px
c = 0.682 px
xc = 5.197 px
yc = 6.119 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 17908.3213
Standard deviation: 7.63762
R^2: 0.97215
Parameters:
a = 111.91258
b = 428.83430
c = 18.27235
d = 0.80642

Bead 850



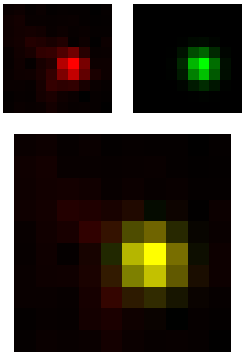
Date : Mon Oct 17 13:28:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -132 um (x), 77.2 um (y), 18.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	458 nm	474 nm	223 nm
max	488 nm	504 nm	223 nm
z	1.91 um	1.91 um	885 nm
Asymmetry	0.94		
Theta	-36.4°		

XY profile & fitting parameters :

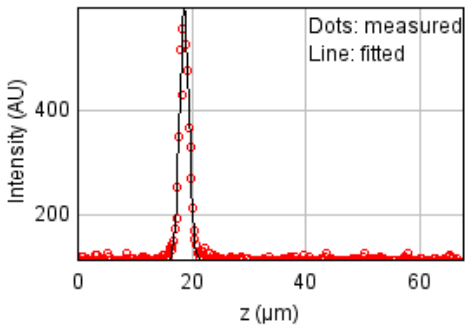
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

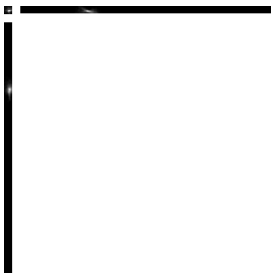
Parameters:
A = 546.882 (brightness)
B = 124.304 (background)
a = 0.590 px
b = -0.036 px
c = 0.613 px
xc = 5.803 px
yc = 5.258 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50526.5186
Standard deviation: 12.82893
R^2: 0.96693
Parameters:
a = 111.58688
b = 597.95321
c = 18.76224
d = 0.80957

Bead 851



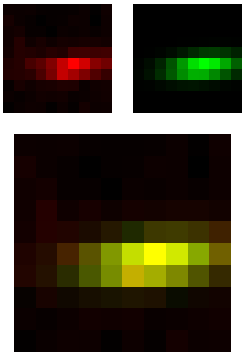
Date : Mon Oct 17 13:28:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 149 um (x), 70.3 um (y), 18.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	387 nm	223 nm
max	1.1 um	1.14 um	223 nm
z	1.67 um	1.68 um	885 nm
Asymmetry	0.339		
Theta	5.1°		

XY profile & fitting parameters :

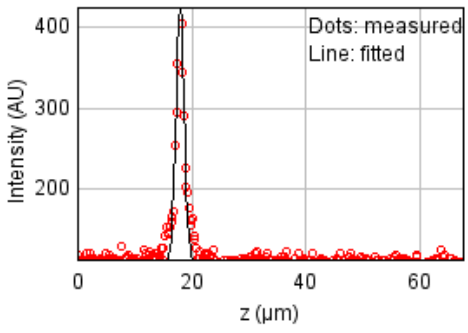
(red : the orignal data, green : the fit, yellow : the two merged)



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

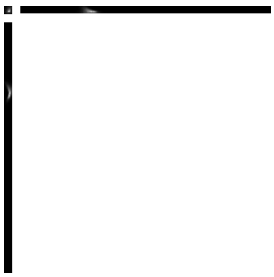
Parameters:
A = 322.564 (brightness)
B = 118.960 (background)
a = 0.117 px
b = 0.075 px
c = 0.952 px
xc = 5.911 px
yc = 5.305 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34375.4229
Standard deviation: 10.58169
R^2: 0.94012
Parameters:
a = 111.55420
b = 424.48151
c = 18.02991
d = 0.71052

Bead 852



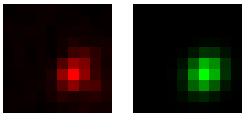
Date : Mon Oct 17 13:28:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

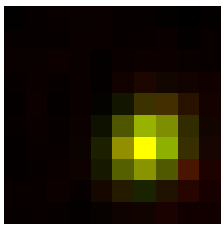
Coordinates : 48.9 um (x), 65.6 um (y), 19.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	499 nm	516 nm	223 nm
max	586 nm	606 nm	223 nm
z	1.76 um	1.76 um	885 nm
Asymmetry	0.851		
Theta	49.5°		

XY profile & fitting parameters :

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

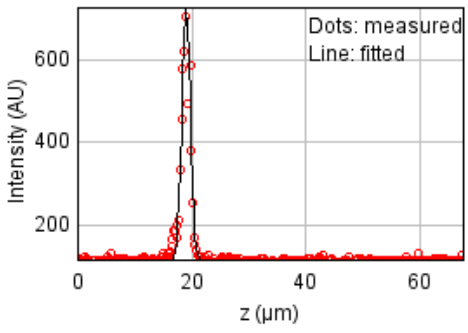




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 538.217 (brightness)
B = 120.487 (background)
a = 0.476 px
b = 0.073 px
c = 0.453 px
xc = 6.128 px
yc = 5.883 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 100405.646
Standard deviation: 18.08464
R^2: 0.95574
Parameters:
a = 113.80721
b = 726.56942
c = 19.08527
d = 0.74586

Bead 853

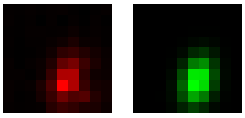
Date : Mon Oct 17 13:28:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

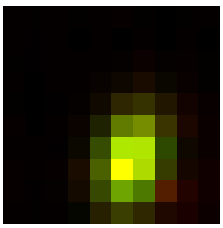
Coordinates : 34.2 um (x), 54.2 um (y), 18.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	480 nm	496 nm	223 nm
max	730 nm	754 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.658		
Theta	76.5°		

XY profile & fitting parameters :

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

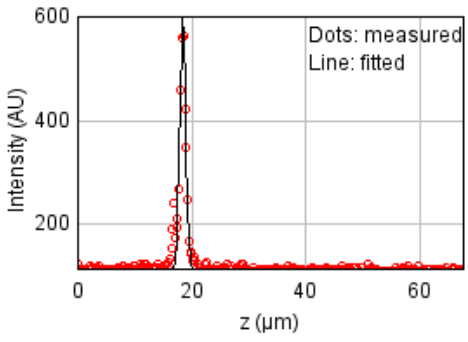




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.941

Parameters:
A = 670.883 (brightness)
B = 125.397 (background)
a = 0.564 px
b = 0.075 px
c = 0.270 px
xc = 5.416 px
yc = 6.567 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45560.8489
Standard deviation: 12.18223
R^2: 0.95530
Parameters:
a = 114.51503
b = 600.74466
c = 18.49353
d = 0.52570

Bead 854

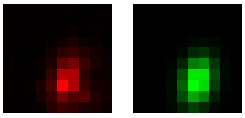
Date : Mon Oct 17 13:28:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

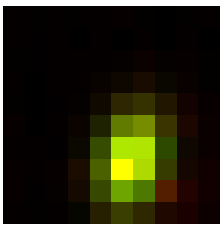
Coordinates : 34.2 um (x), 54.2 um (y), 18.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	480 nm	496 nm	223 nm
max	730 nm	754 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.658		
Theta	76.5°		

XY profile & fitting parameters :

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

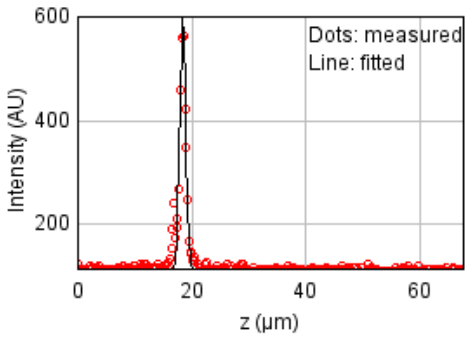




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.941

Parameters:
A = 670.883 (brightness)
B = 125.397 (background)
a = 0.564 px
b = 0.075 px
c = 0.270 px
xc = 5.416 px
yc = 6.567 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45560.8489
Standard deviation: 12.18223
R^2: 0.95530
Parameters:
a = 114.51503
b = 600.74466
c = 18.49353
d = 0.52570

Bead 855

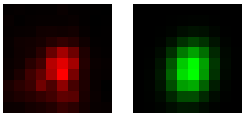
Date : Mon Oct 17 13:28:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

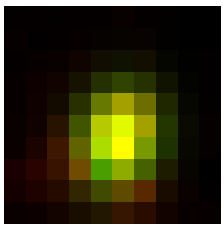
Coordinates : -50.9 um (x), 29.8 um (y), 19.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	633 nm	654 nm	223 nm
max	813 nm	840 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.779		
Theta	75.2°		

XY profile & fitting parameters :

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

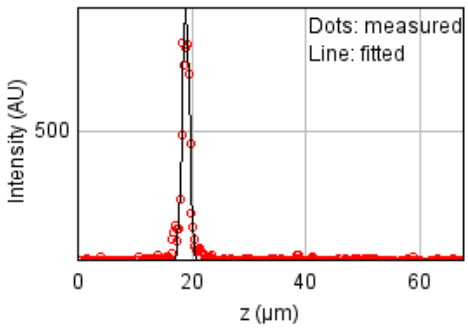




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.923

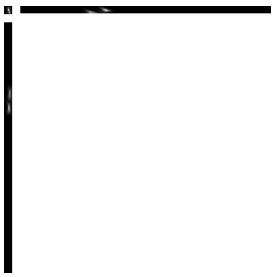
Parameters:
A = 648.157 (brightness)
B = 131.322 (background)
a = 0.326 px
b = 0.033 px
c = 0.212 px
xc = 4.766 px
yc = 5.590 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 107969.026
Standard deviation: 18.75342
R^2: 0.96367
Parameters:
a = 114.67680
b = 878.51436
c = 19.02141
d = 0.63008

Bead 856



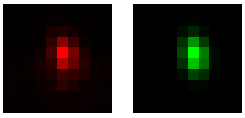
Date : Mon Oct 17 13:28:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

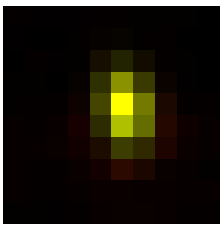
Coordinates : -6.35 um (x), 16.5 um (y), 22.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	361 nm	373 nm	223 nm
max	570 nm	589 nm	223 nm
z	1.39 um	1.4 um	885 nm
Asymmetry	0.633		
Theta	-81.7°		

XY profile & fitting parameters :

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

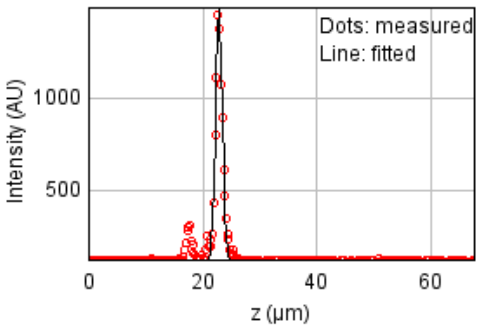




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 1399.267 (brightness)
B = 139.596 (background)
a = 1.016 px
b = -0.088 px
c = 0.426 px
xc = 5.151 px
yc = 4.193 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 284400.950
Standard deviation: 30.43661
R^2: 0.96820
Parameters:
a = 121.62320
b = 1490.36236
c = 22.91487
d = 0.59211

Bead 857

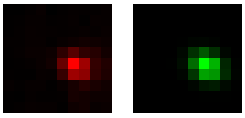
Date : Mon Oct 17 13:28:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

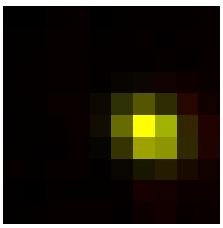
Coordinates : 85.0 um (x), 9.62 um (y), 18.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	503 nm	520 nm	223 nm
z	1.55 um	1.55 um	885 nm
Asymmetry	0.786		
Theta	-29.7°		

XY profile & fitting parameters :

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

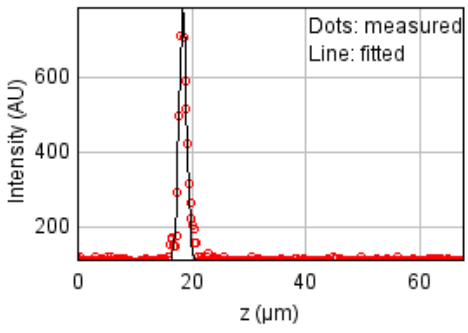




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

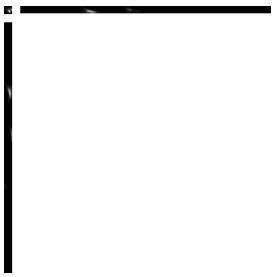
Parameters:
A = 694.684 (brightness)
B = 120.450 (background)
a = 0.610 px
b = -0.141 px
c = 0.777 px
xc = 6.266 px
yc = 5.255 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 75979.9805
Standard deviation: 15.73187
R^2: 0.96829
Parameters:
a = 113.34003
b = 787.54134
c = 18.51225
d = 0.65614

Bead 858



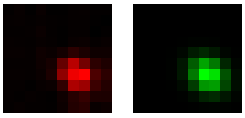
Date : Mon Oct 17 13:28:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

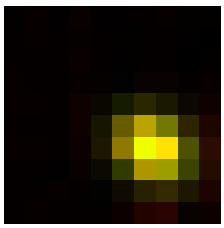
Coordinates : 84.6 um (x), -4.4 um (y), 19.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	491 nm	507 nm	223 nm
max	601 nm	621 nm	223 nm
z	1.69 um	1.7 um	885 nm
Asymmetry	0.817		
Theta	-37.3°		

XY profile & fitting parameters :

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

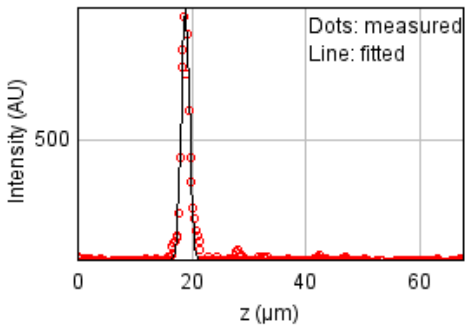




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

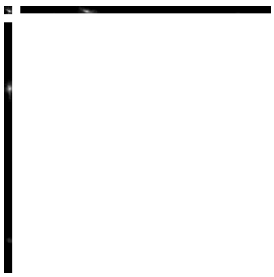
Parameters:
A = 703.563 (brightness)
B = 115.057 (background)
a = 0.440 px
b = -0.089 px
c = 0.489 px
xc = 6.360 px
yc = 6.023 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 184544.276
Standard deviation: 24.51778
R^2: 0.95157
Parameters:
a = 116.17163
b = 923.01144
c = 18.95020
d = 0.71839

Bead 859



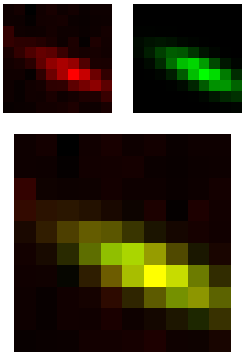
Date : Mon Oct 17 13:28:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 136 um (x), -16.4 um (y), 17.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	400 nm	223 nm
max	1.29 um	1.33 um	223 nm
z	1.78 um	1.78 um	885 nm
Asymmetry	0.3		
Theta	-24.2°		

XY profile & fitting parameters :

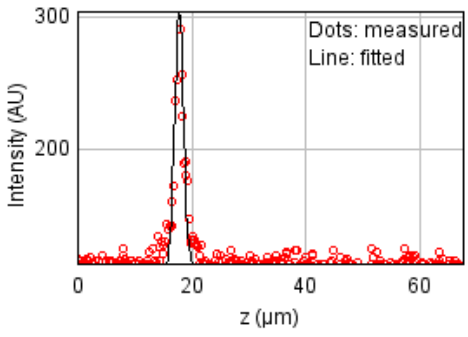
(red : the orignal data, green : the fit, yellow : the two merged)



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

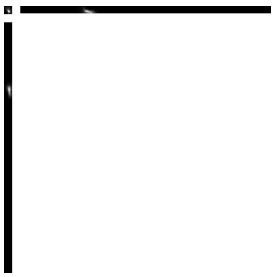
Parameters:
A = 218.533 (brightness)
B = 114.164 (background)
a = 0.218 px
b = -0.305 px
c = 0.761 px
xc = 5.813 px
yc = 5.749 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23895.8395
Standard deviation: 8.82251
R^2: 0.90036
Parameters:
a = 112.19877
b = 304.53944
c = 17.86624
d = 0.75418

Bead 860



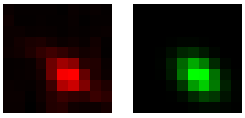
Date : Mon Oct 17 13:28:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

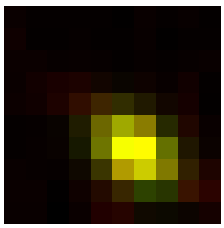
Coordinates : 101 um (x), -32.6 um (y), 18.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	483 nm	499 nm	223 nm
max	692 nm	716 nm	223 nm
z	1.77 um	1.78 um	885 nm
Asymmetry	0.698		
Theta	-39.2°		

XY profile & fitting parameters :

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

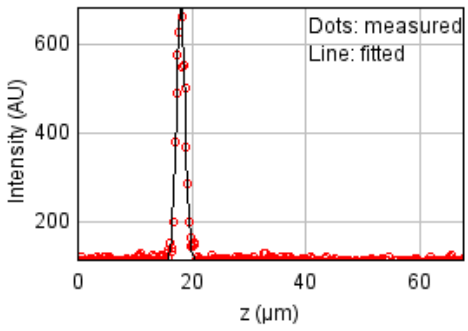




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 584.514 (brightness)
B = 124.994 (background)
a = 0.398 px
b = -0.145 px
c = 0.457 px
xc = 5.523 px
yc = 6.119 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40033.5813
Standard deviation: 11.41939
R^2: 0.97979
Parameters:
a = 112.36803
b = 689.49464
c = 18.15594
d = 0.75288

Bead 861

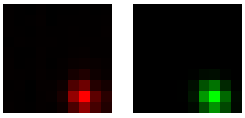
Date : Mon Oct 17 13:28:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

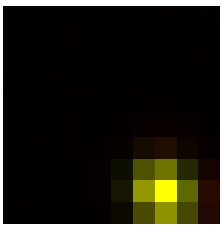
Coordinates : 109 um (x), -45.1 um (y), 48.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	429 nm	223 nm
max	470 nm	486 nm	223 nm
z	1.18 um	1.19 um	885 nm
Asymmetry	0.881		
Theta	-50.0°		

XY profile & fitting parameters :

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

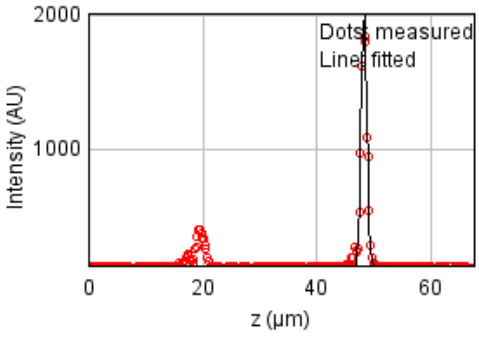




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

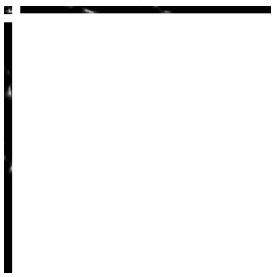
Parameters:
A = 1701.532 (brightness)
B = 120.755 (background)
a = 0.708 px
b = -0.086 px
c = 0.678 px
xc = 6.876 px
yc = 8.077 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 740284.510
Standard deviation: 49.10550
R^2: 0.95042
Parameters:
a = 124.82421
b = 2023.59505
c = 48.34164
d = 0.50176

Bead 862



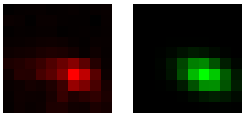
Date : Mon Oct 17 13:28:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

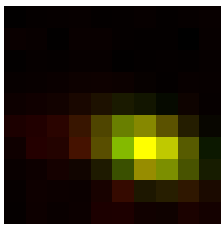
Coordinates : -82.7 um (x), -73.7 um (y), 18.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	452 nm	468 nm	223 nm
max	756 nm	781 nm	223 nm
z	1.83 um	1.84 um	885 nm
Asymmetry	0.598		
Theta	-18.6°		

XY profile & fitting parameters :

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

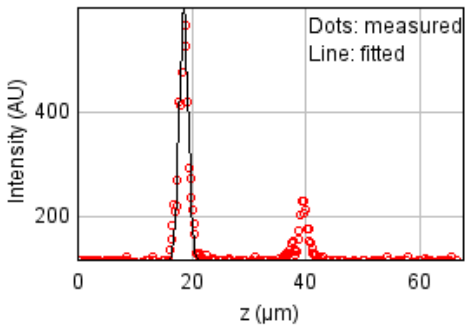




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.921

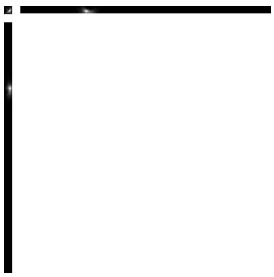
Parameters:
A = 500.876 (brightness)
B = 128.523 (background)
a = 0.278 px
b = -0.127 px
c = 0.613 px
xc = 6.087 px
yc = 6.035 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 124134.335
Standard deviation: 20.10837
R^2: 0.91854
Parameters:
a = 117.90638
b = 600.10079
c = 18.66811
d = 0.77900

Bead 863



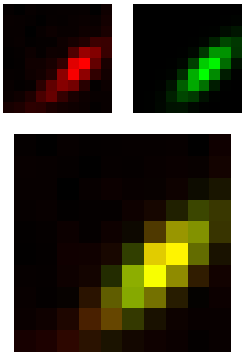
Date : Mon Oct 17 13:28:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -158 um (x), -75.8 um (y), 17.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	1.08 um	1.11 um	223 nm
z	1.98 um	1.98 um	885 nm
Asymmetry	0.358		
Theta	44.1°		

XY profile & fitting parameters :

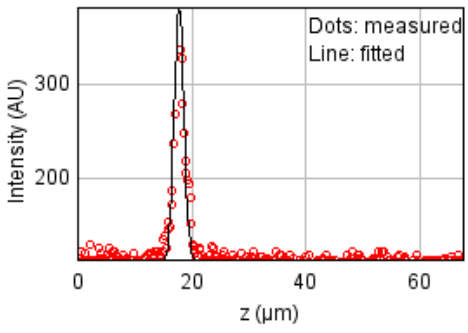
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 324.775 (brightness)
B = 115.343 (background)
a = 0.497 px
b = 0.393 px
c = 0.522 px
xc = 6.279 px
yc = 5.507 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35927.8055
Standard deviation: 10.81798
R^2: 0.92945
Parameters:
a = 111.60147
b = 382.17266
c = 17.84285
d = 0.83941

Bead 864

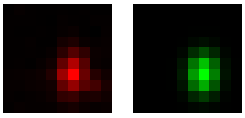
Date : Mon Oct 17 13:28:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

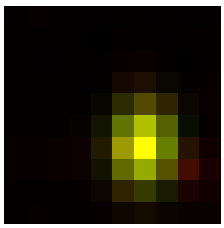
Coordinates : 16.5 um (x), 75.9 um (y), 19.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	470 nm	486 nm	223 nm
max	629 nm	650 nm	223 nm
z	1.44 um	1.44 um	885 nm
Asymmetry	0.747		
Theta	88.4°		

XY profile & fitting parameters :

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

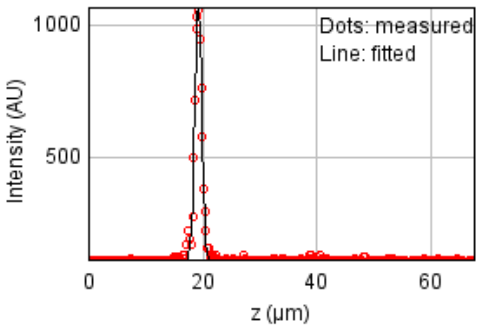




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

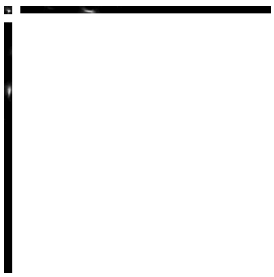
Parameters:
A = 873.643 (brightness)
B = 125.615 (background)
a = 0.607 px
b = 0.007 px
c = 0.339 px
xc = 5.917 px
yc = 5.913 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61902.8052
Standard deviation: 14.19992
R^2: 0.98601
Parameters:
a = 116.16989
b = 1072.99610
c = 19.28467
d = 0.61115

Bead 865



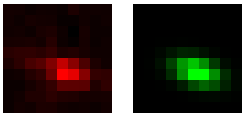
Date : Mon Oct 17 13:28:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

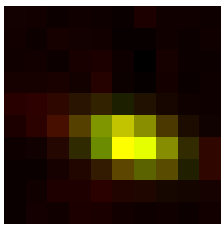
Coordinates : -156 um (x), 74.4 um (y), 18.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	416 nm	223 nm
max	740 nm	765 nm	223 nm
z	1.93 um	1.94 um	885 nm
Asymmetry	0.544		
Theta	-17.4°		

XY profile & fitting parameters :

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

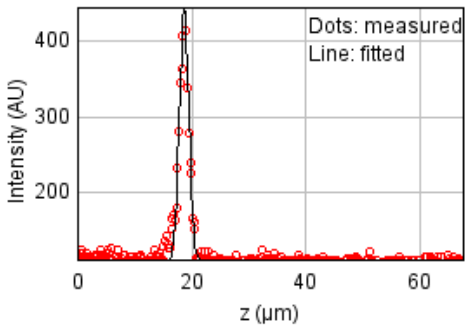




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.939

Parameters:
A = 345.881 (brightness)
B = 122.826 (background)
a = 0.297 px
b = -0.166 px
c = 0.775 px
xc = 5.363 px
yc = 5.747 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25246.4556
Standard deviation: 9.06841
R^2: 0.96538
Parameters:
a = 111.22782
b = 445.04835
c = 18.74028
d = 0.81921

Bead 866

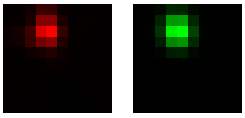
Date : Mon Oct 17 13:28:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

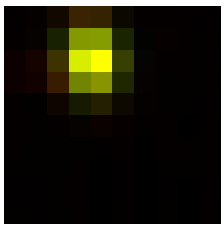
Coordinates : -49.6 um (x), 60.1 um (y), 40.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	428 nm	442 nm	223 nm
max	511 nm	528 nm	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.837		
Theta	-84.6°		

XY profile & fitting parameters :

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

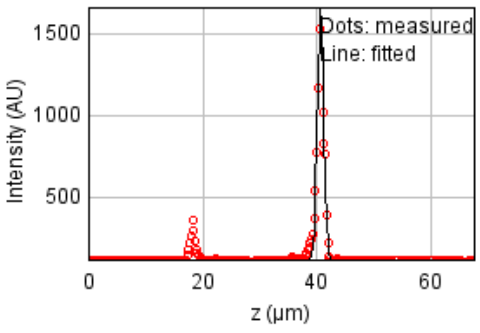




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

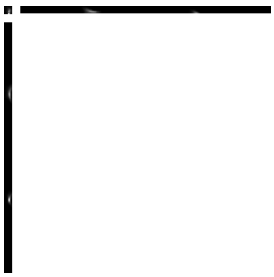
Parameters:
A = 1712.578 (brightness)
B = 124.065 (background)
a = 0.731 px
b = -0.020 px
c = 0.516 px
xc = 3.548 px
yc = 1.958 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 380097.625
Standard deviation: 35.18669
R^2: 0.96505
Parameters:
a = 119.99765
b = 1664.37966
c = 40.71809
d = 0.56277

Bead 867 (Rejected)



Date : Mon Oct 17 13:28:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -97.2 um (x), 44.7 um (y), 47.8 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

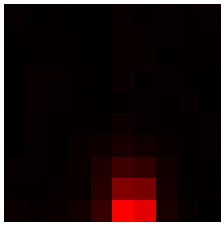
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.03 um	1.03 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

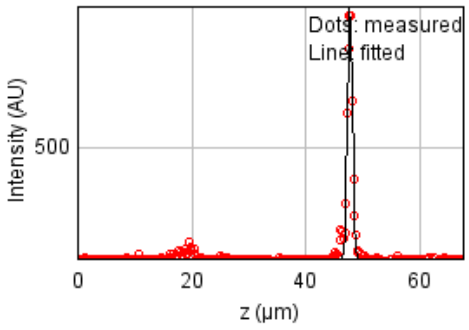
XY profile & fitting parameters :

(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: 68547.7032
Standard deviation: 14.94264
R^2: 0.97426
Parameters:
a = 116.96250
b = 986.83885
c = 47.77621
d = 0.43552

Bead 868

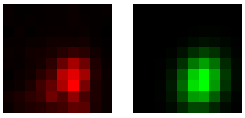
Date : Mon Oct 17 13:28:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

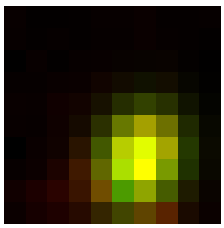
Coordinates : -50.9 um (x), 29.8 um (y), 19.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	634 nm	655 nm	223 nm
max	796 nm	823 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.796		
Theta	71.3°		

XY profile & fitting parameters :

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

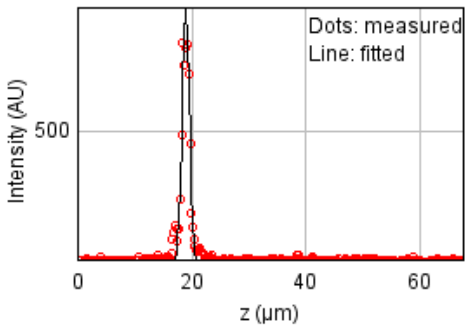




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.930

Parameters:
A = 657.559 (brightness)
B = 128.831 (background)
a = 0.322 px
b = 0.037 px
c = 0.224 px
xc = 5.761 px
yc = 6.561 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 107969.026
Standard deviation: 18.75342
R^2: 0.96367
Parameters:
a = 114.67680
b = 878.51436
c = 19.02141
d = 0.63008

Bead 869

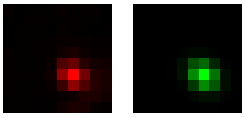
Date : Mon Oct 17 13:28:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

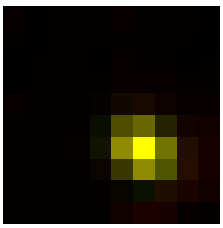
Coordinates : 64.4 um (x), 4.16 um (y), 19.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	483 nm	500 nm	223 nm
z	1.51 um	1.51 um	885 nm
Asymmetry	0.805		
Theta	-39.9°		

XY profile & fitting parameters :

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

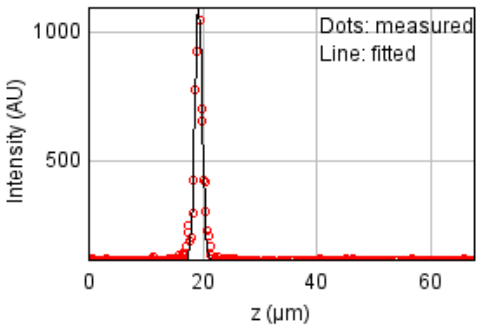




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

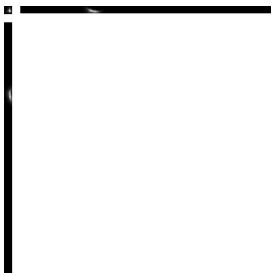
Parameters:
A = 986.061 (brightness)
B = 123.083 (background)
a = 0.703 px
b = -0.153 px
c = 0.758 px
xc = 5.952 px
yc = 6.085 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 121744.738
Standard deviation: 19.91388
R^2: 0.97531
Parameters:
a = 115.07017
b = 1096.95848
c = 19.32262
d = 0.64076

Bead 870



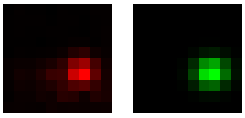
Date : Mon Oct 17 13:28:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

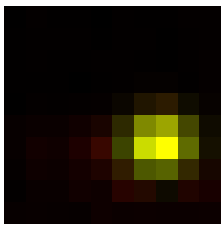
Coordinates : -60.8 um (x), -22.8 um (y), 20.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	455 nm	223 nm
max	513 nm	530 nm	223 nm
z	1.71 um	1.72 um	885 nm
Asymmetry	0.859		
Theta	5.3°		

XY profile & fitting parameters :

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

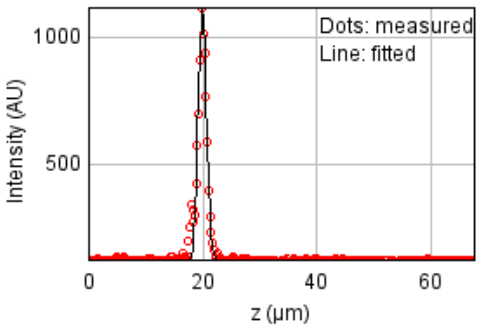




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

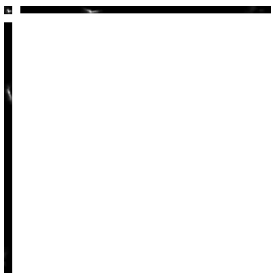
Parameters:
A = 1117.159 (brightness)
B = 141.619 (background)
a = 0.512 px
b = 0.017 px
c = 0.691 px
xc = 6.654 px
yc = 5.825 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 135544.914
Standard deviation: 21.01224
R^2: 0.97680
Parameters:
a = 115.05541
b = 1121.18054
c = 20.01323
d = 0.72743

Bead 871



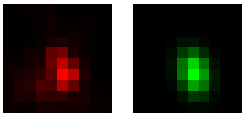
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

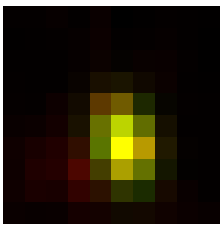
Coordinates : -61.1 um (x), -31.9 um (y), 18.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	449 nm	464 nm	223 nm
max	659 nm	681 nm	223 nm
z	917 nm	921 nm	885 nm
Asymmetry	0.682		
Theta	-76.8°		

XY profile & fitting parameters :

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

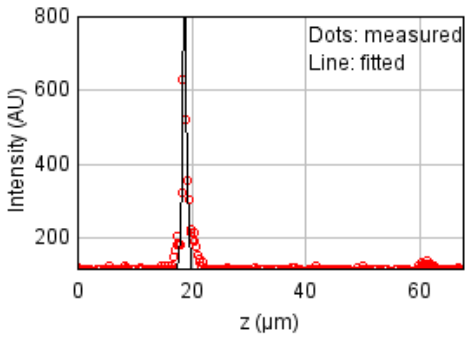




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.918

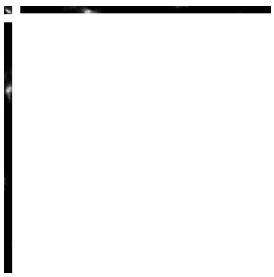
Parameters:
A = 693.716 (brightness)
B = 129.583 (background)
a = 0.647 px
b = -0.079 px
c = 0.328 px
xc = 5.084 px
yc = 5.806 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 103244.811
Standard deviation: 18.33855
R^2: 0.93748
Parameters:
a = 116.34188
b = 825.86876
c = 18.80617
d = 0.38961

Bead 872



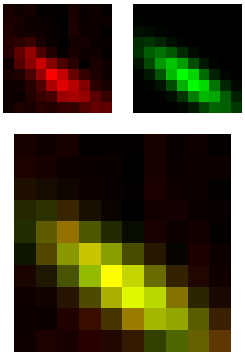
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 145 um (x), -53.6 um (y), 18.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	465 nm	481 nm	223 nm
max	1.56 um	1.61 um	223 nm
z	2.57 um	2.58 um	885 nm
Asymmetry	0.299		
Theta	-35.3°		

XY profile & fitting parameters :

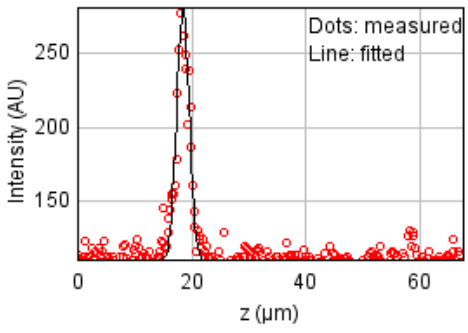
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 207.221 (brightness)
B = 116.694 (background)
a = 0.244 px
b = -0.267 px
c = 0.431 px
xc = 4.610 px
yc = 6.443 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22007.1043
Standard deviation: 8.46666
R^2: 0.91617
Parameters:
a = 110.54469
b = 280.85096
c = 18.53378
d = 1.09163

Bead 873

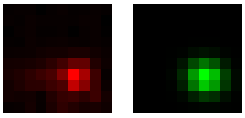
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

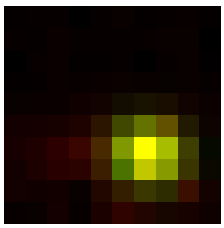
Coordinates : -63.3 um (x), -62.3 um (y), 19.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	506 nm	523 nm	223 nm
max	576 nm	596 nm	223 nm
z	1.7 um	1.71 um	885 nm
Asymmetry	0.879		
Theta	-9.9°		

XY profile & fitting parameters :

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

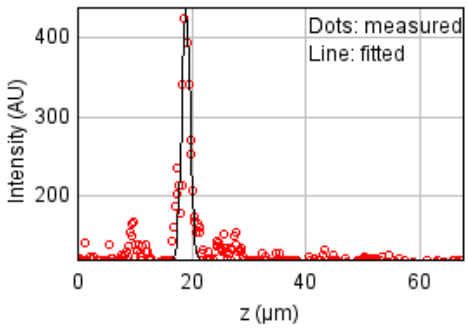




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.913

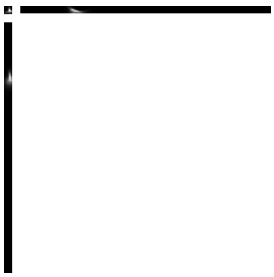
Parameters:
A = 467.564 (brightness)
B = 128.054 (background)
a = 0.408 px
b = -0.020 px
c = 0.520 px
xc = 6.142 px
yc = 6.269 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 75469.4110
Standard deviation: 15.67893
R^2: 0.88417
Parameters:
a = 119.10025
b = 440.02347
c = 19.05122
d = 0.72148

Bead 874



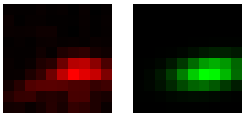
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

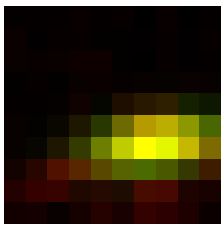
Coordinates : 5.17 um (x), -74.3 um (y), 15.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	438 nm	453 nm	223 nm
max	1.06 um	1.09 um	223 nm
z	2.36 um	2.37 um	885 nm
Asymmetry	0.414		
Theta	7.8°		

XY profile & fitting parameters :

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

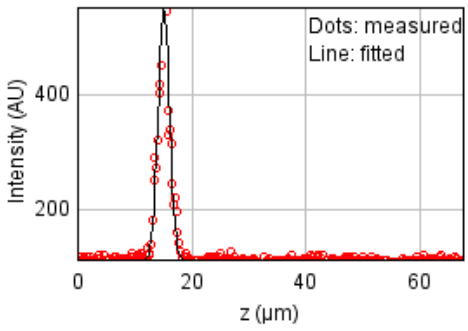




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.914

Parameters:
A = 479.361 (brightness)
B = 131.020 (background)
a = 0.130 px
b = 0.078 px
c = 0.688 px
xc = 6.477 px
yc = 5.811 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56085.5094
Standard deviation: 13.51625
R^2: 0.96313
Parameters:
a = 113.34744
b = 550.51646
c = 15.17914
d = 1.00421

Bead 875 (Rejected)

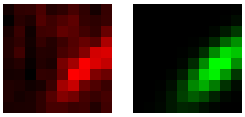
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

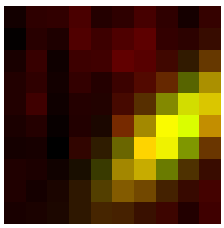
Coordinates : 108 um (x), -74.4 um (y), 16.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	496 nm	513 nm	223 nm
max	1.35 um	1.4 um	223 nm
z	2.15 um	2.16 um	885 nm
Asymmetry	0.366		
Theta	43.4°		

XY profile & fitting parameters :

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

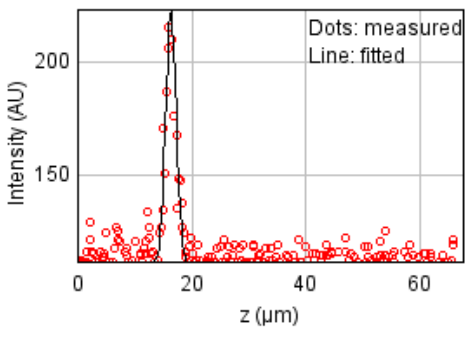




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.863

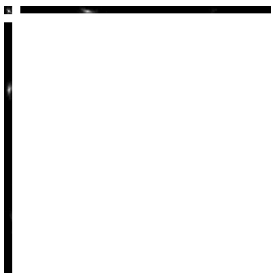
Parameters:
A = 116.737 (brightness)
B = 119.152 (background)
a = 0.296 px
b = 0.236 px
c = 0.323 px
xc = 7.388 px
yc = 5.159 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 13735.5710
Standard deviation: 6.68889
R^2: 0.86314
Parameters:
a = 111.66016
b = 222.88180
c = 16.43125
d = 0.91275

Bead 876



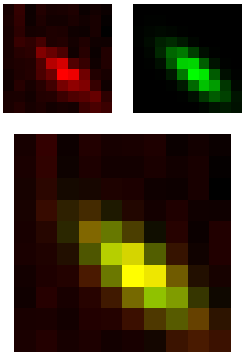
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 148 um (x), -86.9 um (y), 18.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	414 nm	223 nm
max	1.07 um	1.11 um	223 nm
z	1.77 um	1.77 um	885 nm
Asymmetry	0.372		
Theta	-40.4°		

XY profile & fitting parameters :

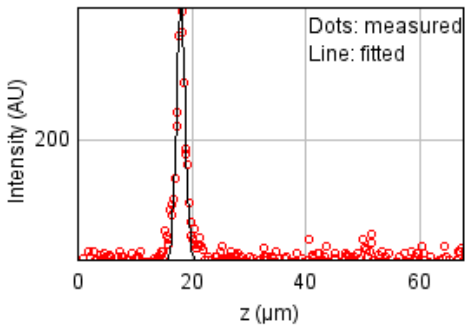
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 176.813 (brightness)
B = 113.028 (background)
a = 0.420 px
b = -0.356 px
c = 0.535 px
xc = 5.241 px
yc = 5.828 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19851.8472
Standard deviation: 8.04139
R^2: 0.91216
Parameters:
a = 111.37527
b = 299.81058
c = 18.16765
d = 0.75008

Bead 877

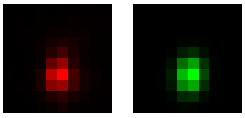
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

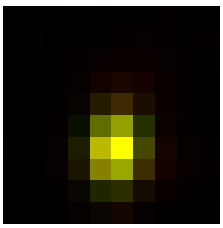
Coordinates : -22.5 um (x), -88.4 um (y), 60.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	424 nm	223 nm
max	553 nm	571 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.743		
Theta	84.6°		

XY profile & fitting parameters :

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

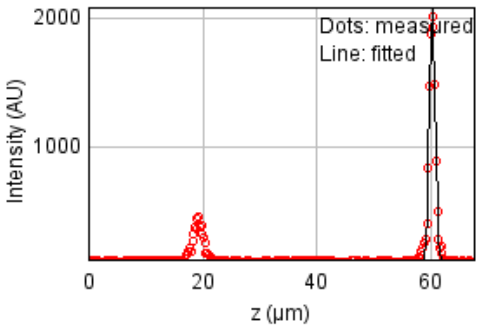




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1940.650 (brightness)
B = 138.827 (background)
a = 0.793 px
b = 0.033 px
c = 0.442 px
xc = 4.699 px
yc = 6.045 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 854200.945
Standard deviation: 52.74859
R^2: 0.94488
Parameters:
a = 127.90669
b = 2077.39189
c = 60.29098
d = 0.49085

Bead 878 (Rejected)

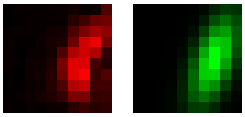
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

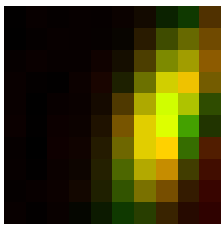
Coordinates : 67.5 um (x), 63.5 um (y), 26.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	600 nm	621 nm	223 nm
max	1.44 um	1.49 um	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.416		
Theta	70.1°		

XY profile & fitting parameters :

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

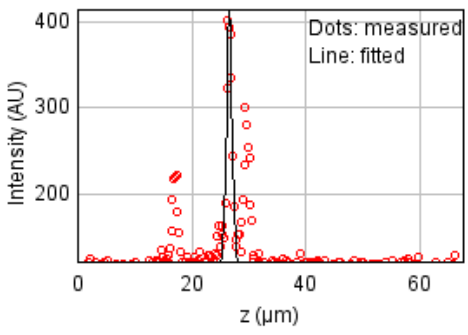




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.900

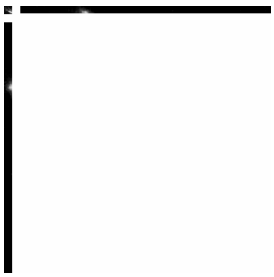
Parameters:
A = 314.156 (brightness)
B = 118.189 (background)
a = 0.337 px
b = 0.098 px
c = 0.100 px
xc = 6.941 px
yc = 4.580 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 197362.217
Standard deviation: 25.35495
R^2: 0.62879
Parameters:
a = 119.81228
b = 415.65780
c = 26.65309
d = 0.48648

Bead 879 (Rejected)



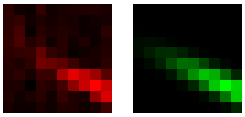
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

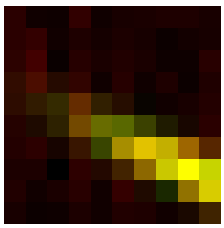
Coordinates : 150 um (x), -9.31 um (y), 17.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	360 nm	372 nm	223 nm
max	2.08 um	2.15 um	223 nm
z	1.85 um	1.85 um	885 nm
Asymmetry	0.173		
Theta	-25.0°		

XY profile & fitting parameters :

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

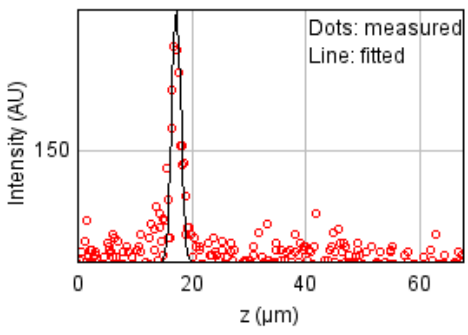




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.916

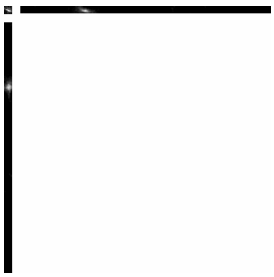
Parameters:
A = 135.344 (brightness)
B = 113.509 (background)
a = 0.210 px
b = -0.384 px
c = 0.856 px
xc = 8.679 px
yc = 7.335 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14001.4551
Standard deviation: 6.75332
R^2: 0.77780
Parameters:
a = 110.06315
b = 200.01260
c = 17.36568
d = 0.78406

Bead 880 (Rejected)



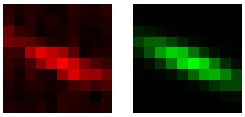
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

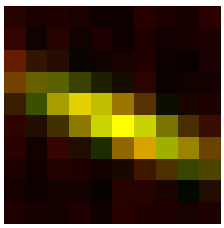
Coordinates : 150 um (x), -9.21 um (y), 17.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	369 nm	381 nm	223 nm
max	1.6 um	1.65 um	223 nm
z	1.85 um	1.85 um	885 nm
Asymmetry	0.231		
Theta	-22.5°		

XY profile & fitting parameters :

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

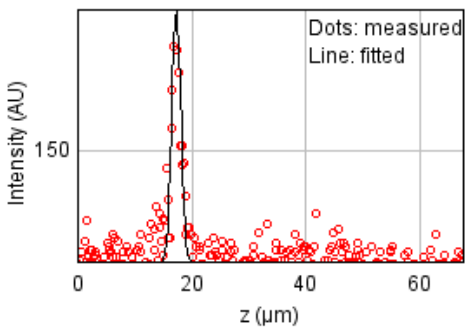




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.918

Parameters:
A = 132.495 (brightness)
B = 112.488 (background)
a = 0.190 px
b = -0.331 px
c = 0.850 px
xc = 4.719 px
yc = 4.849 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14001.4551
Standard deviation: 6.75332
R^2: 0.77780
Parameters:
a = 110.06315
b = 200.01260
c = 17.36568
d = 0.78406

Bead 881

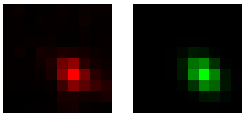
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

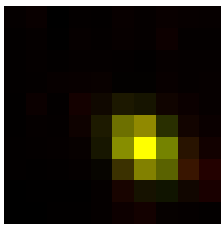
Coordinates : 101 um (x), -10.3 um (y), 19.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	414 nm	223 nm
max	549 nm	567 nm	223 nm
z	1.5 um	1.51 um	885 nm
Asymmetry	0.73		
Theta	-43.1°		

XY profile & fitting parameters :

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

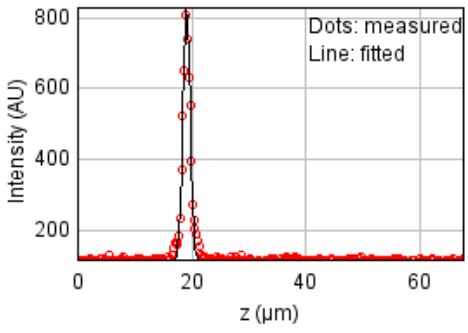




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

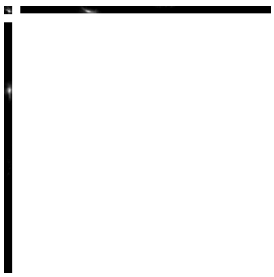
Parameters:
A = 751.887 (brightness)
B = 126.643 (background)
a = 0.628 px
b = -0.194 px
c = 0.654 px
xc = 5.958 px
yc = 5.967 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41433.4542
Standard deviation: 11.61733
R^2: 0.98394
Parameters:
a = 114.06170
b = 828.50297
c = 19.15146
d = 0.63881

Bead 882



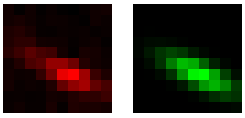
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

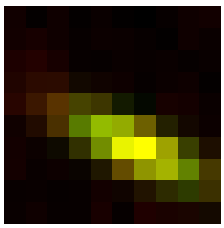
Coordinates : 133 um (x), -10.8 um (y), 18.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	1.17 um	1.2 um	223 nm
z	1.99 um	2.0 um	885 nm
Asymmetry	0.329		
Theta	-25.6°		

XY profile & fitting parameters :

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

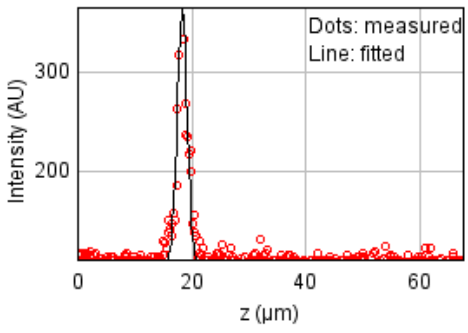




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 242.566 (brightness)
B = 115.673 (background)
a = 0.251 px
b = -0.317 px
c = 0.759 px
xc = 5.539 px
yc = 5.955 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36228.3471
Standard deviation: 10.86313
R^2: 0.92089
Parameters:
a = 111.29792
b = 365.66746
c = 18.40594
d = 0.84646

Bead 883

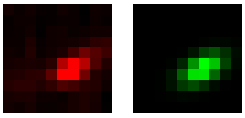
Date : Mon Oct 17 13:28:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

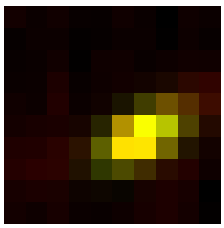
Coordinates : -146 um (x), -14.2 um (y), 18.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	395 nm	223 nm
max	708 nm	732 nm	223 nm
z	1.78 um	1.78 um	885 nm
Asymmetry	0.54		
Theta	28.4°		

XY profile & fitting parameters :

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

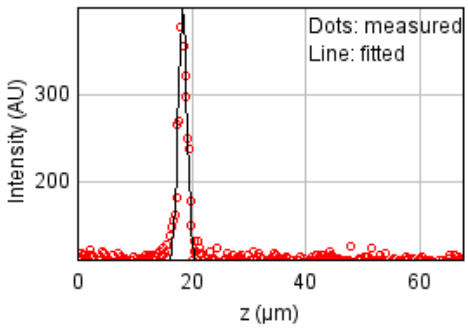




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 380.050 (brightness)
B = 120.712 (background)
a = 0.415 px
b = 0.272 px
c = 0.772 px
xc = 5.866 px
yc = 5.477 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22057.4087
Standard deviation: 8.47633
R^2: 0.95619
Parameters:
a = 111.53266
b = 398.70519
c = 18.46836
d = 0.75427

Bead 884

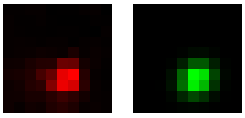
Date : Mon Oct 17 13:28:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

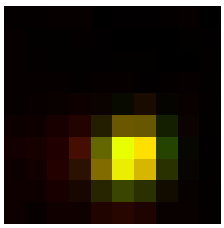
Coordinates : -108 um (x), -16.4 um (y), 19.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	465 nm	481 nm	223 nm
max	529 nm	547 nm	223 nm
z	1.4 um	1.4 um	885 nm
Asymmetry	0.88		
Theta	35.4°		

XY profile & fitting parameters :

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

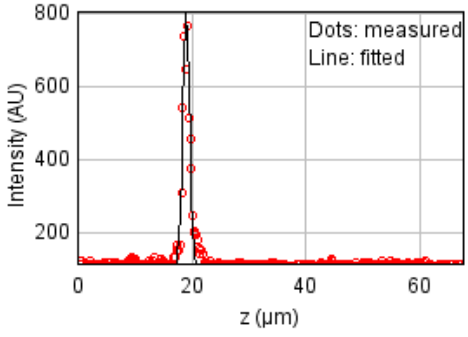




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

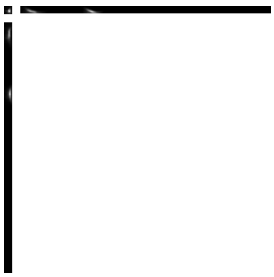
Parameters:
A = 696.876 (brightness)
B = 123.866 (background)
a = 0.527 px
b = 0.066 px
c = 0.573 px
xc = 5.324 px
yc = 6.402 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 119007.818
Standard deviation: 19.68877
R^2: 0.94937
Parameters:
a = 114.59714
b = 808.24999
c = 19.08306
d = 0.59406

Bead 885 (Rejected)



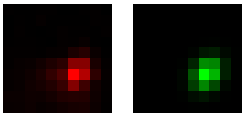
Date : Mon Oct 17 13:28:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

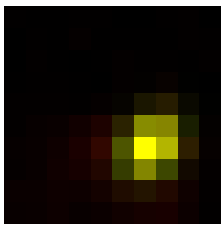
Coordinates : -86.2 um (x), -36.7 um (y), 19.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	510 nm	528 nm	223 nm
z	1.27 um	1.28 um	885 nm
Asymmetry	0.788		
Theta	54.2°		

XY profile & fitting parameters :

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

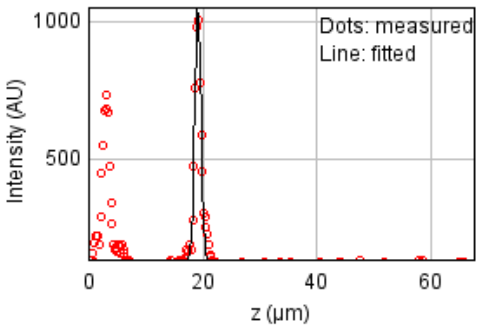




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

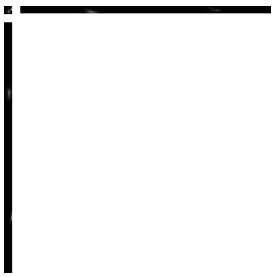
Parameters:
A = 970.365 (brightness)
B = 134.596 (background)
a = 0.722 px
b = 0.149 px
c = 0.623 px
xc = 6.278 px
yc = 5.917 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1987325.42
Standard deviation: 80.45727
R^2: 0.64493
Parameters:
a = 133.25594
b = 1057.11556
c = 19.19684
d = 0.54019

Bead 886 (Rejected)



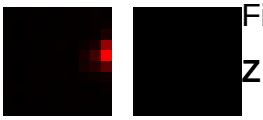
Date : Mon Oct 17 13:28:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -139 um (x), -44.0 um (y), 52.6 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

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

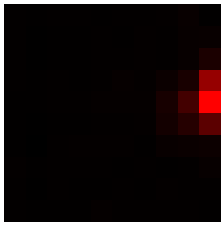
XY profile & fitting parameters :

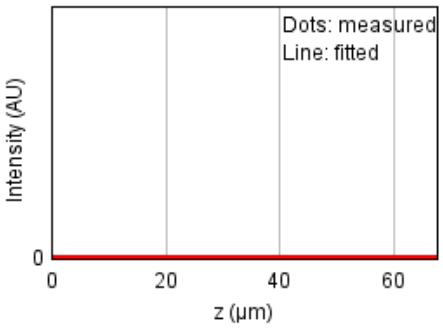
(red : the orignal data, green : the fit, yellow : the two merged)



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

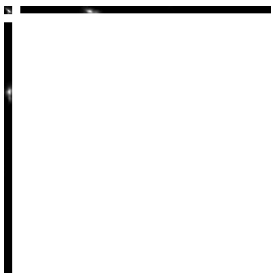
Z profile & fitting parameters:





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

Bead 887



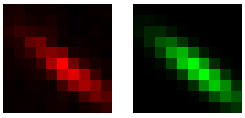
Date : Mon Oct 17 13:28:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

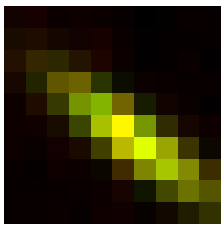
Coordinates : 121 um (x), -53.4 um (y), 18.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	1.51 um	1.56 um	223 nm
z	1.43 um	1.43 um	885 nm
Asymmetry	0.254		
Theta	-37.8°		

XY profile & fitting parameters :

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

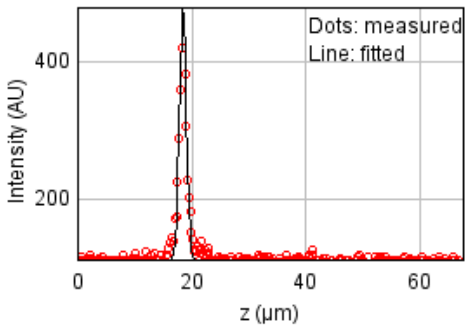




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 368.026 (brightness)
B = 118.722 (background)
a = 0.378 px
b = -0.412 px
c = 0.591 px
xc = 5.477 px
yc = 5.586 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25177.8993
Standard deviation: 9.05609
R^2: 0.96216
Parameters:
a = 112.54026
b = 480.45271
c = 18.52170
d = 0.60631

Bead 888

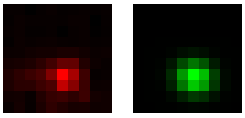
Date : Mon Oct 17 13:28:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

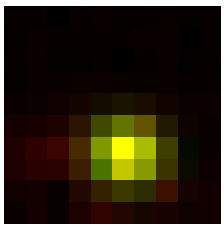
Coordinates : -63.3 um (x), -62.3 um (y), 19.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	508 nm	525 nm	223 nm
max	578 nm	598 nm	223 nm
z	1.7 um	1.71 um	885 nm
Asymmetry	0.879		
Theta	-9.9°		

XY profile & fitting parameters :

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

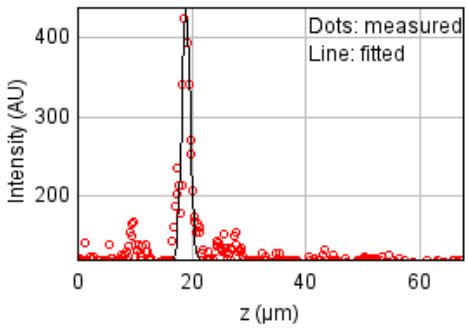




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.915

Parameters:
A = 467.265 (brightness)
B = 127.454 (background)
a = 0.405 px
b = -0.020 px
c = 0.517 px
xc = 5.141 px
yc = 6.269 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 75469.4110
Standard deviation: 15.67893
R^2: 0.88417
Parameters:
a = 119.10025
b = 440.02347
c = 19.05122
d = 0.72148

Bead 889

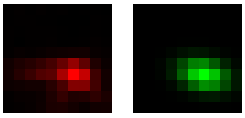
Date : Mon Oct 17 13:28:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

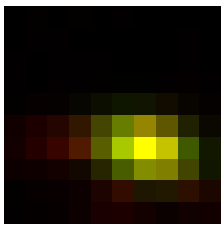
Coordinates : -67.3 um (x), -67.8 um (y), 20.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	458 nm	474 nm	223 nm
max	750 nm	776 nm	223 nm
z	1.9 um	1.9 um	885 nm
Asymmetry	0.61		
Theta	-12.6°		

XY profile & fitting parameters :

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

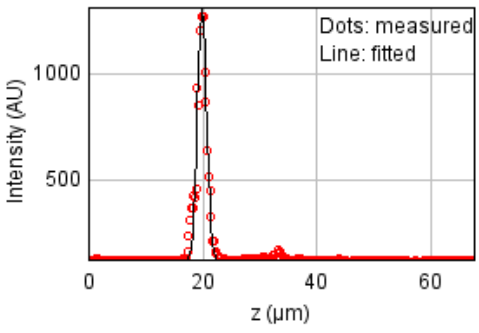




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.921

Parameters:
A = 1305.526 (brightness)
B = 149.557 (background)
a = 0.257 px
b = -0.085 px
c = 0.620 px
xc = 5.983 px
yc = 6.016 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 290687.682
Standard deviation: 30.77118
R^2: 0.96876
Parameters:
a = 117.13832
b = 1321.73330
c = 19.95759
d = 0.80492

Bead 890 (Rejected)

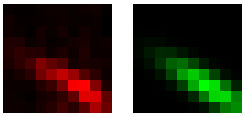
Date : Mon Oct 17 13:28:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

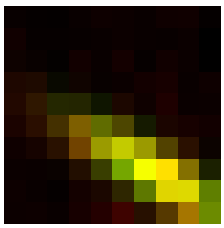
Coordinates : -113 um (x), -69.8 um (y), 19.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	411 nm	223 nm
max	1.49 um	1.54 um	223 nm
z	2.2 um	2.21 um	885 nm
Asymmetry	0.266		
Theta	-31.7°		

XY profile & fitting parameters :

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

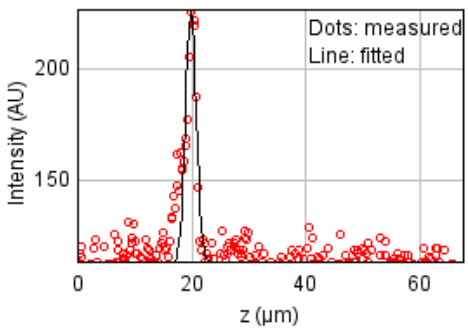




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.940

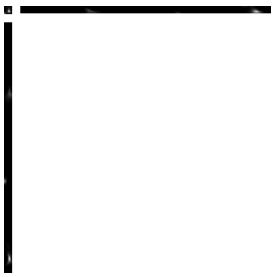
Parameters:
A = 307.993 (brightness)
B = 117.865 (background)
a = 0.279 px
b = -0.353 px
c = 0.633 px
xc = 6.479 px
yc = 7.170 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26002.6304
Standard deviation: 9.20321
R^2: 0.78003
Parameters:
a = 113.37305
b = 226.77253
c = 19.93952
d = 0.93580

Bead 891



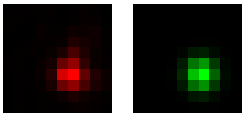
Date : Mon Oct 17 13:28:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

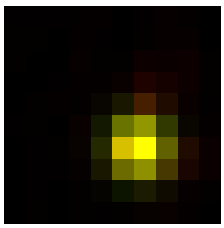
Coordinates : 7.2 um (x), -84.5 um (y), 63.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	462 nm	478 nm	223 nm
max	494 nm	511 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.935		
Theta	-86.9°		

XY profile & fitting parameters :

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

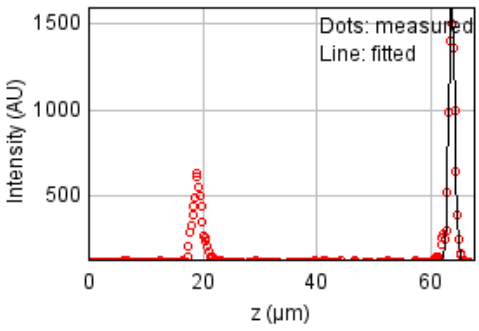




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 1449.854 (brightness)
B = 126.293 (background)
a = 0.629 px
b = -0.004 px
c = 0.550 px
xc = 5.729 px
yc = 5.975 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1597267.68
Standard deviation: 72.13062
R^2: 0.84980
Parameters:
a = 133.11993
b = 1618.96211
c = 63.69694
d = 0.52235

Bead 892

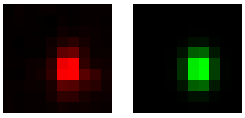
Date : Mon Oct 17 13:28:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

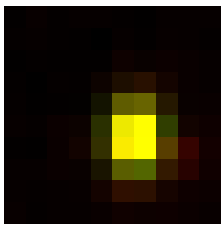
Coordinates : 19.7 um (x), 60.4 um (y), 19.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	438 nm	223 nm
max	538 nm	556 nm	223 nm
z	1.56 um	1.57 um	885 nm
Asymmetry	0.788		
Theta	-90.0°		

XY profile & fitting parameters :

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

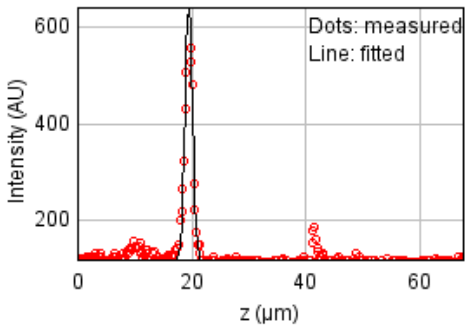




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

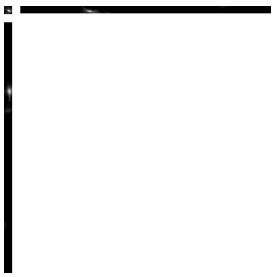
Parameters:
A = 757.832 (brightness)
B = 124.365 (background)
a = 0.746 px
b = -0.000 px
c = 0.463 px
xc = 5.557 px
yc = 5.507 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 62208.8182
Standard deviation: 14.23498
R^2: 0.95785
Parameters:
a = 117.56959
b = 640.73805
c = 19.55460
d = 0.66409

Bead 893



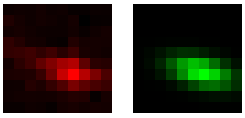
Date : Mon Oct 17 13:28:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

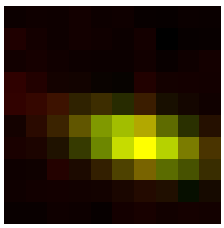
Coordinates : 139 um (x), 16.1 um (y), 18.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	435 nm	449 nm	223 nm
max	987 nm	1.02 um	223 nm
z	2.44 um	2.45 um	885 nm
Asymmetry	0.44		
Theta	-14.0°		

XY profile & fitting parameters :

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

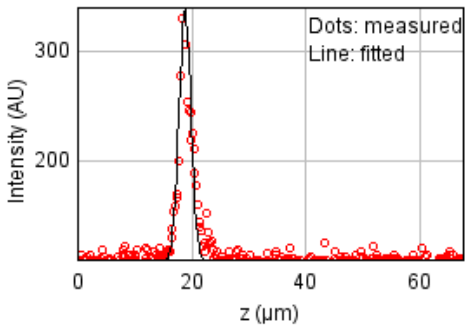




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

Parameters:
A = 234.948 (brightness)
B = 116.326 (background)
a = 0.171 px
b = -0.135 px
c = 0.677 px
xc = 5.742 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: 37804.0170
Standard deviation: 11.09685
R^2: 0.91560
Parameters:
a = 111.05432
b = 338.98895
c = 18.88669
d = 1.03590

Bead 894

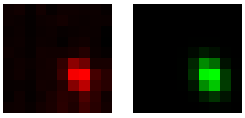
Date : Mon Oct 17 13:28:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

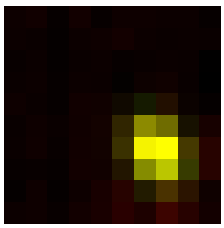
Coordinates : 41.7 um (x), -48.9 um (y), 18.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	410 nm	223 nm
max	527 nm	545 nm	223 nm
z	1.3 um	1.31 um	885 nm
Asymmetry	0.752		
Theta	-63.3°		

XY profile & fitting parameters :

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

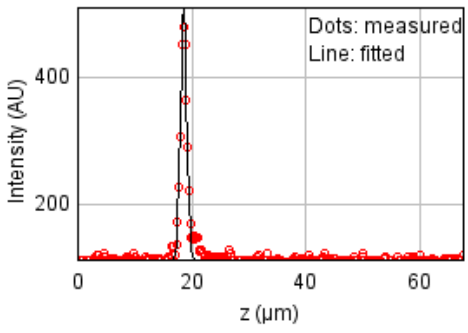




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 437.962 (brightness)
B = 122.014 (background)
a = 0.778 px
b = -0.149 px
c = 0.558 px
xc = 6.561 px
yc = 6.155 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24326.0259
Standard deviation: 8.90157
R^2: 0.96553
Parameters:
a = 113.18907
b = 509.70739
c = 18.64048
d = 0.55397

Bead 895

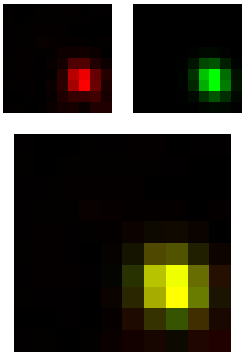
Date : Mon Oct 17 13:28:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 63.5 um (x), -60.2 um (y), 19.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	465 nm	481 nm	223 nm
max	520 nm	538 nm	223 nm
z	1.12 um	1.12 um	885 nm
Asymmetry	0.894		
Theta	-44.9°		

XY profile & fitting parameters :

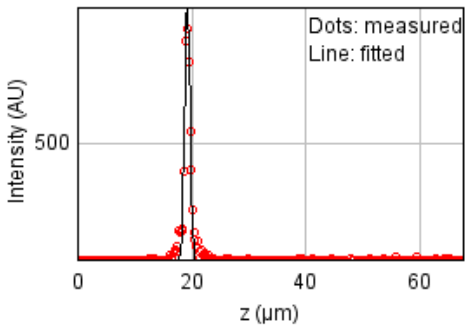
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 914.706 (brightness)
B = 117.674 (background)
a = 0.558 px
b = -0.062 px
c = 0.558 px
xc = 6.792 px
yc = 6.481 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 94986.8232
Standard deviation: 17.58986
R^2: 0.96560
Parameters:
a = 114.56711
b = 960.92323
c = 19.28357
d = 0.47374

Bead 896

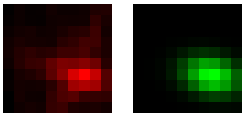
Date : Mon Oct 17 13:28:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

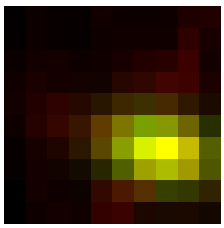
Coordinates : -108 um (x), -94.0 um (y), 19.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	567 nm	586 nm	223 nm
max	885 nm	915 nm	223 nm
z	1.79 um	1.8 um	885 nm
Asymmetry	0.64		
Theta	-12.9°		

XY profile & fitting parameters :

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

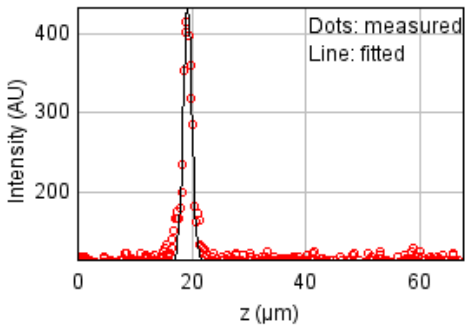




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.903

Parameters:
A = 320.920 (brightness)
B = 130.790 (background)
a = 0.184 px
b = -0.054 px
c = 0.406 px
xc = 6.673 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: 32285.5622
Standard deviation: 10.25498
R^2: 0.94903
Parameters:
a = 113.49177
b = 433.27785
c = 19.33840
d = 0.75984

Bead 897 (Rejected)

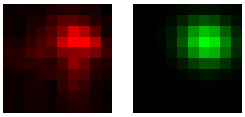
Date : Mon Oct 17 13:28:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

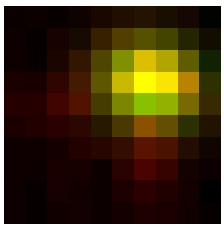
Coordinates : -12.9 um (x), -93.3 um (y), 17.1 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	683 nm	707 nm	223 nm
max	793 nm	820 nm	223 nm
z	2.49 um	2.5 um	885 nm
Asymmetry	0.861		
Theta	-12.8°		

XY profile & fitting parameters :

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

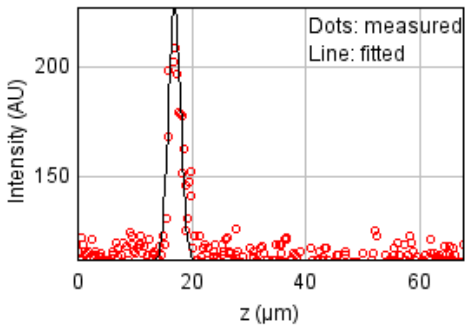




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.887

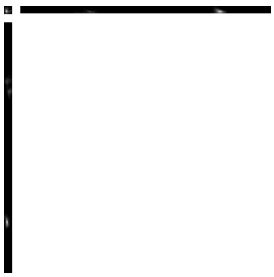
Parameters:
A = 283.452 (brightness)
B = 127.734 (background)
a = 0.217 px
b = -0.016 px
c = 0.284 px
xc = 6.239 px
yc = 3.017 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21475.7353
Standard deviation: 8.36382
R^2: 0.83204
Parameters:
a = 112.32541
b = 227.40541
c = 17.05268
d = 1.05535

Bead 898



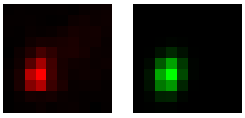
Date : Mon Oct 17 13:28:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

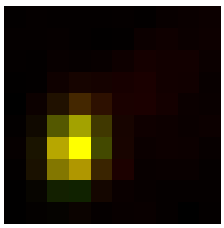
Coordinates : 159 um (x), 89.8 um (y), 53.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	408 nm	223 nm
max	536 nm	555 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.735		
Theta	76.2°		

XY profile & fitting parameters :

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

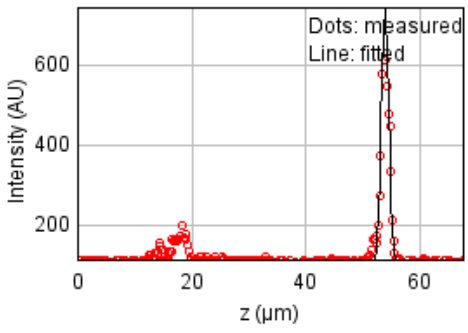




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

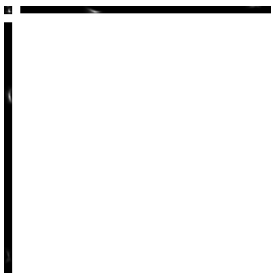
Parameters:
A = 754.545 (brightness)
B = 129.779 (background)
a = 0.841 px
b = 0.092 px
c = 0.489 px
xc = 2.752 px
yc = 6.010 px

Z profile & fitting parameters:



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

Bead 899



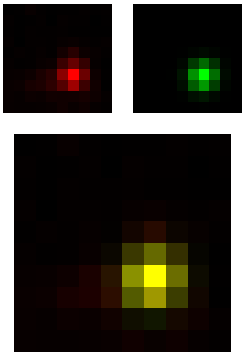
Date : Mon Oct 17 13:28:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -47.5 um (x), 20.9 um (y), 20.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	442 nm	223 nm
max	444 nm	459 nm	223 nm
z	1.58 um	1.59 um	885 nm
Asymmetry	0.962		
Theta	48.2°		

XY profile & fitting parameters :

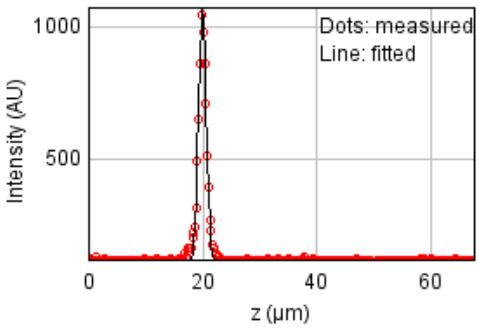
(red : the orignal data, green : the fit, yellow : the two merged)



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 = 923.860 (brightness)
B = 127.601 (background)
a = 0.711 px
b = 0.027 px
c = 0.705 px
xc = 5.894 px
yc = 6.135 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 58559.8966
Standard deviation: 13.81119
R^2: 0.98792
Parameters:
a = 115.59197
b = 1073.62129
c = 20.02832
d = 0.67121

Bead 900

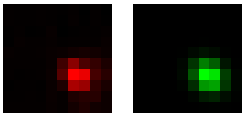
Date : Mon Oct 17 13:28:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

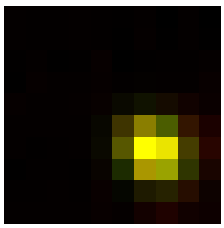
Coordinates : 72.9 um (x), 10.7 um (y), 19.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	452 nm	223 nm
max	513 nm	530 nm	223 nm
z	1.74 um	1.75 um	885 nm
Asymmetry	0.852		
Theta	-41.7°		

XY profile & fitting parameters :

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

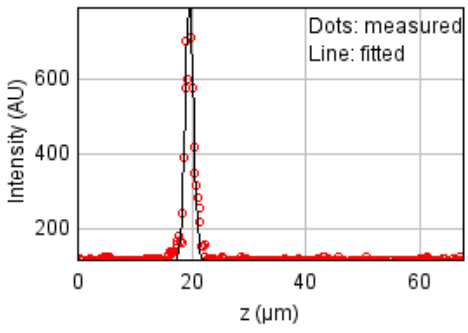




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 871.157 (brightness)
B = 122.652 (background)
a = 0.595 px
b = -0.095 px
c = 0.617 px
xc = 6.424 px
yc = 6.140 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 97772.6565
Standard deviation: 17.84594
R^2: 0.96461
Parameters:
a = 114.54532
b = 796.76440
c = 19.66498
d = 0.73923