Bead 3001

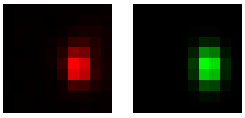
Date : Mon Oct 17 13:30:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

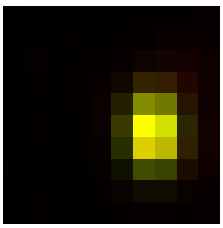
Coordinates : 78.0 um (x), -33.1 um (y), 62.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	419 nm	223 nm
max	574 nm	594 nm	223 nm
z	1.35 um	1.35 um	885 nm
Asymmetry	0.706		
Theta	-89.1°		

XY profile & fitting parameters :

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

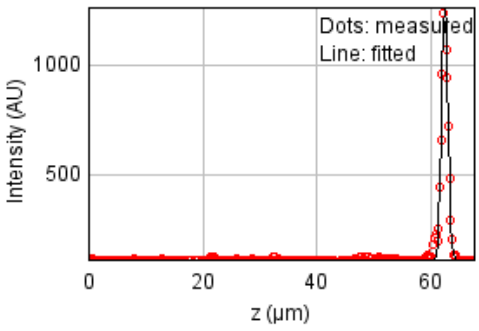




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

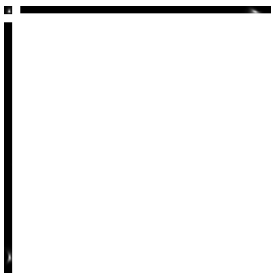
Parameters:
A = 1389.402 (brightness)
B = 125.635 (background)
a = 0.815 px
b = -0.007 px
c = 0.407 px
xc = 6.420 px
yc = 5.250 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66523.2414
Standard deviation: 14.72033
R^2: 0.98880
Parameters:
a = 114.97065
b = 1260.25134
c = 62.47869
d = 0.57269

Bead 3002



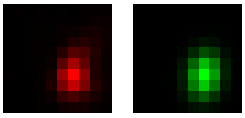
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

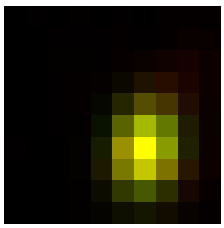
Coordinates : 11.2 um (x), -34.1 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	499 nm	516 nm	223 nm
max	692 nm	715 nm	223 nm
z	1.28 um	1.28 um	885 nm
Asymmetry	0.722		
Theta	82.6°		

XY profile & fitting parameters :

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

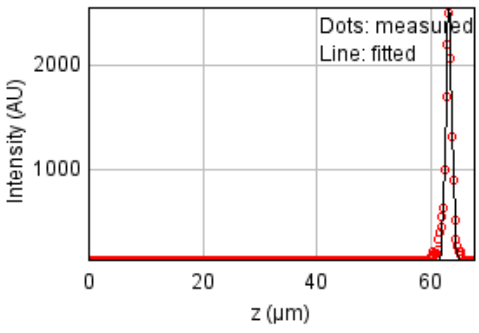




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

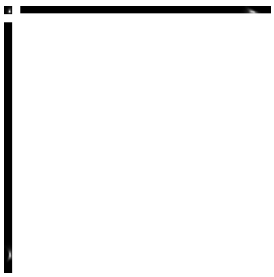
Parameters:
A = 2267.055 (brightness)
B = 144.241 (background)
a = 0.534 px
b = 0.033 px
c = 0.285 px
xc = 6.026 px
yc = 6.055 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 338149.549
Standard deviation: 33.18832
R^2: 0.98697
Parameters:
a = 119.42372
b = 2573.43280
c = 63.20692
d = 0.54325

Bead 3003



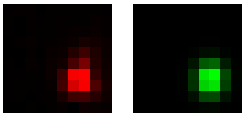
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

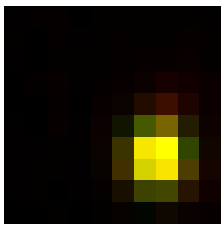
Coordinates : 81.3 um (x), -34.6 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	452 nm	223 nm
max	506 nm	523 nm	223 nm
z	1.65 um	1.66 um	885 nm
Asymmetry	0.864		
Theta	87.4°		

XY profile & fitting parameters :

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

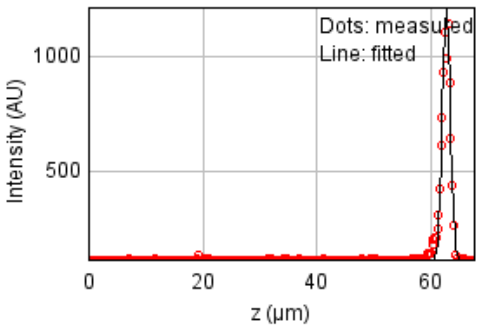




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

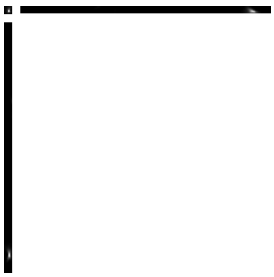
Parameters:
A = 1339.683 (brightness)
B = 122.269 (background)
a = 0.703 px
b = 0.008 px
c = 0.525 px
xc = 6.568 px
yc = 6.396 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 168054.858
Standard deviation: 23.39679
R^2: 0.97533
Parameters:
a = 112.91331
b = 1217.33904
c = 62.75992
d = 0.70176

Bead 3004



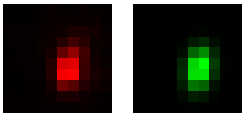
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

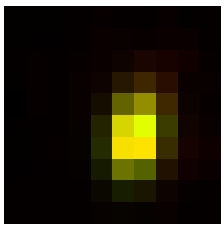
Coordinates : 81.1 um (x), -37.5 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	628 nm	649 nm	223 nm
z	1.37 um	1.38 um	885 nm
Asymmetry	0.64		
Theta	80.2°		

XY profile & fitting parameters :

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

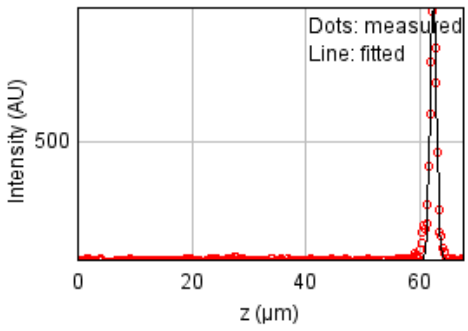




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 1262.046 (brightness)
B = 127.102 (background)
a = 0.816 px
b = 0.082 px
c = 0.355 px
xc = 5.568 px
yc = 5.432 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 54378.8629
Standard deviation: 13.30901
R^2: 0.98298
Parameters:
a = 114.72341
b = 946.21161
c = 62.40024
d = 0.58163

Bead 3005

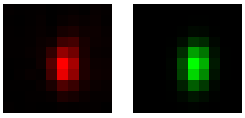
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

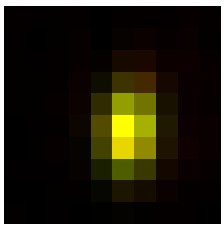
Coordinates : 81.2 um (x), -48.0 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	410 nm	424 nm	223 nm
max	642 nm	664 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.638		
Theta	86.2°		

XY profile & fitting parameters :

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

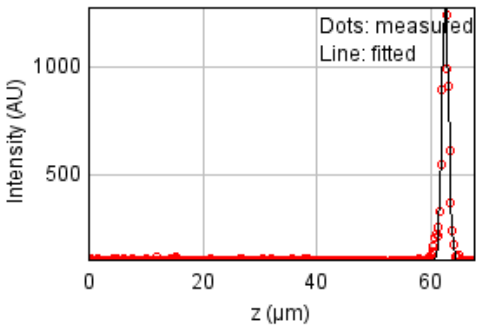




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

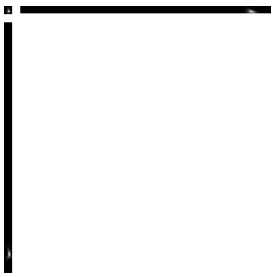
Parameters:
A = 1258.831 (brightness)
B = 130.320 (background)
a = 0.797 px
b = 0.032 px
c = 0.327 px
xc = 5.258 px
yc = 5.201 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 181844.609
Standard deviation: 24.33778
R^2: 0.97246
Parameters:
a = 112.81975
b = 1284.97104
c = 62.58328
d = 0.59883

Bead 3006



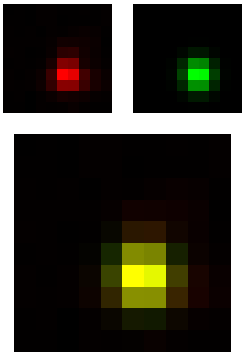
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -71.4 um (x), -61.4 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	443 nm	458 nm	223 nm
max	477 nm	493 nm	223 nm
z	1.42 um	1.42 um	885 nm
Asymmetry	0.93		
Theta	-83.4°		

XY profile & fitting parameters :

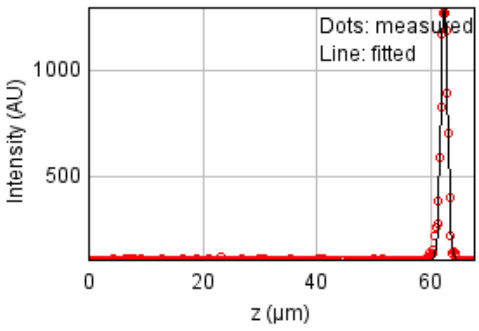
(red : the orignal data, green : the fit, yellow : the two merged)



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

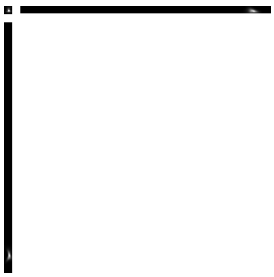
Parameters:
A = 1264.462 (brightness)
B = 122.474 (background)
a = 0.681 px
b = -0.011 px
c = 0.591 px
xc = 5.477 px
yc = 6.024 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50040.1692
Standard deviation: 12.76704
R^2: 0.99251
Parameters:
a = 114.98346
b = 1303.28126
c = 62.38670
d = 0.60211

Bead 3007



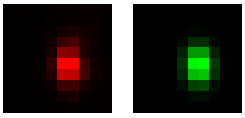
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

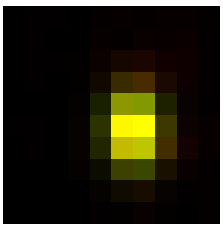
Coordinates : -16.8 um (x), -73.5 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	430 nm	223 nm
max	591 nm	611 nm	223 nm
z	1.08 um	1.08 um	885 nm
Asymmetry	0.704		
Theta	-88.3°		

XY profile & fitting parameters :

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

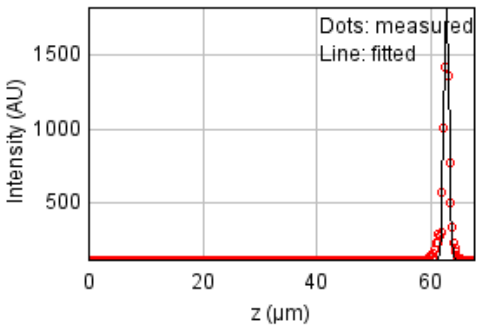




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

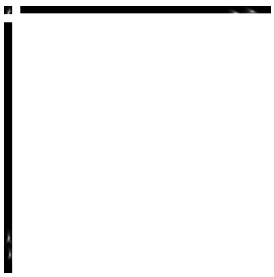
Parameters:
A = 2028.286 (brightness)
B = 135.332 (background)
a = 0.776 px
b = -0.012 px
c = 0.385 px
xc = 5.524 px
yc = 5.152 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 142618.955
Standard deviation: 21.55358
R^2: 0.98684
Parameters:
a = 116.96118
b = 1841.97315
c = 62.78144
d = 0.45710

Bead 3008



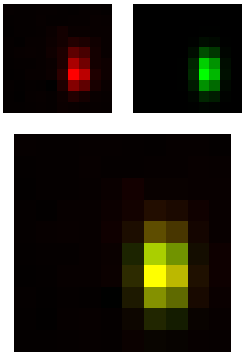
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -140 um (x), 92.4 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	357 nm	369 nm	223 nm
max	587 nm	607 nm	223 nm
z	1.22 um	1.22 um	885 nm
Asymmetry	0.609		
Theta	-89.4°		

XY profile & fitting parameters :

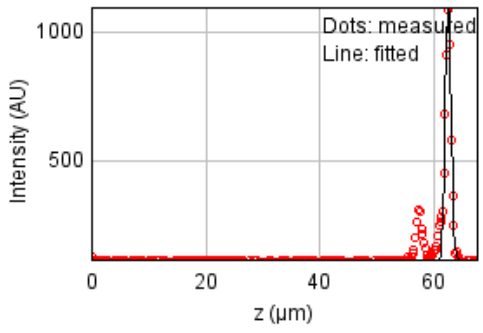
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1035.397 (brightness)
B = 120.262 (background)
a = 1.051 px
b = -0.006 px
c = 0.390 px
xc = 6.343 px
yc = 5.780 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 284458.455
Standard deviation: 30.43969
R^2: 0.93291
Parameters:
a = 119.00374
b = 1107.78330
c = 62.55886
d = 0.51615

Bead 3009

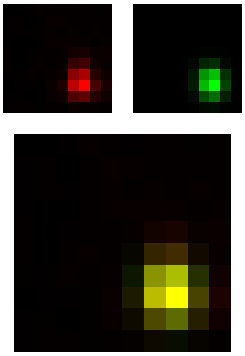
Date : Mon Oct 17 13:30:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -99.1 um (x), 87.0 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	482 nm	498 nm	223 nm
z	1.11 um	1.11 um	885 nm
Asymmetry	0.834		
Theta	-83.6°		

XY profile & fitting parameters :

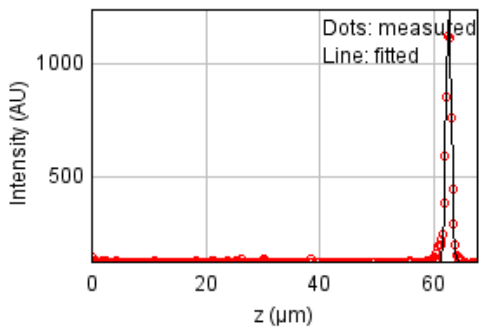
(red : the orignal data, green : the fit, yellow : the two merged)



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

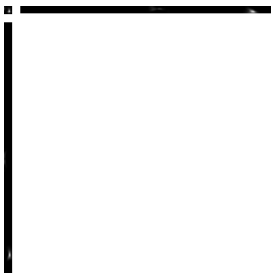
Parameters:
A = 1269.353 (brightness)
B = 121.524 (background)
a = 0.827 px
b = -0.028 px
c = 0.581 px
xc = 6.680 px
yc = 6.737 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 54209.7763
Standard deviation: 13.28831
R^2: 0.98875
Parameters:
a = 114.97157
b = 1248.75299
c = 62.65962
d = 0.47157

Bead 3010



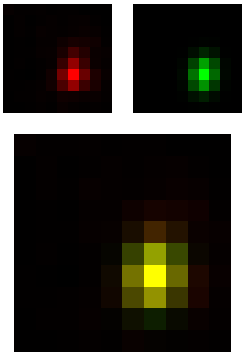
Date : Mon Oct 17 13:30:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -112 um (x), 82.7 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	408 nm	223 nm
max	516 nm	533 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.765		
Theta	82.0°		

XY profile & fitting parameters :

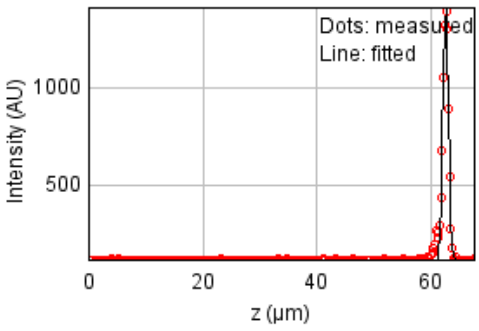
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1240.728 (brightness)
B = 125.763 (background)
a = 0.856 px
b = 0.049 px
c = 0.511 px
xc = 5.974 px
yc = 5.956 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 89716.9015
Standard deviation: 17.09495
R^2: 0.98660
Parameters:
a = 114.60453
b = 1423.30683
c = 62.64906
d = 0.49150

Bead 3011

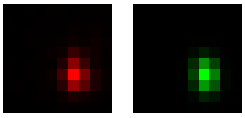
Date : Mon Oct 17 13:30:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

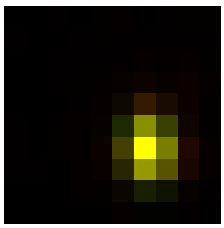
Coordinates : -77.2 um (x), 74.8 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	359 nm	371 nm	223 nm
max	499 nm	516 nm	223 nm
z	1.18 um	1.18 um	885 nm
Asymmetry	0.72		
Theta	-84.4°		

XY profile & fitting parameters :

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

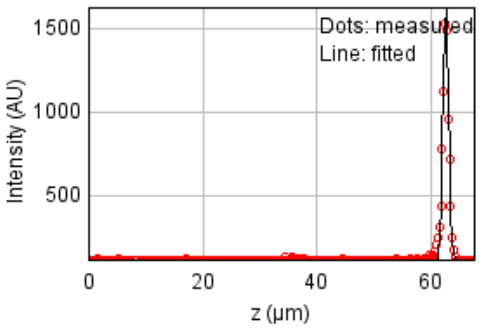




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1561.753 (brightness)
B = 128.415 (background)
a = 1.035 px
b = -0.048 px
c = 0.544 px
xc = 6.162 px
yc = 6.043 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 86762.9800
Standard deviation: 16.81117
R^2: 0.99044
Parameters:
a = 116.01562
b = 1628.54246
c = 62.67214
d = 0.50067

Bead 3012

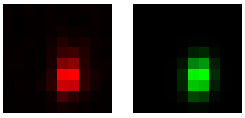
Date : Mon Oct 17 13:30:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

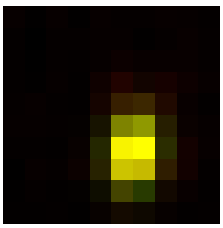
Coordinates : -131 um (x), 73.4 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	570 nm	589 nm	223 nm
z	1.08 um	1.08 um	885 nm
Asymmetry	0.676		
Theta	84.0°		

XY profile & fitting parameters :

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

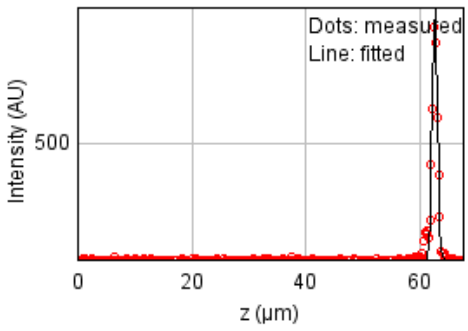




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1059.231 (brightness)
B = 122.488 (background)
a = 0.899 px
b = 0.051 px
c = 0.419 px
xc = 5.518 px
yc = 6.175 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47524.4612
Standard deviation: 12.44198
R^2: 0.98141
Parameters:
a = 112.77693
b = 946.88196
c = 62.68124
d = 0.45864

Bead 3013

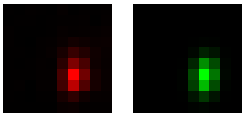
Date : Mon Oct 17 13:30:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

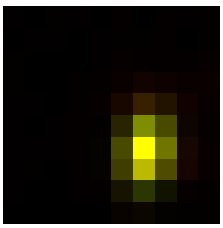
Coordinates : -84.7 um (x), 70.8 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	363 nm	376 nm	223 nm
max	548 nm	566 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.663		
Theta	83.7°		

XY profile & fitting parameters :

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

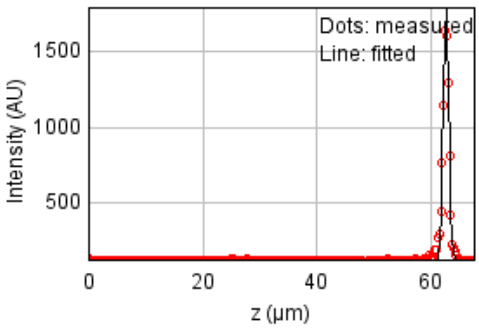




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1691.513 (brightness)
B = 127.313 (background)
a = 1.009 px
b = 0.063 px
c = 0.454 px
xc = 6.106 px
yc = 6.132 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 84498.2759
Standard deviation: 16.59032
R^2: 0.99230
Parameters:
a = 115.70959
b = 1795.56384
c = 62.70987
d = 0.49182

Bead 3014

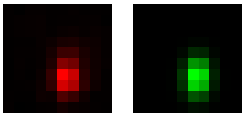
Date : Mon Oct 17 13:30:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

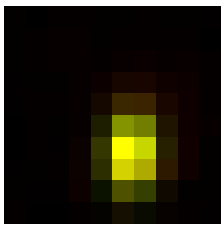
Coordinates : -132 um (x), 69.7 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	408 nm	223 nm
max	597 nm	617 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.662		
Theta	88.2°		

XY profile & fitting parameters :

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

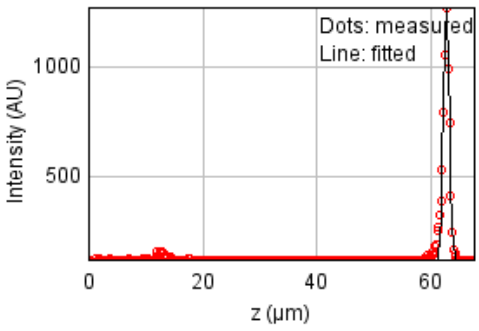




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1292.208 (brightness)
B = 126.995 (background)
a = 0.860 px
b = 0.015 px
c = 0.377 px
xc = 5.393 px
yc = 6.221 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 107031.915
Standard deviation: 18.67185
R^2: 0.98104
Parameters:
a = 115.22500
b = 1276.63395
c = 62.76935
d = 0.52405

Bead 3015

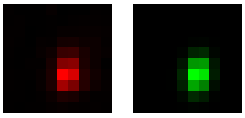
Date : Mon Oct 17 13:30:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

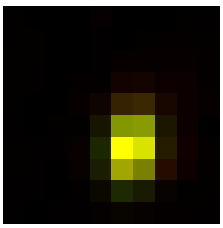
Coordinates : -60.8 um (x), 64.7 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	365 nm	377 nm	223 nm
max	533 nm	551 nm	223 nm
z	1.29 um	1.29 um	885 nm
Asymmetry	0.684		
Theta	82.3°		

XY profile & fitting parameters :

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

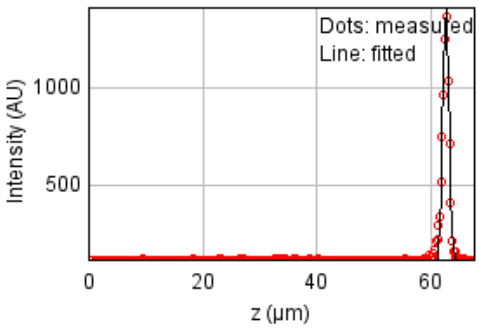




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1557.444 (brightness)
B = 127.546 (background)
a = 0.998 px
b = 0.071 px
c = 0.481 px
xc = 5.443 px
yc = 5.984 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 83123.8401
Standard deviation: 16.45484
R^2: 0.98860
Parameters:
a = 114.25147
b = 1412.42367
c = 62.69255
d = 0.54672

Bead 3016

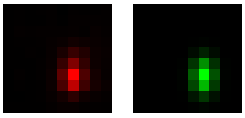
Date : Mon Oct 17 13:30:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

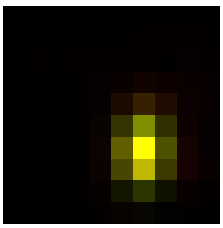
Coordinates : -101 um (x), 58.9 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	354 nm	366 nm	223 nm
max	542 nm	560 nm	223 nm
z	1.09 um	1.1 um	885 nm
Asymmetry	0.654		
Theta	88.5°		

XY profile & fitting parameters :

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

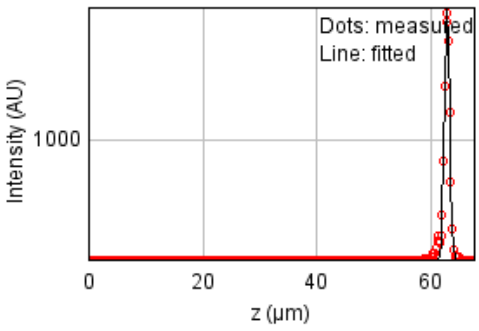




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

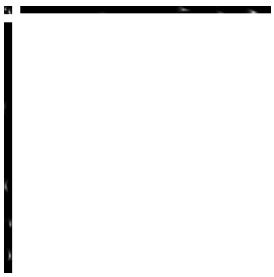
Parameters:
A = 1801.670 (brightness)
B = 133.094 (background)
a = 1.069 px
b = 0.016 px
c = 0.457 px
xc = 5.963 px
yc = 6.139 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 99203.0956
Standard deviation: 17.97602
R^2: 0.99226
Parameters:
a = 115.13709
b = 1983.10598
c = 62.87984
d = 0.46378

Bead 3017 (Rejected)



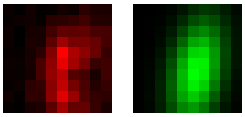
Date : Mon Oct 17 13:30:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

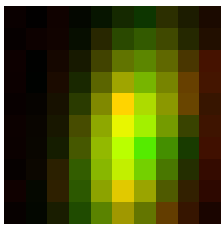
Coordinates : -91.9 um (x), 59.0 um (y), 61.5 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	800 nm	827 nm	223 nm
max	1.68 um	1.74 um	223 nm
z	1.49 um	1.5 um	885 nm
Asymmetry	0.477		
Theta	79.5°		

XY profile & fitting parameters :

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

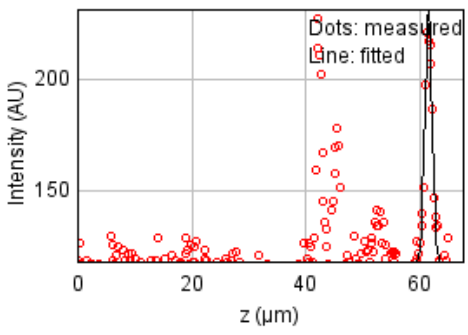




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.867

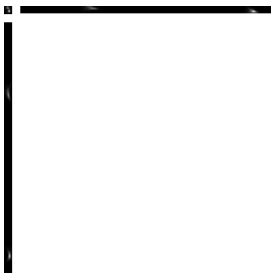
Parameters:
A = 227.491 (brightness)
B = 124.125 (background)
a = 0.204 px
b = 0.029 px
c = 0.053 px
xc = 5.341 px
yc = 5.677 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 76075.3239
Standard deviation: 15.74174
R^2: 0.45853
Parameters:
a = 117.79404
b = 232.08976
c = 61.54692
d = 0.63308

Bead 3018



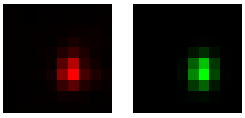
Date : Mon Oct 17 13:30:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

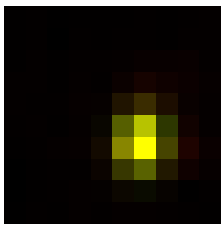
Coordinates : -66.7 um (x), 58.8 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	367 nm	380 nm	223 nm
max	469 nm	485 nm	223 nm
z	1.09 um	1.09 um	885 nm
Asymmetry	0.783		
Theta	84.6°		

XY profile & fitting parameters :

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

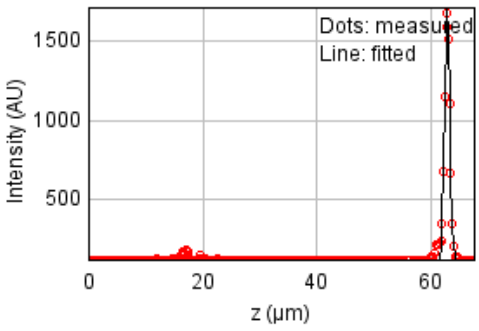




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1617.943 (brightness)
B = 130.331 (background)
a = 0.991 px
b = 0.036 px
c = 0.614 px
xc = 5.838 px
yc = 5.731 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 85540.7898
Standard deviation: 16.69235
R^2: 0.99085
Parameters:
a = 117.35892
b = 1715.13608
c = 62.90934
d = 0.46150

Bead 3019

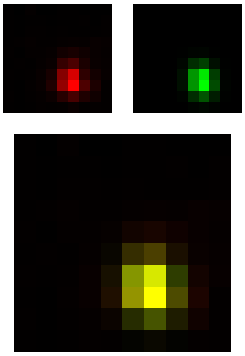
Date : Mon Oct 17 13:30:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -155 um (x), 56.4 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	476 nm	492 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.812		
Theta	-79.5°		

XY profile & fitting parameters :

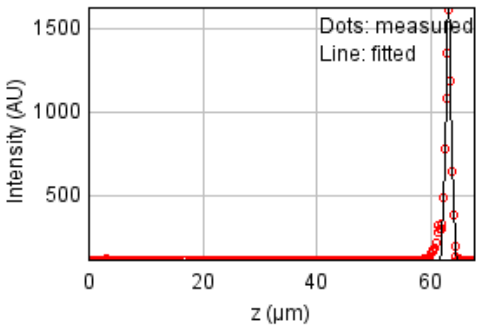
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1649.768 (brightness)
B = 127.312 (background)
a = 0.888 px
b = -0.055 px
c = 0.602 px
xc = 5.781 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: 253792.330
Standard deviation: 28.75213
R^2: 0.97250
Parameters:
a = 114.44251
b = 1621.44596
c = 63.14303
d = 0.50387

Bead 3020

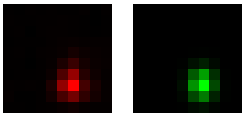
Date : Mon Oct 17 13:30:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

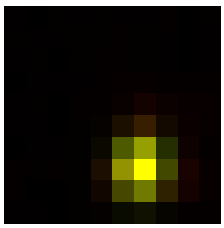
Coordinates : -127 um (x), 54.4 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	383 nm	396 nm	223 nm
max	471 nm	487 nm	223 nm
z	1.17 um	1.17 um	885 nm
Asymmetry	0.813		
Theta	87.7°		

XY profile & fitting parameters :

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

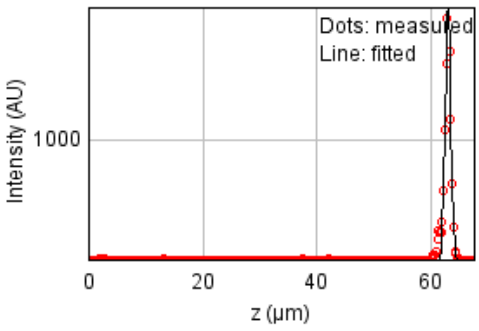




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1933.727 (brightness)
B = 132.209 (background)
a = 0.914 px
b = 0.012 px
c = 0.605 px
xc = 5.807 px
yc = 6.890 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 163775.837
Standard deviation: 23.09701
R^2: 0.98824
Parameters:
a = 114.67891
b = 1996.06719
c = 63.04563
d = 0.49556

Bead 3021

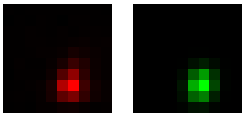
Date : Mon Oct 17 13:30:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

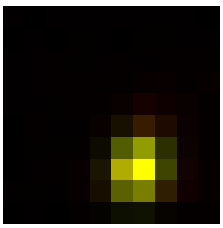
Coordinates : -55.7 um (x), 52.6 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	406 nm	223 nm
max	478 nm	494 nm	223 nm
z	1.12 um	1.12 um	885 nm
Asymmetry	0.823		
Theta	76.2°		

XY profile & fitting parameters :

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

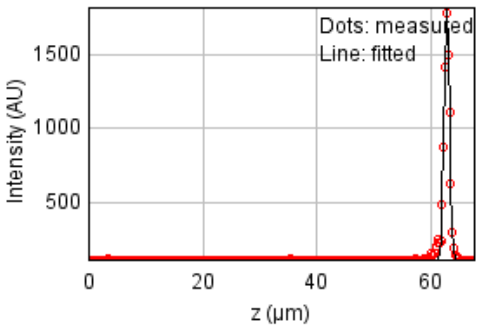




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1715.770 (brightness)
B = 127.633 (background)
a = 0.852 px
b = 0.065 px
c = 0.604 px
xc = 5.735 px
yc = 6.939 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 76143.8632
Standard deviation: 15.74883
R^2: 0.99311
Parameters:
a = 114.73673
b = 1830.57072
c = 62.84679
d = 0.47448

Bead 3022

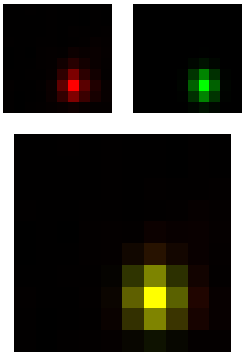
Date : Mon Oct 17 13:30:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -75.7 um (x), 47.3 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	372 nm	384 nm	223 nm
max	450 nm	465 nm	223 nm
z	1.52 um	1.52 um	885 nm
Asymmetry	0.826		
Theta	-86.3°		

XY profile & fitting parameters :

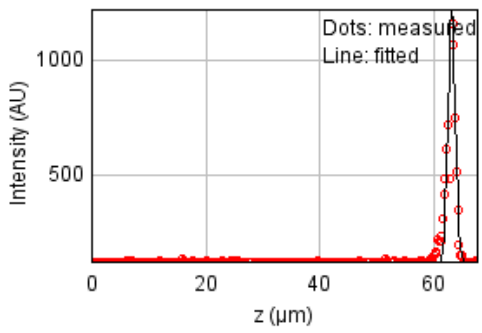
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 2493.549 (brightness)
B = 134.991 (background)
a = 0.971 px
b = -0.020 px
c = 0.664 px
xc = 6.003 px
yc = 7.001 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 438363.683
Standard deviation: 37.78749
R^2: 0.93384
Parameters:
a = 114.89103
b = 1225.19026
c = 63.16131
d = 0.64468

Bead 3023

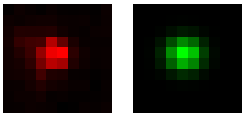
Date : Mon Oct 17 13:30:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

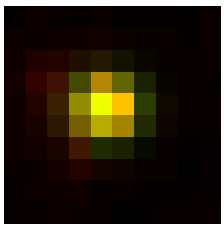
Coordinates : -121 um (x), 45.7 um (y), 20.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	510 nm	527 nm	223 nm
max	556 nm	575 nm	223 nm
z	1.77 um	1.78 um	885 nm
Asymmetry	0.916		
Theta	-1.2°		

XY profile & fitting parameters :

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

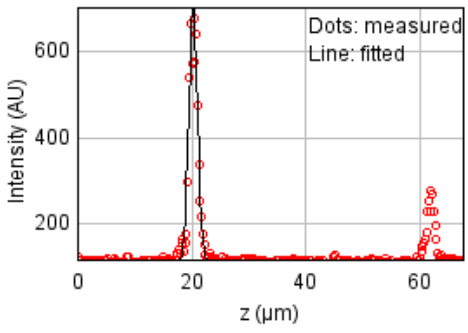




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.929

Parameters:
A = 533.419 (brightness)
B = 121.459 (background)
a = 0.433 px
b = -0.002 px
c = 0.516 px
xc = 4.181 px
yc = 4.120 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 260512.270
Standard deviation: 29.13030
R^2: 0.88499
Parameters:
a = 117.65431
b = 704.00751
c = 20.33167
d = 0.75343

Bead 3024

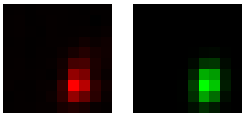
Date : Mon Oct 17 13:30:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

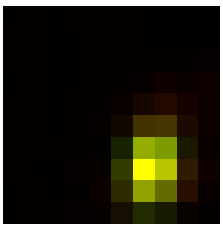
Coordinates : -26.3 um (x), 42.7 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	406 nm	223 nm
max	573 nm	592 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.686		
Theta	80.4°		

XY profile & fitting parameters :

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

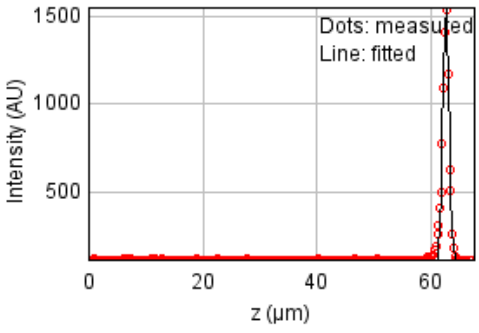




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 1450.570 (brightness)
B = 127.865 (background)
a = 0.858 px
b = 0.076 px
c = 0.422 px
xc = 6.361 px
yc = 6.896 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 119828.736
Standard deviation: 19.75656
R^2: 0.98646
Parameters:
a = 115.09770
b = 1546.38162
c = 62.69170
d = 0.54434

Bead 3025

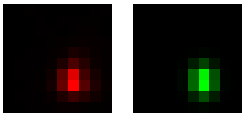
Date : Mon Oct 17 13:30:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

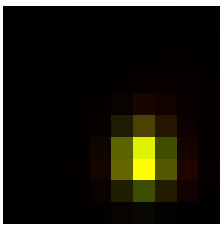
Coordinates : -59.9 um (x), 38.6 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	365 nm	377 nm	223 nm
max	462 nm	478 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.79		
Theta	-87.4°		

XY profile & fitting parameters :

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

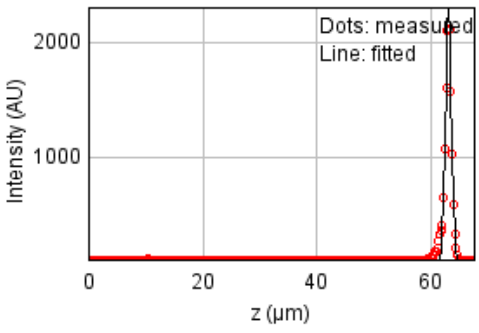




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 2444.907 (brightness)
B = 136.299 (background)
a = 1.007 px
b = -0.017 px
c = 0.629 px
xc = 5.948 px
yc = 6.543 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 167894.474
Standard deviation: 23.38563
R^2: 0.99150
Parameters:
a = 116.14784
b = 2301.17293
c = 63.12876
d = 0.52360

Bead 3026

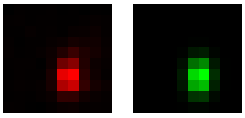
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

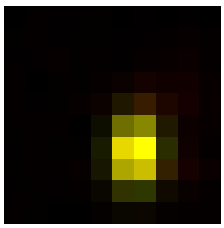
Coordinates : -23.4 um (x), 38.0 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	375 nm	387 nm	223 nm
max	536 nm	554 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.699		
Theta	88.0°		

XY profile & fitting parameters :

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

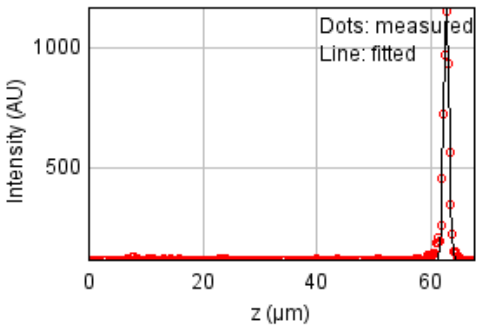




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

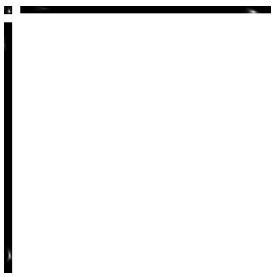
Parameters:
A = 1266.664 (brightness)
B = 126.031 (background)
a = 0.956 px
b = 0.017 px
c = 0.468 px
xc = 5.582 px
yc = 6.192 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 43073.7014
Standard deviation: 11.84505
R^2: 0.99004
Parameters:
a = 114.59106
b = 1179.97687
c = 62.76770
d = 0.48036

Bead 3027



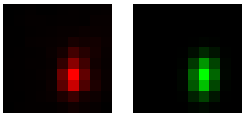
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

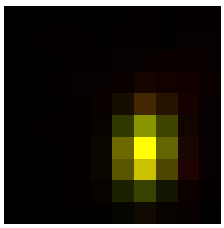
Coordinates : -24.2 um (x), 31.6 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	395 nm	223 nm
max	579 nm	599 nm	223 nm
z	1.16 um	1.17 um	885 nm
Asymmetry	0.66		
Theta	84.3°		

XY profile & fitting parameters :

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

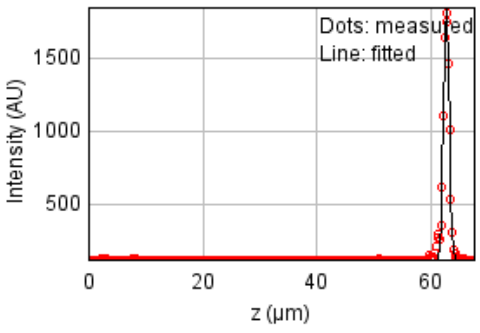




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

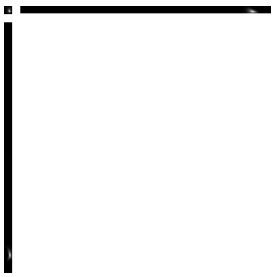
Parameters:
A = 1681.532 (brightness)
B = 130.706 (background)
a = 0.915 px
b = 0.052 px
c = 0.405 px
xc = 5.989 px
yc = 6.156 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 99142.9763
Standard deviation: 17.97057
R^2: 0.99166
Parameters:
a = 116.09316
b = 1861.21440
c = 62.77677
d = 0.49289

Bead 3028



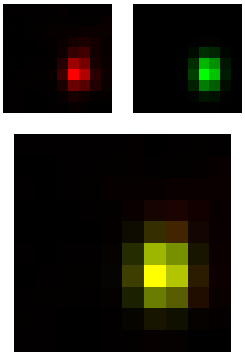
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 8.0 um (x), 28.4 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	415 nm	223 nm
max	506 nm	523 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.793		
Theta	87.6°		

XY profile & fitting parameters :

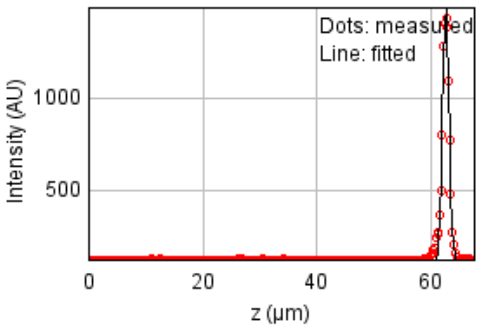
(red : the orignal data, green : the fit, yellow : the two merged)



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

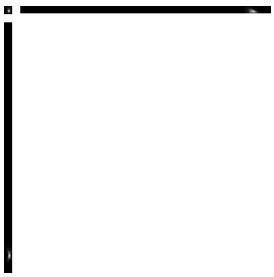
Parameters:
A = 1363.022 (brightness)
B = 124.637 (background)
a = 0.832 px
b = 0.013 px
c = 0.524 px
xc = 6.343 px
yc = 5.811 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 73378.8975
Standard deviation: 15.46025
R^2: 0.99145
Parameters:
a = 114.77858
b = 1498.47102
c = 62.66439
d = 0.56872

Bead 3029



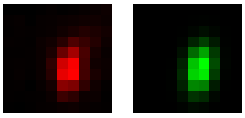
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

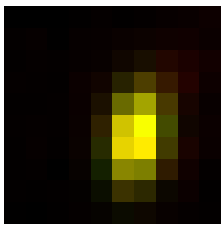
Coordinates : -7.78 um (x), 23.9 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	435 nm	223 nm
max	729 nm	754 nm	223 nm
z	1.46 um	1.47 um	885 nm
Asymmetry	0.577		
Theta	80.6°		

XY profile & fitting parameters :

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

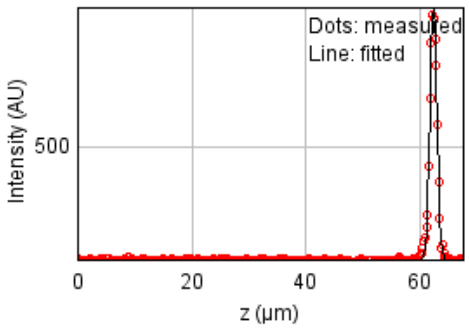




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1172.823 (brightness)
B = 131.840 (background)
a = 0.746 px
b = 0.081 px
c = 0.266 px
xc = 5.631 px
yc = 5.450 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25968.0780
Standard deviation: 9.19710
R^2: 0.99286
Parameters:
a = 114.71515
b = 978.15478
c = 62.42865
d = 0.62094

Bead 3030

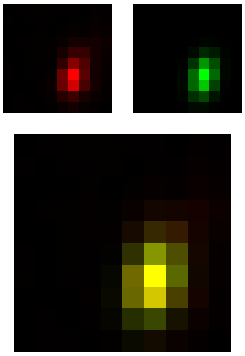
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -26.0 um (x), 14.7 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	395 nm	223 nm
max	605 nm	626 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.631		
Theta	77.5°		

XY profile & fitting parameters :

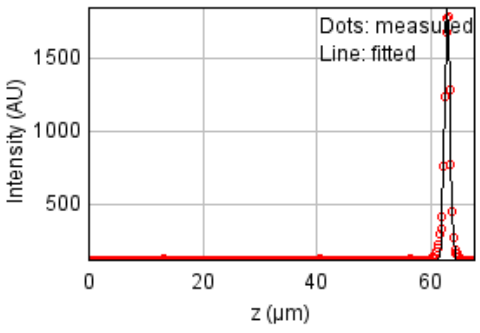
(red : the orignal data, green : the fit, yellow : the two merged)



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

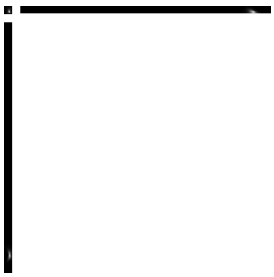
Parameters:
A = 1655.654 (brightness)
B = 132.180 (background)
a = 0.894 px
b = 0.117 px
c = 0.392 px
xc = 5.974 px
yc = 6.188 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 90232.3347
Standard deviation: 17.14399
R^2: 0.99230
Parameters:
a = 115.36204
b = 1853.79812
c = 62.93091
d = 0.49030

Bead 3031



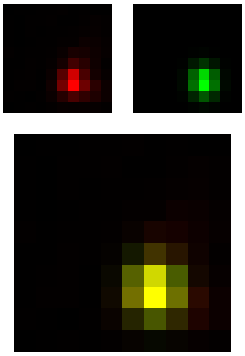
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 23.1 um (x), 11.3 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	461 nm	476 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.874		
Theta	-85.9°		

XY profile & fitting parameters :

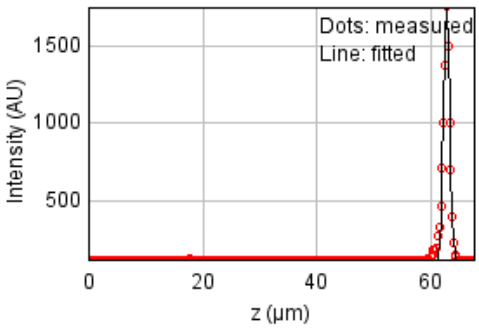
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1826.078 (brightness)
B = 129.124 (background)
a = 0.828 px
b = -0.014 px
c = 0.633 px
xc = 5.997 px
yc = 6.635 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 123397.799
Standard deviation: 20.04862
R^2: 0.98939
Parameters:
a = 115.21901
b = 1776.76067
c = 62.81393
d = 0.53217

Bead 3032

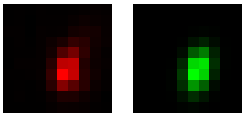
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

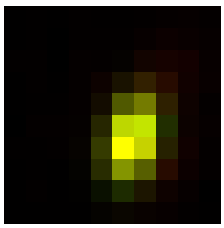
Coordinates : 30.7 um (x), 11.3 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	407 nm	223 nm
max	645 nm	666 nm	223 nm
z	1.28 um	1.28 um	885 nm
Asymmetry	0.61		
Theta	75.9°		

XY profile & fitting parameters :

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

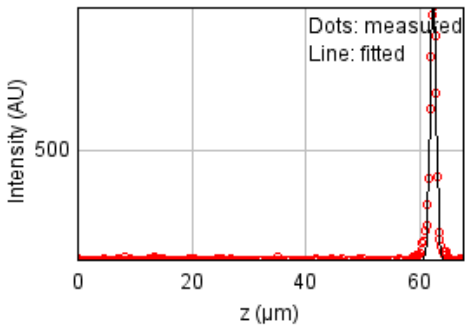




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

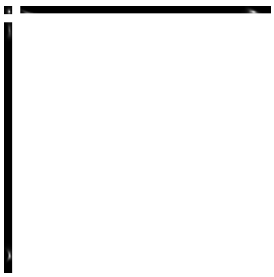
Parameters:
A = 1307.116 (brightness)
B = 131.094 (background)
a = 0.835 px
b = 0.129 px
c = 0.355 px
xc = 5.447 px
yc = 5.580 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47992.3258
Standard deviation: 12.50307
R^2: 0.98614
Parameters:
a = 114.61683
b = 1011.26799
c = 62.37819
d = 0.54237

Bead 3033



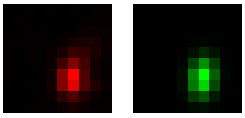
Date : Mon Oct 17 13:30:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

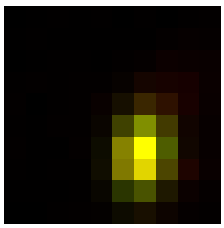
Coordinates : 14.1 um (x), 9.4 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	410 nm	223 nm
max	599 nm	620 nm	223 nm
z	1.13 um	1.13 um	885 nm
Asymmetry	0.662		
Theta	83.1°		

XY profile & fitting parameters :

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

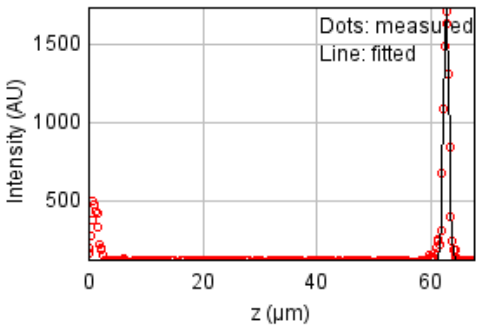




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

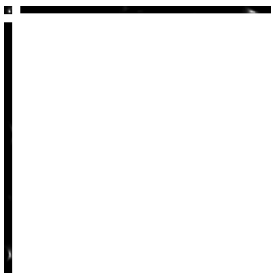
Parameters:
A = 1633.823 (brightness)
B = 133.202 (background)
a = 0.846 px
b = 0.057 px
c = 0.380 px
xc = 5.883 px
yc = 6.279 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 743562.386
Standard deviation: 49.21410
R^2: 0.93000
Parameters:
a = 124.96844
b = 1747.33526
c = 62.74825
d = 0.47784

Bead 3034



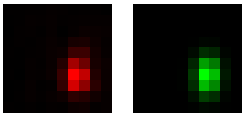
Date : Mon Oct 17 13:30:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

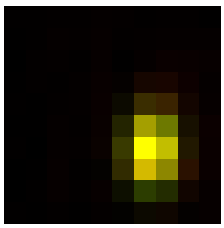
Coordinates : 81.3 um (x), -24.4 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	582 nm	601 nm	223 nm
z	1.42 um	1.43 um	885 nm
Asymmetry	0.669		
Theta	88.8°		

XY profile & fitting parameters :

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

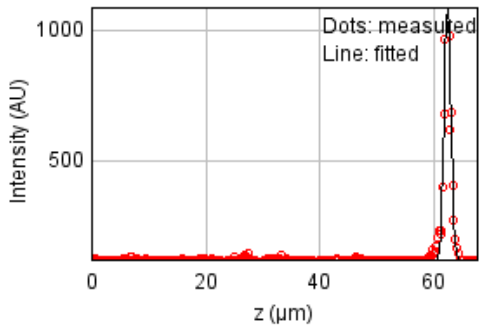




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1183.169 (brightness)
B = 123.944 (background)
a = 0.887 px
b = 0.010 px
c = 0.397 px
xc = 6.331 px
yc = 6.090 px

Z profile & fitting parameters:



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

Bead 3035

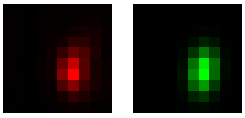
Date : Mon Oct 17 13:30:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

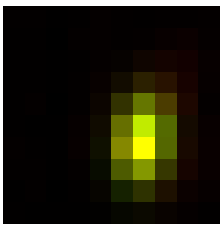
Coordinates : 75.9 um (x), -41.5 um (y), 62.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	430 nm	223 nm
max	674 nm	697 nm	223 nm
z	1.14 um	1.15 um	885 nm
Asymmetry	0.616		
Theta	83.0°		

XY profile & fitting parameters :

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

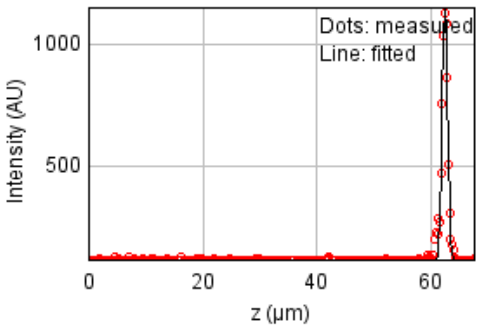




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1258.742 (brightness)
B = 128.382 (background)
a = 0.770 px
b = 0.058 px
c = 0.302 px
xc = 5.936 px
yc = 5.654 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66631.6418
Standard deviation: 14.73232
R^2: 0.98411
Parameters:
a = 114.31034
b = 1154.71494
c = 62.50398
d = 0.48560

Bead 3036

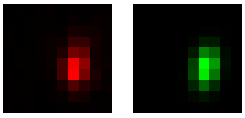
Date : Mon Oct 17 13:30:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

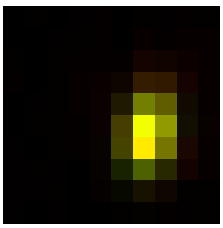
Coordinates : 77.5 um (x), -56.2 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	370 nm	383 nm	223 nm
max	594 nm	614 nm	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.623		
Theta	80.6°		

XY profile & fitting parameters :

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

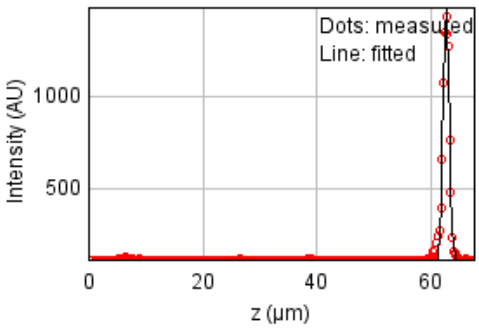




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

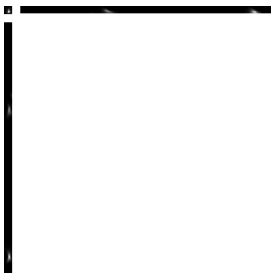
Parameters:
A = 1500.944 (brightness)
B = 128.943 (background)
a = 0.964 px
b = 0.097 px
c = 0.396 px
xc = 6.206 px
yc = 5.338 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 85218.4696
Standard deviation: 16.66087
R^2: 0.98914
Parameters:
a = 115.01798
b = 1476.23341
c = 62.73265
d = 0.53493

Bead 3037



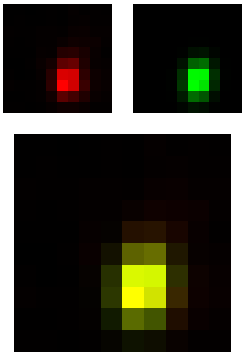
Date : Mon Oct 17 13:30:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 60.2 um (x), -74.5 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	414 nm	223 nm
max	550 nm	569 nm	223 nm
z	1.56 um	1.57 um	885 nm
Asymmetry	0.728		
Theta	81.6°		

XY profile & fitting parameters :

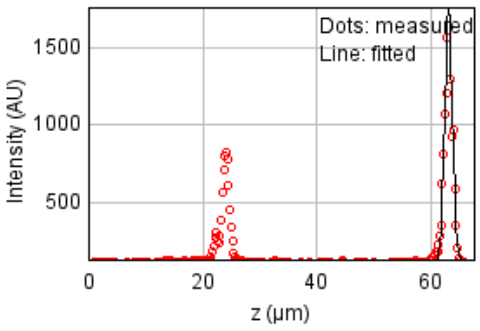
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 2198.196 (brightness)
B = 133.717 (background)
a = 0.827 px
b = 0.056 px
c = 0.451 px
xc = 5.464 px
yc = 6.473 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2885746.35
Standard deviation: 96.95270
R^2: 0.82366
Parameters:
a = 135.64850
b = 1752.15447
c = 63.15310
d = 0.66328

Bead 3038

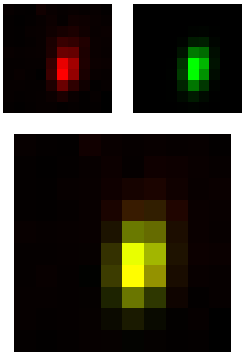
Date : Mon Oct 17 13:30:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -75.4 um (x), 91.2 um (y), 62.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	364 nm	376 nm	223 nm
max	611 nm	632 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.595		
Theta	80.3°		

XY profile & fitting parameters :

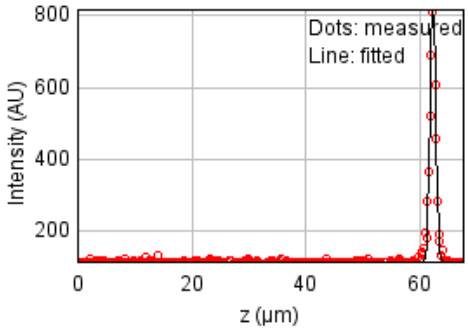
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 841.708 (brightness)
B = 123.372 (background)
a = 0.996 px
b = 0.109 px
c = 0.378 px
xc = 5.286 px
yc = 5.407 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31718.0539
Standard deviation: 10.16445
R^2: 0.98436
Parameters:
a = 113.74947
b = 821.22143
c = 62.32121
d = 0.50853

Bead 3039

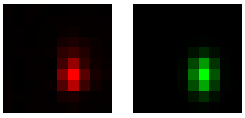
Date : Mon Oct 17 13:30:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

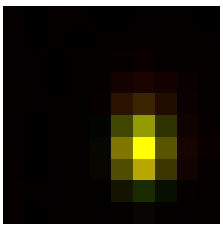
Coordinates : -130 um (x), 75.7 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	375 nm	388 nm	223 nm
max	540 nm	558 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.695		
Theta	89.2°		

XY profile & fitting parameters :

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

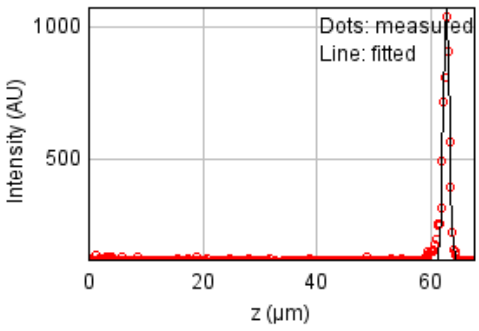




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

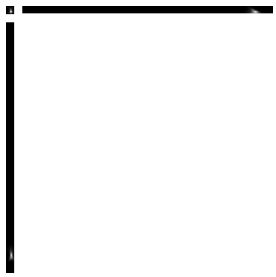
Parameters:
A = 1061.252 (brightness)
B = 124.044 (background)
a = 0.952 px
b = 0.007 px
c = 0.460 px
xc = 5.912 px
yc = 6.041 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 98782.7517
Standard deviation: 17.93789
R^2: 0.97482
Parameters:
a = 113.90432
b = 1078.88746
c = 62.76557
d = 0.52420

Bead 3040



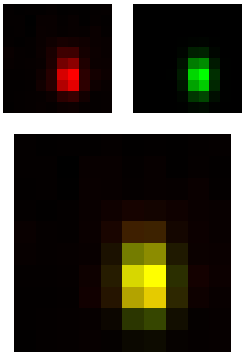
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -148 um (x), 71.9 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	379 nm	392 nm	223 nm
max	569 nm	588 nm	223 nm
z	1.44 um	1.44 um	885 nm
Asymmetry	0.667		
Theta	-87.4°		

XY profile & fitting parameters :

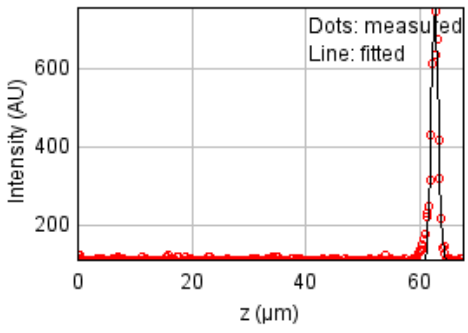
(red : the orignal data, green : the fit, yellow : the two merged)



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

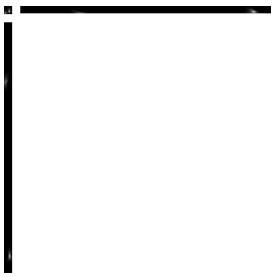
Parameters:
A = 914.348 (brightness)
B = 119.187 (background)
a = 0.932 px
b = -0.023 px
c = 0.416 px
xc = 5.597 px
yc = 6.200 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 54371.3430
Standard deviation: 13.30809
R^2: 0.97332
Parameters:
a = 110.99921
b = 756.54507
c = 62.67528
d = 0.61021

Bead 3041



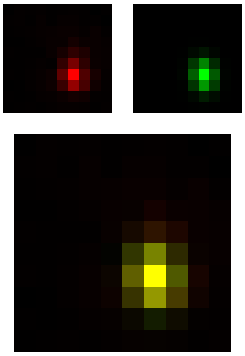
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -140 um (x), 66.4 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	361 nm	373 nm	223 nm
max	477 nm	493 nm	223 nm
z	1.08 um	1.08 um	885 nm
Asymmetry	0.757		
Theta	-83.5°		

XY profile & fitting parameters :

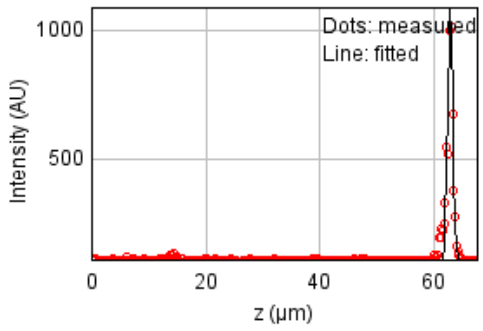
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1003.608 (brightness)
B = 122.251 (background)
a = 1.023 px
b = -0.049 px
c = 0.595 px
xc = 5.988 px
yc = 6.061 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 132499.977
Standard deviation: 20.77489
R^2: 0.96233
Parameters:
a = 114.22268
b = 1085.13944
c = 62.91542
d = 0.45663

Bead 3042

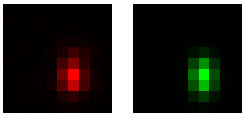
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

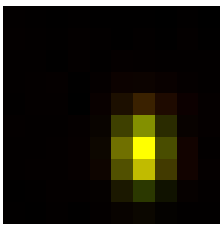
Coordinates : -150 um (x), 62.0 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	364 nm	376 nm	223 nm
max	549 nm	568 nm	223 nm
z	1.13 um	1.13 um	885 nm
Asymmetry	0.663		
Theta	-88.9°		

XY profile & fitting parameters :

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

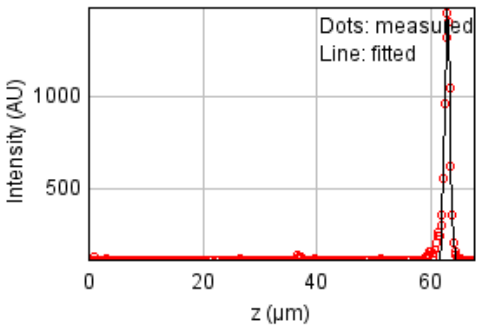




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

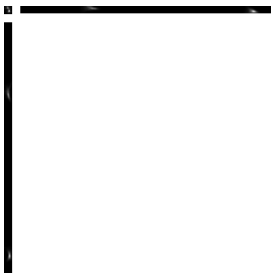
Parameters:
A = 1337.358 (brightness)
B = 126.482 (background)
a = 1.012 px
b = -0.011 px
c = 0.445 px
xc = 5.910 px
yc = 6.145 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 110118.577
Standard deviation: 18.93918
R^2: 0.98454
Parameters:
a = 114.83797
b = 1481.52566
c = 62.93827
d = 0.47804

Bead 3043



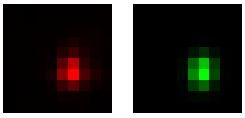
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

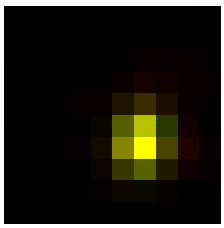
Coordinates : -66.7 um (x), 58.8 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	367 nm	380 nm	223 nm
max	469 nm	485 nm	223 nm
z	1.09 um	1.09 um	885 nm
Asymmetry	0.783		
Theta	84.6°		

XY profile & fitting parameters :

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

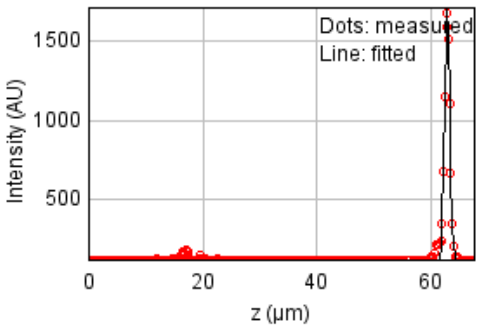




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1617.943 (brightness)
B = 130.331 (background)
a = 0.991 px
b = 0.036 px
c = 0.614 px
xc = 5.838 px
yc = 5.731 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 85540.7898
Standard deviation: 16.69235
R^2: 0.99085
Parameters:
a = 117.35892
b = 1715.13608
c = 62.90934
d = 0.46150

Bead 3044

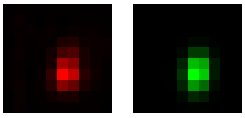
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

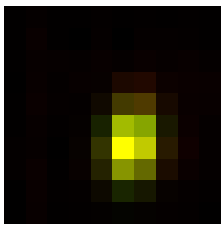
Coordinates : -119 um (x), 58.6 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	395 nm	223 nm
max	564 nm	584 nm	223 nm
z	1.31 um	1.31 um	885 nm
Asymmetry	0.677		
Theta	83.5°		

XY profile & fitting parameters :

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

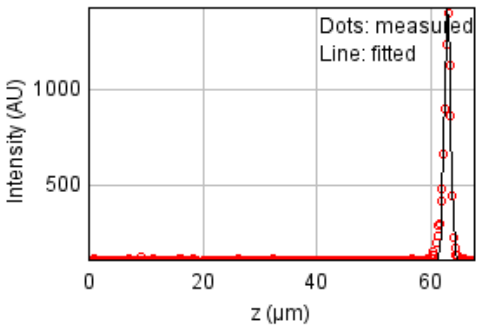




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 1456.389 (brightness)
B = 130.744 (background)
a = 0.912 px
b = 0.056 px
c = 0.428 px
xc = 5.382 px
yc = 5.815 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 148940.446
Standard deviation: 22.02608
R^2: 0.98039
Parameters:
a = 113.14238
b = 1422.67278
c = 62.96087
d = 0.55495

Bead 3045

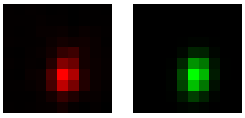
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

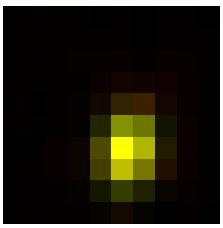
Coordinates : -113 um (x), 58.3 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	569 nm	588 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.72		
Theta	79.7°		

XY profile & fitting parameters :

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

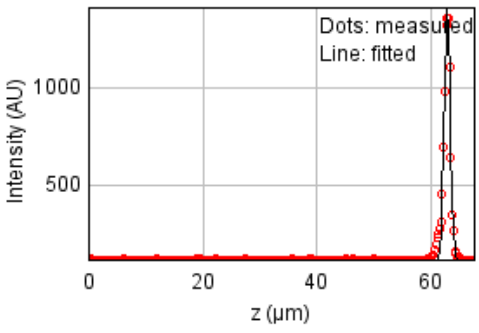




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

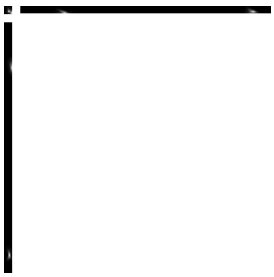
Parameters:
A = 1280.041 (brightness)
B = 123.901 (background)
a = 0.788 px
b = 0.068 px
c = 0.427 px
xc = 5.273 px
yc = 6.115 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 94502.7551
Standard deviation: 17.54499
R^2: 0.98667
Parameters:
a = 114.82531
b = 1411.35598
c = 62.91674
d = 0.53111

Bead 3046



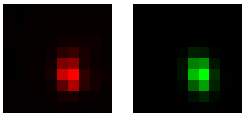
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

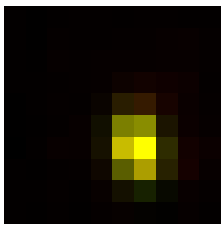
Coordinates : -38.6 um (x), 55.9 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	357 nm	369 nm	223 nm
max	508 nm	526 nm	223 nm
z	1.49 um	1.5 um	885 nm
Asymmetry	0.702		
Theta	-78.7°		

XY profile & fitting parameters :

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

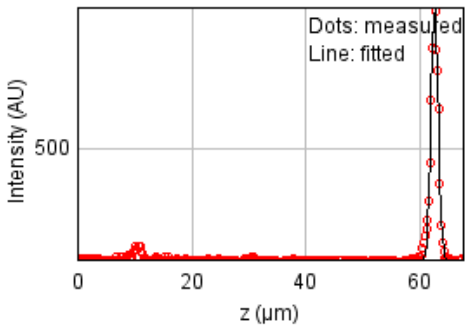




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 1261.843 (brightness)
B = 122.588 (background)
a = 1.031 px
b = -0.103 px
c = 0.540 px
xc = 5.648 px
yc = 5.986 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56997.7805
Standard deviation: 13.62573
R^2: 0.98518
Parameters:
a = 116.22518
b = 991.98360
c = 62.63612
d = 0.63425

Bead 3047 (Rejected)

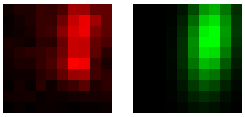
Date : Mon Oct 17 13:30:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

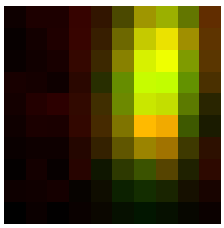
Coordinates : -159 um (x), 53.8 um (y), 61.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	690 nm	713 nm	223 nm
max	1.48 um	1.53 um	223 nm
z	2.36 um	2.37 um	885 nm
Asymmetry	0.465		
Theta	83.6°		

XY profile & fitting parameters :

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

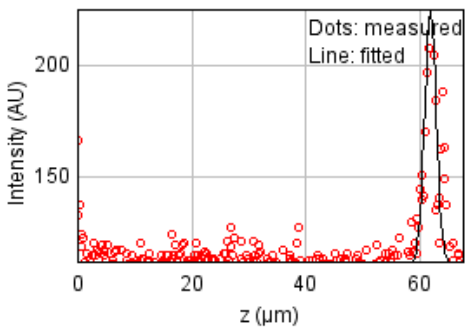




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.893

Parameters:
A = 183.457 (brightness)
B = 118.752 (background)
a = 0.279 px
b = 0.024 px
c = 0.064 px
xc = 6.550 px
yc = 2.618 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31936.7575
Standard deviation: 10.19944
R^2: 0.75491
Parameters:
a = 111.87010
b = 225.23964
c = 61.89561
d = 1.00256

Bead 3048

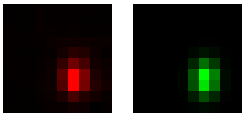
Date : Mon Oct 17 13:30:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

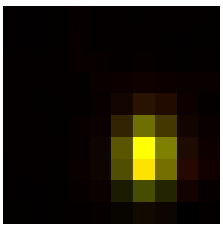
Coordinates : -89.3 um (x), 53.4 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	528 nm	546 nm	223 nm
z	1.21 um	1.21 um	885 nm
Asymmetry	0.735		
Theta	88.5°		

XY profile & fitting parameters :

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

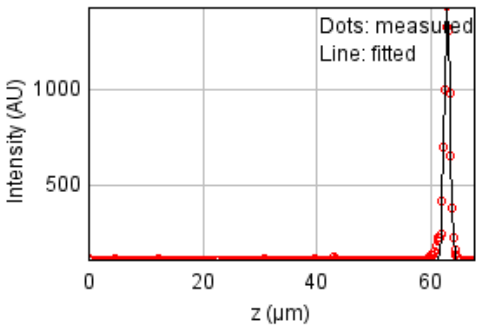




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

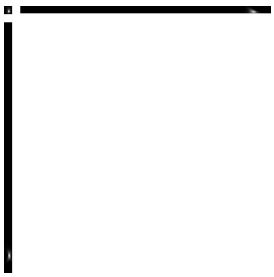
Parameters:
A = 1449.022 (brightness)
B = 126.000 (background)
a = 0.888 px
b = 0.011 px
c = 0.481 px
xc = 6.106 px
yc = 6.372 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53013.0515
Standard deviation: 13.14081
R^2: 0.99234
Parameters:
a = 114.00833
b = 1419.96014
c = 62.90560
d = 0.51335

Bead 3049



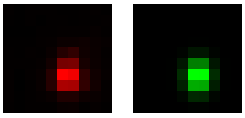
Date : Mon Oct 17 13:30:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

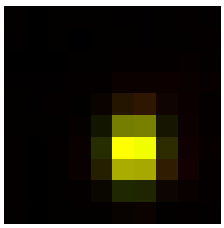
Coordinates : -54.9 um (x), 48.2 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	406 nm	223 nm
max	494 nm	511 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.795		
Theta	88.8°		

XY profile & fitting parameters :

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

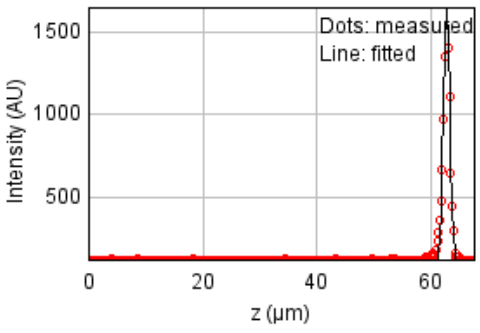




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1930.877 (brightness)
B = 126.115 (background)
a = 0.870 px
b = 0.007 px
c = 0.550 px
xc = 5.494 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: 88397.3750
Standard deviation: 16.96878
R^2: 0.99171
Parameters:
a = 114.25872
b = 1672.24930
c = 62.82099
d = 0.55688

Bead 3050

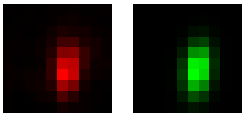
Date : Mon Oct 17 13:30:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

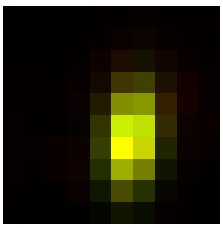
Coordinates : -154 um (x), 48.7 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	780 nm	806 nm	223 nm
z	1.39 um	1.4 um	885 nm
Asymmetry	0.523		
Theta	84.0°		

XY profile & fitting parameters :

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

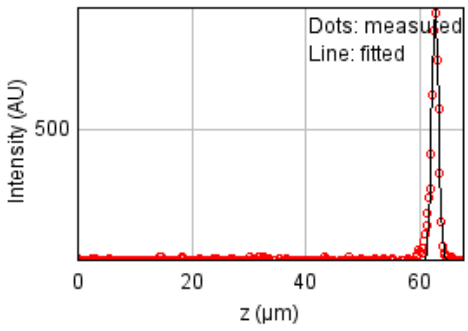




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1039.087 (brightness)
B = 127.063 (background)
a = 0.802 px
b = 0.062 px
c = 0.227 px
xc = 5.422 px
yc = 5.535 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 52593.5941
Standard deviation: 13.08872
R^2: 0.98012
Parameters:
a = 111.61825
b = 860.73318
c = 62.74229
d = 0.59197

Bead 3051

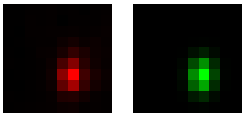
Date : Mon Oct 17 13:30:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

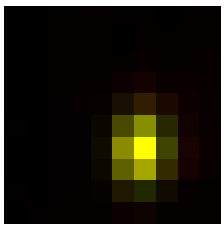
Coordinates : -89.1 um (x), 48.2 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	385 nm	223 nm
max	518 nm	536 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.719		
Theta	86.8°		

XY profile & fitting parameters :

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

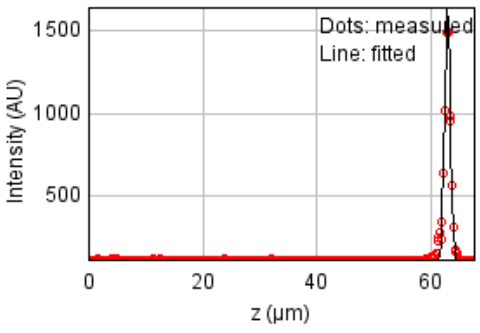




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

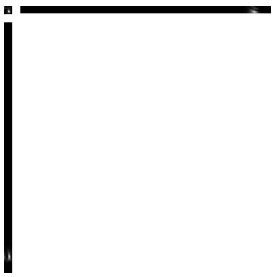
Parameters:
A = 1685.253 (brightness)
B = 131.450 (background)
a = 0.964 px
b = 0.026 px
c = 0.501 px
xc = 5.814 px
yc = 6.085 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 191392.072
Standard deviation: 24.96852
R^2: 0.97965
Parameters:
a = 116.66246
b = 1642.71403
c = 62.96111
d = 0.50444

Bead 3052



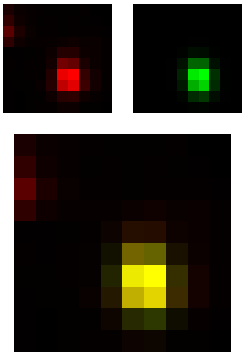
Date : Mon Oct 17 13:30:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -125 um (x), 47.2 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	488 nm	505 nm	223 nm
z	1.08 um	1.08 um	885 nm
Asymmetry	0.79		
Theta	-80.8°		

XY profile & fitting parameters :

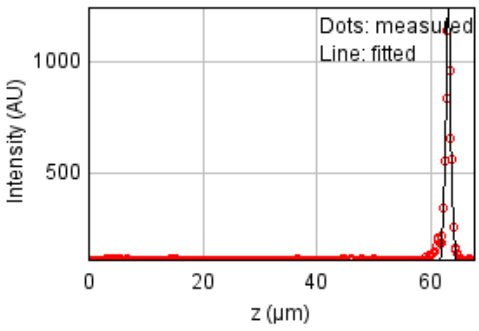
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1643.558 (brightness)
B = 144.227 (background)
a = 0.893 px
b = -0.053 px
c = 0.571 px
xc = 5.567 px
yc = 6.296 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 123811.482
Standard deviation: 20.08220
R^2: 0.97407
Parameters:
a = 113.99733
b = 1251.01983
c = 63.09155
d = 0.45742

Bead 3053

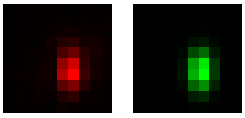
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

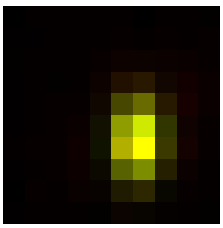
Coordinates : -156 um (x), 46.3 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	378 nm	391 nm	223 nm
max	624 nm	645 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.606		
Theta	89.3°		

XY profile & fitting parameters :

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

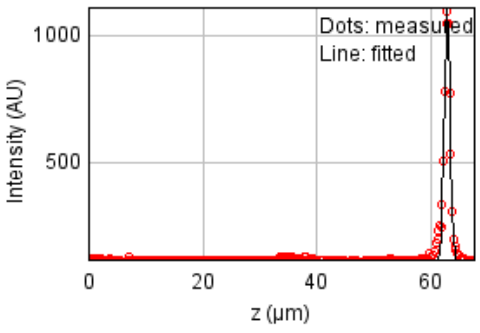




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1289.868 (brightness)
B = 127.606 (background)
a = 0.938 px
b = 0.007 px
c = 0.345 px
xc = 5.705 px
yc = 5.641 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 62725.0248
Standard deviation: 14.29392
R^2: 0.98436
Parameters:
a = 114.35994
b = 1109.39579
c = 62.91572
d = 0.50834

Bead 3054

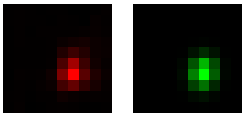
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

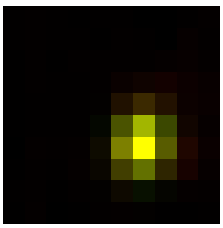
Coordinates : -73.5 um (x), 43.2 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	407 nm	223 nm
max	485 nm	501 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.813		
Theta	81.1°		

XY profile & fitting parameters :

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

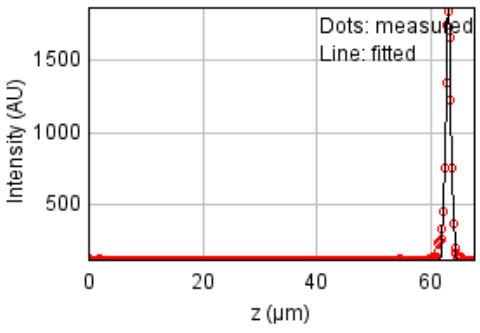




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 1677.066 (brightness)
B = 129.222 (background)
a = 0.857 px
b = 0.045 px
c = 0.578 px
xc = 5.916 px
yc = 5.804 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 83551.8911
Standard deviation: 16.49715
R^2: 0.99282
Parameters:
a = 114.61858
b = 1863.89651
c = 63.11656
d = 0.48104

Bead 3055

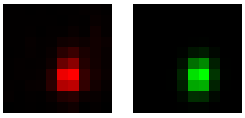
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

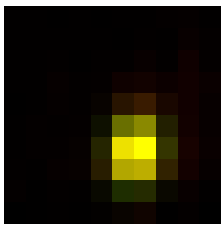
Coordinates : -43.0 um (x), 41.8 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	411 nm	223 nm
max	519 nm	536 nm	223 nm
z	1.18 um	1.18 um	885 nm
Asymmetry	0.766		
Theta	83.1°		

XY profile & fitting parameters :

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

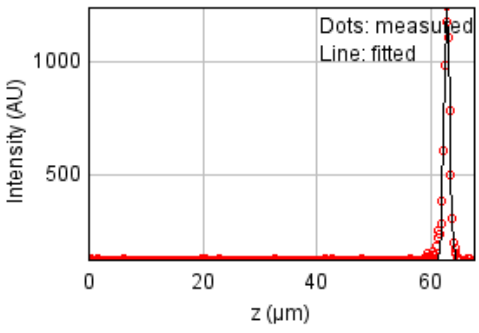




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1286.183 (brightness)
B = 123.640 (background)
a = 0.846 px
b = 0.042 px
c = 0.504 px
xc = 5.567 px
yc = 6.156 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66811.8341
Standard deviation: 14.75222
R^2: 0.98704
Parameters:
a = 114.99311
b = 1253.37042
c = 62.85604
d = 0.50030

Bead 3056

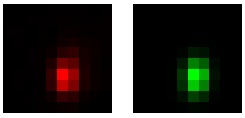
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

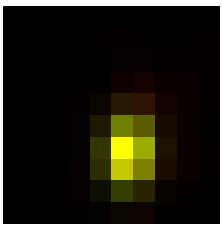
Coordinates : -64.0 um (x), 41.5 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	371 nm	383 nm	223 nm
max	536 nm	555 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.691		
Theta	86.3°		

XY profile & fitting parameters :

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

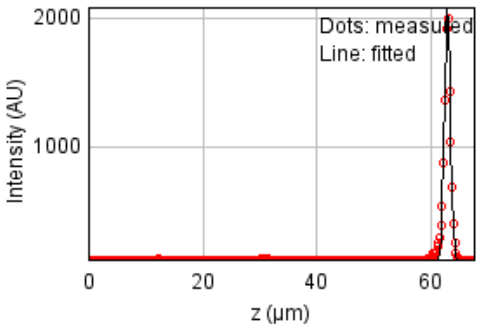




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

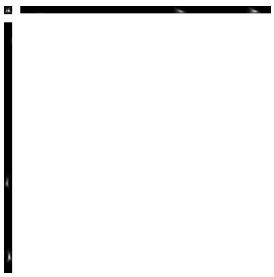
Parameters:
A = 2132.651 (brightness)
B = 132.932 (background)
a = 0.975 px
b = 0.033 px
c = 0.468 px
xc = 5.292 px
yc = 6.219 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 118287.268
Standard deviation: 19.62907
R^2: 0.99260
Parameters:
a = 116.14543
b = 2077.80268
c = 62.94682
d = 0.52630

Bead 3057



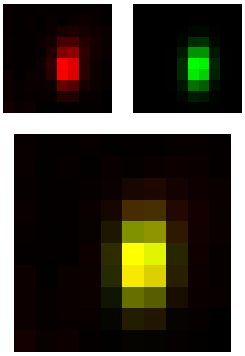
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -119 um (x), 41.7 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	394 nm	223 nm
max	646 nm	668 nm	223 nm
z	1.32 um	1.33 um	885 nm
Asymmetry	0.591		
Theta	86.9°		

XY profile & fitting parameters :

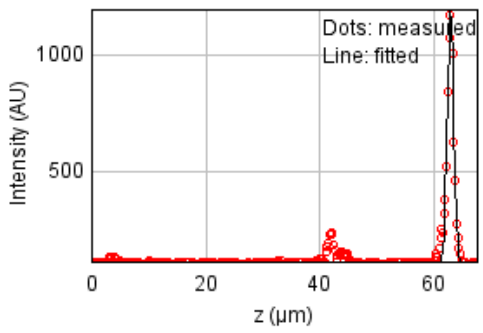
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1278.887 (brightness)
B = 139.359 (background)
a = 0.920 px
b = 0.032 px
c = 0.323 px
xc = 5.463 px
yc = 5.316 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 176689.105
Standard deviation: 23.99030
R^2: 0.96618
Parameters:
a = 120.51908
b = 1193.01993
c = 62.96912
d = 0.56115

Bead 3058

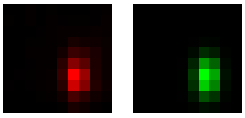
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

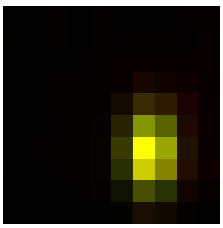
Coordinates : -91.7 um (x), 41.5 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	386 nm	223 nm
max	598 nm	618 nm	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.624		
Theta	89.8°		

XY profile & fitting parameters :

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

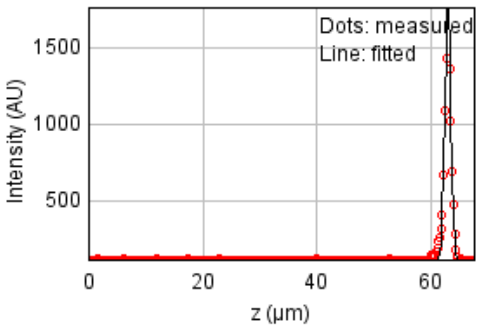




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1790.623 (brightness)
B = 133.413 (background)
a = 0.964 px
b = 0.002 px
c = 0.376 px
xc = 6.274 px
yc = 6.204 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 114829.856
Standard deviation: 19.34008
R^2: 0.99027
Parameters:
a = 116.03179
b = 1788.81868
c = 63.02182
d = 0.53324

Bead 3059

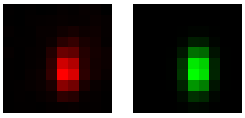
Date : Mon Oct 17 13:30:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

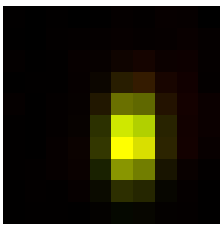
Coordinates : -138 um (x), 39.0 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	414 nm	223 nm
max	652 nm	674 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.615		
Theta	88.3°		

XY profile & fitting parameters :

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

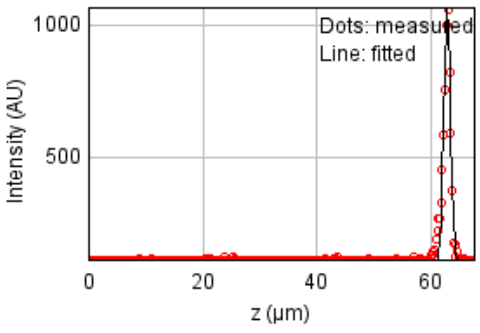




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1319.598 (brightness)
B = 130.085 (background)
a = 0.835 px
b = 0.016 px
c = 0.316 px
xc = 5.423 px
yc = 5.635 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 81806.8569
Standard deviation: 16.32397
R^2: 0.98058
Parameters:
a = 113.51001
b = 1064.43339
c = 62.90576
d = 0.58497

Bead 3060

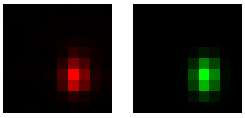
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

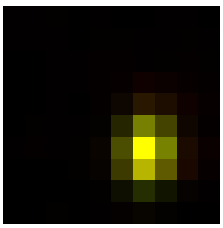
Coordinates : -68.8 um (x), 34.7 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	379 nm	392 nm	223 nm
max	510 nm	527 nm	223 nm
z	1.12 um	1.12 um	885 nm
Asymmetry	0.744		
Theta	87.1°		

XY profile & fitting parameters :

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

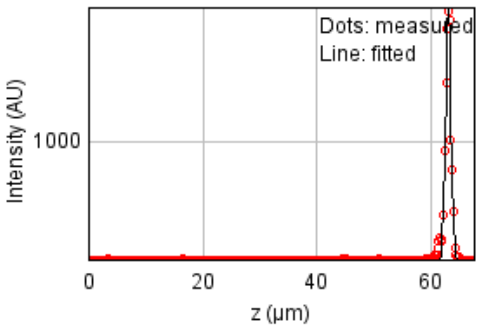




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

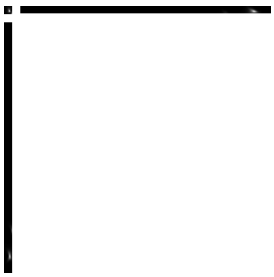
Parameters:
A = 1860.393 (brightness)
B = 128.851 (background)
a = 0.931 px
b = 0.021 px
c = 0.517 px
xc = 6.134 px
yc = 6.162 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 191224.617
Standard deviation: 24.95759
R^2: 0.98569
Parameters:
a = 116.96967
b = 1995.56943
c = 63.09837
d = 0.47492

Bead 3061



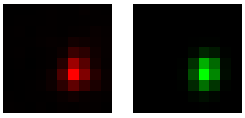
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

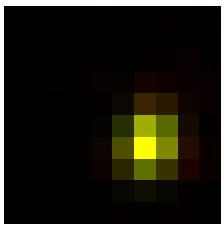
Coordinates : -44.6 um (x), 31.3 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	394 nm	223 nm
max	475 nm	491 nm	223 nm
z	1.2 um	1.21 um	885 nm
Asymmetry	0.803		
Theta	78.6°		

XY profile & fitting parameters :

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

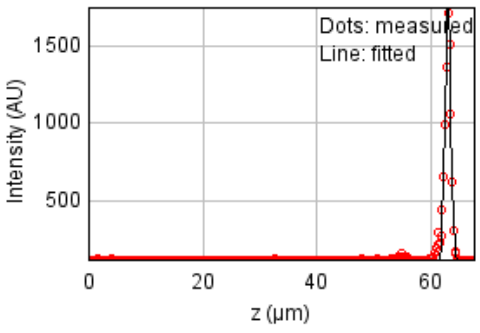




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 1576.327 (brightness)
B = 128.990 (background)
a = 0.911 px
b = 0.064 px
c = 0.608 px
xc = 6.164 px
yc = 5.795 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 119608.108
Standard deviation: 19.73836
R^2: 0.98936
Parameters:
a = 116.47509
b = 1784.20794
c = 63.03242
d = 0.51015

Bead 3062

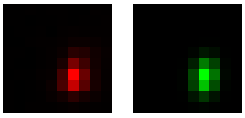
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

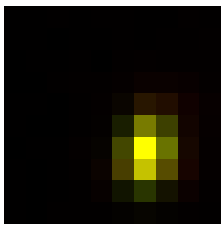
Coordinates : -58.1 um (x), 30.8 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	358 nm	370 nm	223 nm
max	520 nm	538 nm	223 nm
z	1.1 um	1.1 um	885 nm
Asymmetry	0.688		
Theta	82.8°		

XY profile & fitting parameters :

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

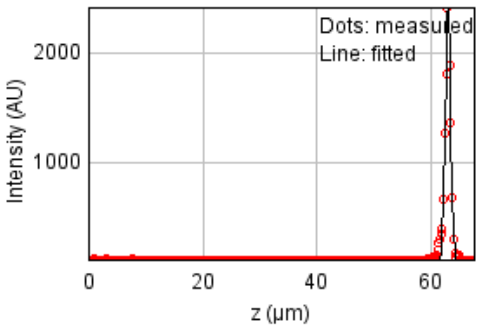




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

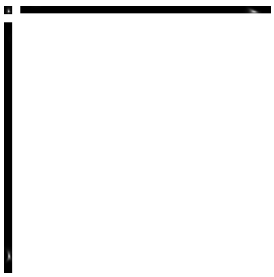
Parameters:
A = 2424.424 (brightness)
B = 136.097 (background)
a = 1.036 px
b = 0.069 px
c = 0.504 px
xc = 6.102 px
yc = 6.210 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 158476.783
Standard deviation: 22.72028
R^2: 0.99226
Parameters:
a = 116.61026
b = 2471.73649
c = 63.03905
d = 0.46576

Bead 3063



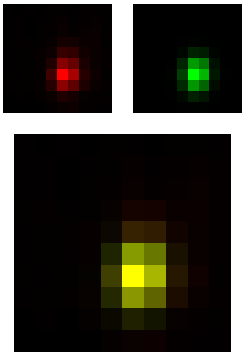
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -37.1 um (x), 28.6 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	406 nm	223 nm
max	514 nm	531 nm	223 nm
z	1.3 um	1.3 um	885 nm
Asymmetry	0.764		
Theta	84.1°		

XY profile & fitting parameters :

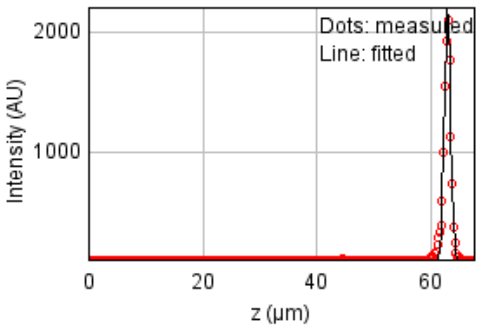
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 2131.157 (brightness)
B = 137.933 (background)
a = 0.867 px
b = 0.037 px
c = 0.512 px
xc = 5.305 px
yc = 5.965 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 106644.032
Standard deviation: 18.63799
R^2: 0.99436
Parameters:
a = 115.15769
b = 2205.31669
c = 62.95683
d = 0.55026

Bead 3064

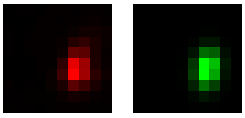
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

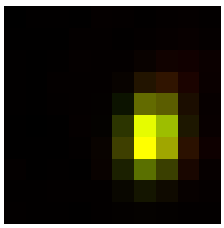
Coordinates : -30.7 um (x), 27.4 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	392 nm	223 nm
max	572 nm	592 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.663		
Theta	81.7°		

XY profile & fitting parameters :

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

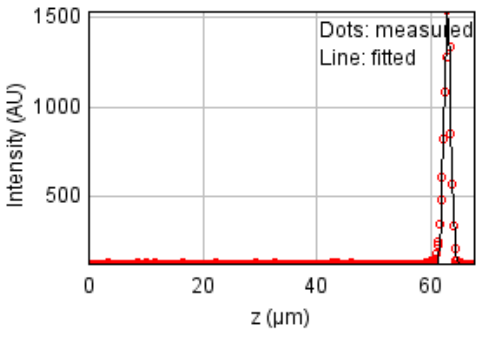




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

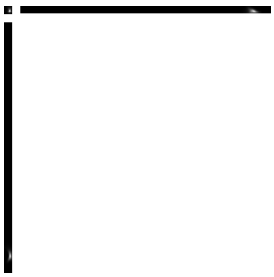
Parameters:
A = 1572.020 (brightness)
B = 127.161 (background)
a = 0.921 px
b = 0.075 px
c = 0.421 px
xc = 6.308 px
yc = 5.465 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 138593.447
Standard deviation: 21.24722
R^2: 0.98553
Parameters:
a = 114.69851
b = 1534.88852
c = 62.94825
d = 0.59957

Bead 3065



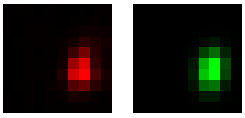
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

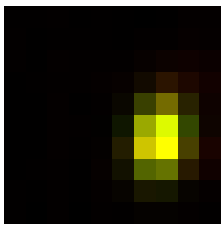
Coordinates : -21.6 um (x), 21.2 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	414 nm	223 nm
max	579 nm	598 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.693		
Theta	81.4°		

XY profile & fitting parameters :

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

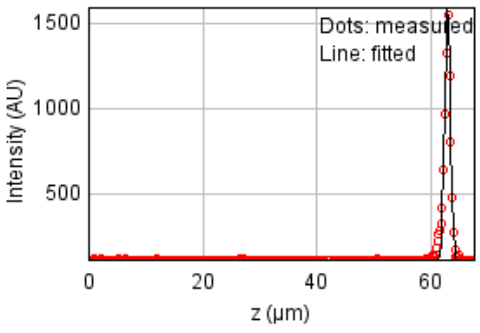




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1733.059 (brightness)
B = 128.519 (background)
a = 0.825 px
b = 0.064 px
c = 0.410 px
xc = 6.691 px
yc = 5.578 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 111486.693
Standard deviation: 19.05646
R^2: 0.98741
Parameters:
a = 116.30977
b = 1598.86895
c = 62.97276
d = 0.50714

Bead 3066

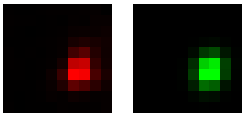
Date : Mon Oct 17 13:30:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

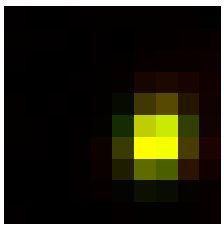
Coordinates : -33.5 um (x), 21.6 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	439 nm	223 nm
max	508 nm	526 nm	223 nm
z	1.48 um	1.49 um	885 nm
Asymmetry	0.835		
Theta	71.8°		

XY profile & fitting parameters :

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

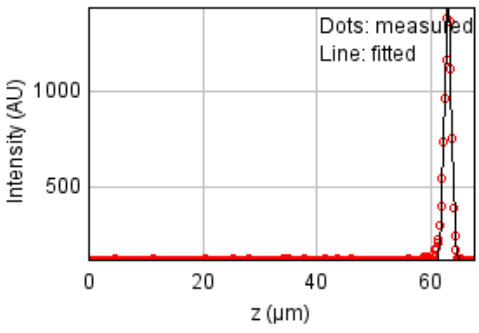




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

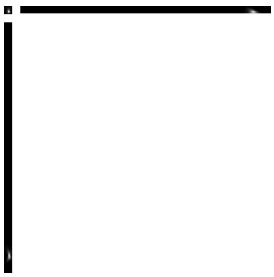
Parameters:
A = 1642.323 (brightness)
B = 125.013 (background)
a = 0.723 px
b = 0.067 px
c = 0.541 px
xc = 6.531 px
yc = 5.633 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 103110.589
Standard deviation: 18.32662
R^2: 0.98849
Parameters:
a = 113.70147
b = 1457.27890
c = 63.04203
d = 0.62952

Bead 3067



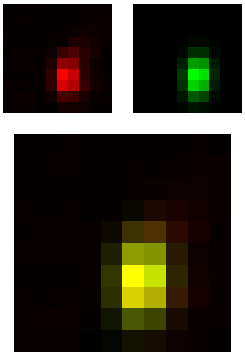
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -12.2 um (x), 16.9 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	412 nm	223 nm
max	625 nm	647 nm	223 nm
z	1.37 um	1.37 um	885 nm
Asymmetry	0.637		
Theta	86.4°		

XY profile & fitting parameters :

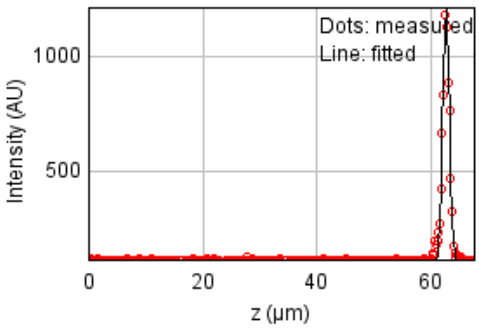
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1261.129 (brightness)
B = 131.303 (background)
a = 0.844 px
b = 0.031 px
c = 0.345 px
xc = 5.421 px
yc = 6.179 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51697.6747
Standard deviation: 12.97676
R^2: 0.99066
Parameters:
a = 114.74166
b = 1214.47462
c = 62.72228
d = 0.58033

Bead 3068

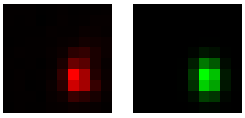
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

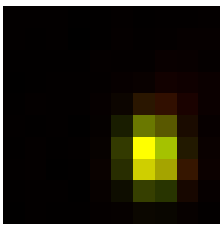
Coordinates : -14.4 um (x), 16.4 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	527 nm	545 nm	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.741		
Theta	-87.0°		

XY profile & fitting parameters :

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

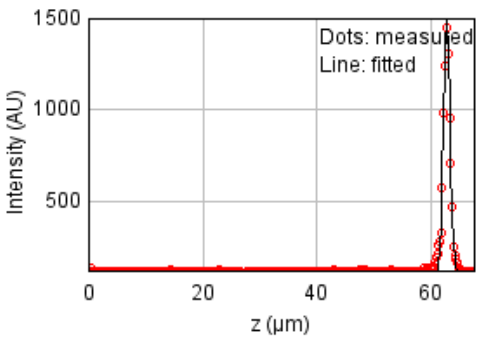




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1590.107 (brightness)
B = 128.991 (background)
a = 0.877 px
b = -0.021 px
c = 0.484 px
xc = 6.350 px
yc = 6.295 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 65957.4946
Standard deviation: 14.65760
R^2: 0.99245
Parameters:
a = 114.69962
b = 1517.22580
c = 62.83684
d = 0.56399

Bead 3069

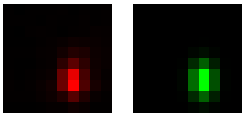
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

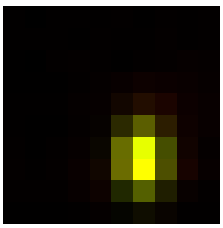
Coordinates : -149 um (x), 4.95 um (y), 63.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	363 nm	375 nm	223 nm
max	521 nm	539 nm	223 nm
z	1.29 um	1.29 um	885 nm
Asymmetry	0.696		
Theta	-89.4°		

XY profile & fitting parameters :

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

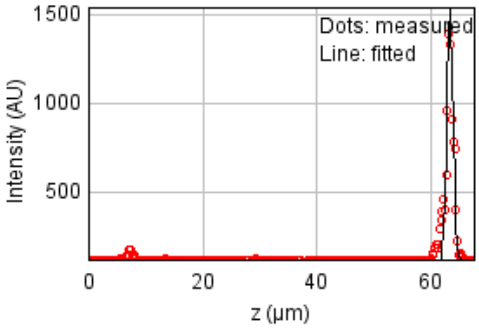




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1969.175 (brightness)
B = 135.928 (background)
a = 1.018 px
b = -0.006 px
c = 0.494 px
xc = 5.921 px
yc = 6.504 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 602027.123
Standard deviation: 44.28318
R^2: 0.93546
Parameters:
a = 116.86052
b = 1545.09833
c = 63.38829
d = 0.54661

Bead 3070

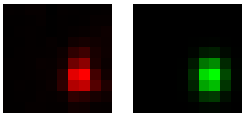
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

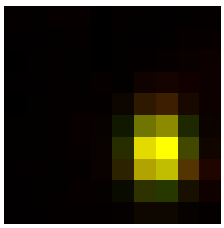
Coordinates : -8.01 um (x), 1.06 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	434 nm	448 nm	223 nm
max	543 nm	561 nm	223 nm
z	1.06 um	1.06 um	885 nm
Asymmetry	0.799		
Theta	88.6°		

XY profile & fitting parameters :

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

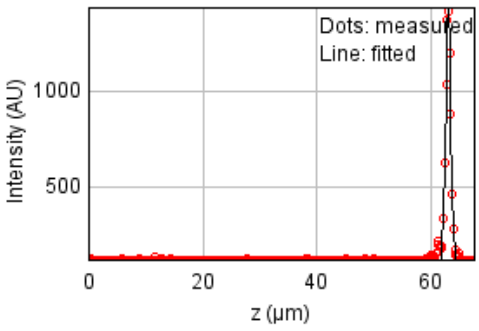




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 1482.289 (brightness)
B = 126.416 (background)
a = 0.714 px
b = 0.006 px
c = 0.456 px
xc = 6.608 px
yc = 6.174 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50001.2762
Standard deviation: 12.76208
R^2: 0.99212
Parameters:
a = 114.79156
b = 1450.68208
c = 63.08936
d = 0.44828

Bead 3071

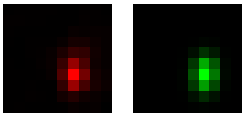
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

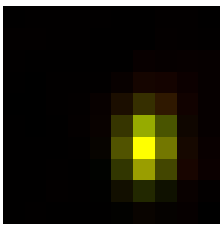
Coordinates : 64.5 um (x), -48.8 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	377 nm	390 nm	223 nm
max	551 nm	569 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.685		
Theta	87.0°		

XY profile & fitting parameters :

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

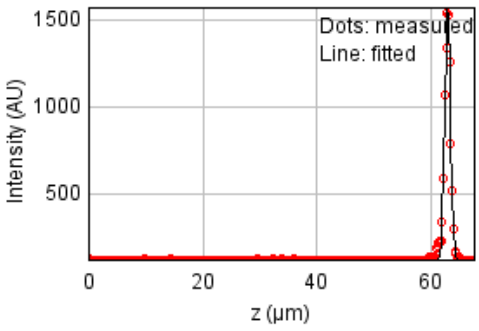




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

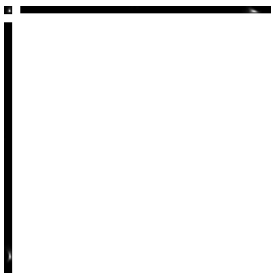
Parameters:
A = 1371.268 (brightness)
B = 126.564 (background)
a = 0.942 px
b = 0.026 px
c = 0.444 px
xc = 6.096 px
yc = 5.950 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 54902.3120
Standard deviation: 13.37292
R^2: 0.99360
Parameters:
a = 114.60700
b = 1582.24555
c = 62.98475
d = 0.50473

Bead 3072



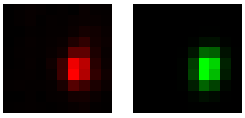
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

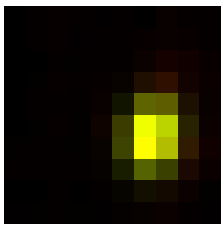
Coordinates : 68.1 um (x), -55.3 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	540 nm	558 nm	223 nm
z	1.25 um	1.25 um	885 nm
Asymmetry	0.744		
Theta	80.8°		

XY profile & fitting parameters :

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

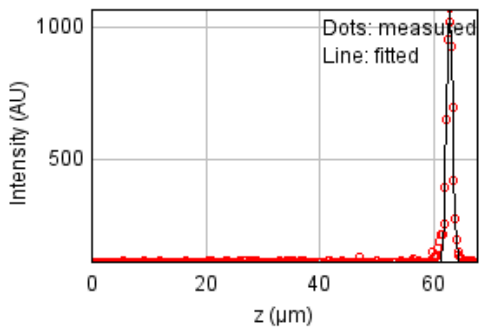




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

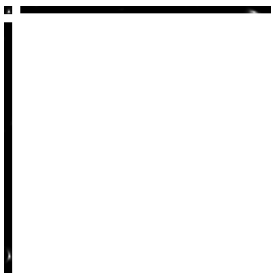
Parameters:
A = 1190.228 (brightness)
B = 122.303 (background)
a = 0.821 px
b = 0.058 px
c = 0.469 px
xc = 6.355 px
yc = 5.449 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53832.3869
Standard deviation: 13.24197
R^2: 0.98647
Parameters:
a = 113.19727
b = 1086.78722
c = 62.81759
d = 0.52874

Bead 3073



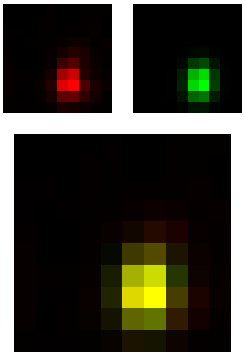
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -5.14 um (x), -67.7 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	533 nm	551 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.767		
Theta	86.6°		

XY profile & fitting parameters :

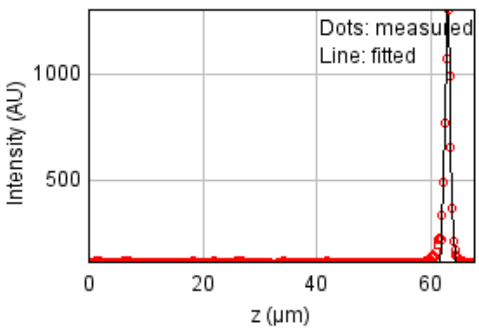
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1354.543 (brightness)
B = 127.853 (background)
a = 0.801 px
b = 0.020 px
c = 0.473 px
xc = 5.618 px
yc = 6.677 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 60176.7820
Standard deviation: 14.00056
R^2: 0.98894
Parameters:
a = 116.07172
b = 1309.22470
c = 62.98685
d = 0.48107

Bead 3074

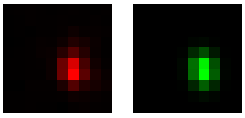
Date : Mon Oct 17 13:30:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

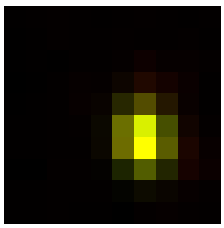
Coordinates : 65.5 um (x), -79.1 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	376 nm	389 nm	223 nm
max	501 nm	518 nm	223 nm
z	1.32 um	1.33 um	885 nm
Asymmetry	0.751		
Theta	-83.3°		

XY profile & fitting parameters :

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

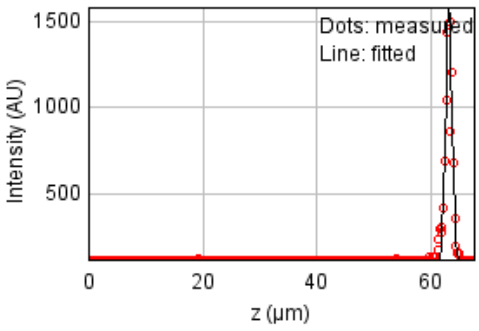




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

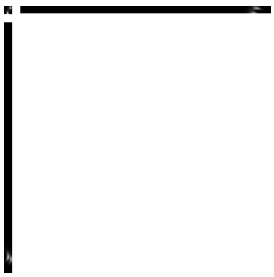
Parameters:
A = 1786.825 (brightness)
B = 128.293 (background)
a = 0.941 px
b = -0.048 px
c = 0.540 px
xc = 5.936 px
yc = 5.553 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 388693.687
Standard deviation: 35.58234
R^2: 0.96073
Parameters:
a = 114.17869
b = 1585.90002
c = 63.19686
d = 0.56147

Bead 3075 (Rejected)



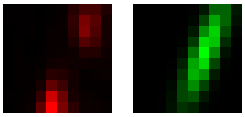
Date : Mon Oct 17 13:30:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

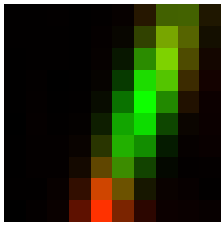
Coordinates : -4.36 um (x), -85.7 um (y), 63.1 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	420 nm	223 nm
max	1.64 um	1.7 um	223 nm
z	1.36 um	1.36 um	885 nm
Asymmetry	0.248		
Theta	68.8°		

XY profile & fitting parameters :

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

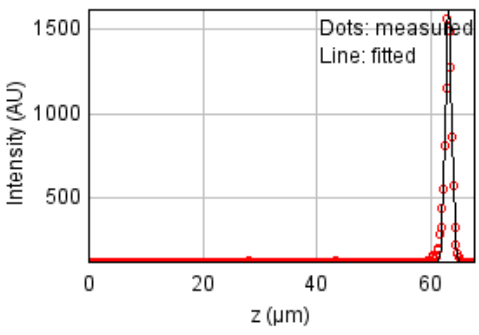




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.804

Parameters:
A = 296.404 (brightness)
B = 136.866 (background)
a = 0.700 px
b = 0.291 px
c = 0.063 px
xc = 6.163 px
yc = 3.727 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 81456.3180
Standard deviation: 16.28895
R^2: 0.99206
Parameters:
a = 115.63699
b = 1618.53102
c = 63.14324
d = 0.57679

Bead 3076

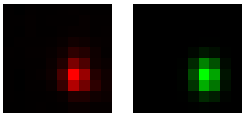
Date : Mon Oct 17 13:30:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

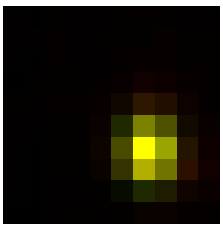
Coordinates : 78.4 um (x), -92.0 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	503 nm	520 nm	223 nm
z	1.27 um	1.28 um	885 nm
Asymmetry	0.8		
Theta	-86.2°		

XY profile & fitting parameters :

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

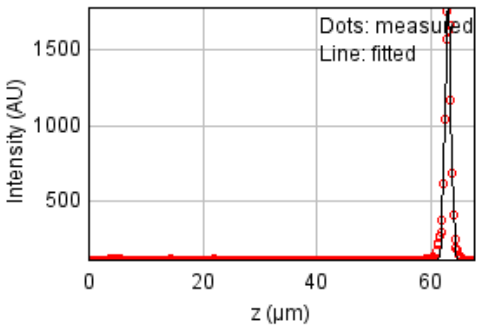




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1553.532 (brightness)
B = 127.601 (background)
a = 0.827 px
b = -0.020 px
c = 0.531 px
xc = 6.238 px
yc = 6.145 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 121742.428
Standard deviation: 19.91369
R^2: 0.98997
Parameters:
a = 113.16716
b = 1799.00201
c = 63.05056
d = 0.54011

Bead 3077 (Rejected)

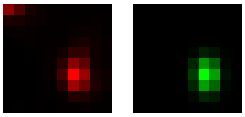
Date : Mon Oct 17 13:30:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

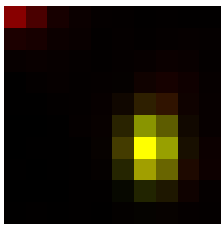
Coordinates : 79.7 um (x), -93.5 um (y), 63.0 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	387 nm	223 nm
max	513 nm	531 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.729		
Theta	-89.2°		

XY profile & fitting parameters :

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

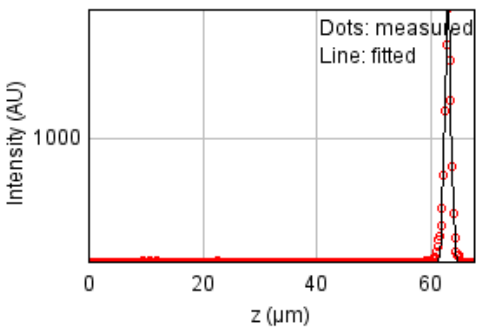




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.844

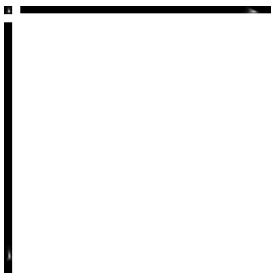
Parameters:
A = 1898.387 (brightness)
B = 165.624 (background)
a = 0.957 px
b = -0.006 px
c = 0.509 px
xc = 6.255 px
yc = 6.037 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 114414.615
Standard deviation: 19.30508
R^2: 0.99242
Parameters:
a = 114.94150
b = 1967.59545
c = 63.02534
d = 0.55769

Bead 3078



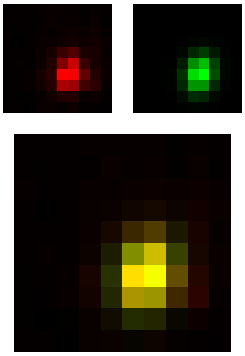
Date : Mon Oct 17 13:30:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -144 um (x), 68.2 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	455 nm	223 nm
max	577 nm	597 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.763		
Theta	75.1°		

XY profile & fitting parameters :

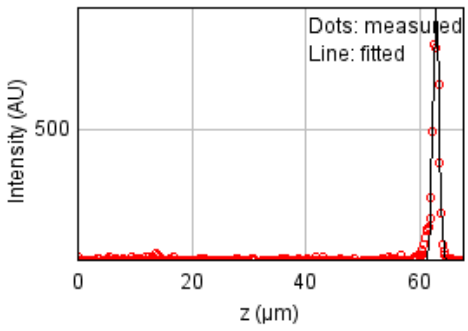
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 749.184 (brightness)
B = 117.158 (background)
a = 0.673 px
b = 0.072 px
c = 0.422 px
xc = 5.613 px
yc = 5.926 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 102353.042
Standard deviation: 18.25918
R^2: 0.95880
Parameters:
a = 112.09610
b = 859.09144
c = 62.88865
d = 0.54545

Bead 3079

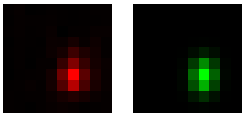
Date : Mon Oct 17 13:30:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

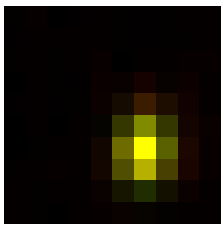
Coordinates : -109 um (x), 63.8 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	383 nm	396 nm	223 nm
max	523 nm	541 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.732		
Theta	86.9°		

XY profile & fitting parameters :

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

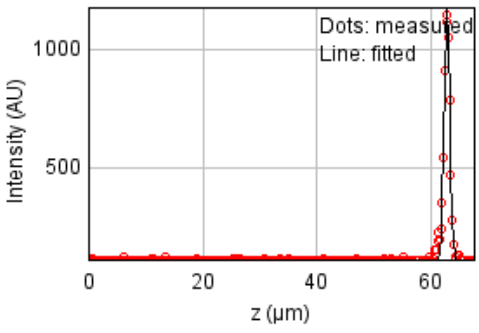




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 1015.847 (brightness)
B = 123.153 (background)
a = 0.915 px
b = 0.023 px
c = 0.492 px
xc = 5.967 px
yc = 6.122 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44312.6024
Standard deviation: 12.01419
R^2: 0.98998
Parameters:
a = 114.11305
b = 1178.56621
c = 62.87724
d = 0.49218

Bead 3080

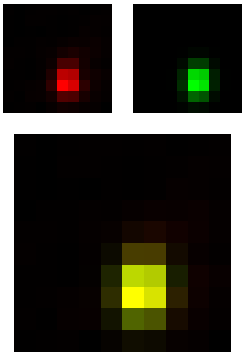
Date : Mon Oct 17 13:30:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -77.8 um (x), 54.0 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	393 nm	223 nm
max	494 nm	511 nm	223 nm
z	1.37 um	1.37 um	885 nm
Asymmetry	0.77		
Theta	85.6°		

XY profile & fitting parameters :

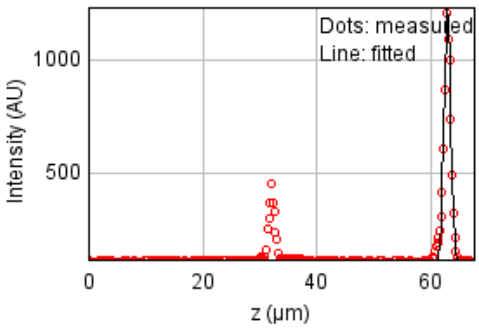
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1371.396 (brightness)
B = 125.056 (background)
a = 0.925 px
b = 0.029 px
c = 0.552 px
xc = 5.448 px
yc = 6.628 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 453484.019
Standard deviation: 38.43367
R^2: 0.92490
Parameters:
a = 121.47574
b = 1231.03057
c = 62.95058
d = 0.58072

Bead 3081 (Rejected)

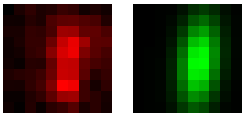
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

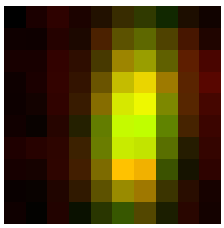
Coordinates : -159 um (x), 53.7 um (y), 61.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	625 nm	646 nm	223 nm
max	1.43 um	1.48 um	223 nm
z	2.36 um	2.37 um	885 nm
Asymmetry	0.436		
Theta	84.4°		

XY profile & fitting parameters :

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

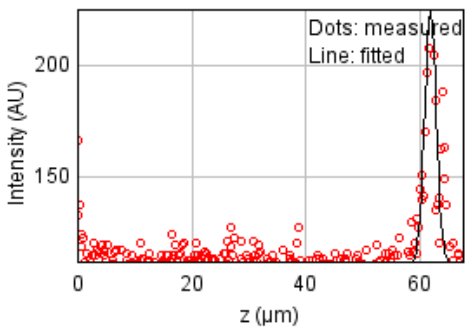




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.879

Parameters:
A = 173.706 (brightness)
B = 130.413 (background)
a = 0.341 px
b = 0.027 px
c = 0.068 px
xc = 5.535 px
yc = 4.844 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31936.7575
Standard deviation: 10.19944
R^2: 0.75491
Parameters:
a = 111.87010
b = 225.23964
c = 61.89561
d = 1.00256

Bead 3082

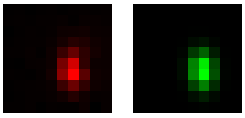
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

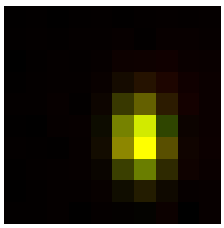
Coordinates : -127 um (x), 48.3 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	580 nm	599 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.663		
Theta	-87.2°		

XY profile & fitting parameters :

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

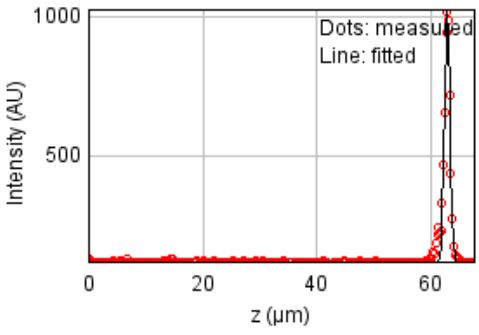




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1119.446 (brightness)
B = 125.929 (background)
a = 0.906 px
b = -0.025 px
c = 0.400 px
xc = 5.841 px
yc = 5.602 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 69112.7475
Standard deviation: 15.00410
R^2: 0.97872
Parameters:
a = 113.80642
b = 1025.67076
c = 62.91968
d = 0.48699

Bead 3083

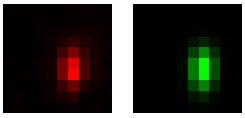
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

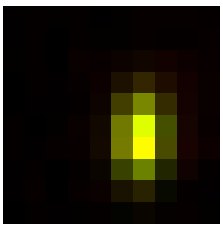
Coordinates : -115 um (x), 43.9 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	386 nm	223 nm
max	641 nm	663 nm	223 nm
z	1.13 um	1.13 um	885 nm
Asymmetry	0.582		
Theta	88.6°		

XY profile & fitting parameters :

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

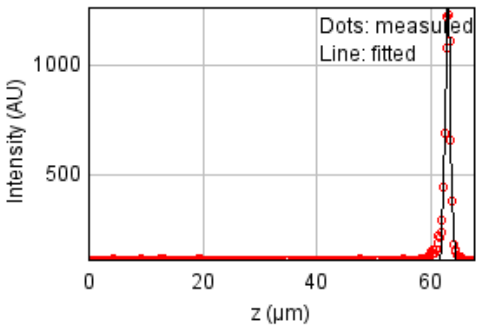




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

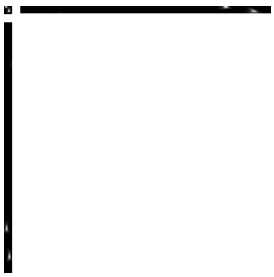
Parameters:
A = 1263.725 (brightness)
B = 130.070 (background)
a = 0.962 px
b = 0.015 px
c = 0.327 px
xc = 5.879 px
yc = 5.479 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 76373.8557
Standard deviation: 15.77260
R^2: 0.98535
Parameters:
a = 114.11020
b = 1282.42784
c = 63.01657
d = 0.47906

Bead 3084



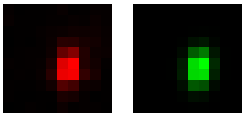
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

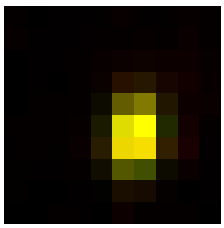
Coordinates : -106 um (x), 42.6 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	367 nm	379 nm	223 nm
max	553 nm	572 nm	223 nm
z	1.28 um	1.28 um	885 nm
Asymmetry	0.663		
Theta	83.5°		

XY profile & fitting parameters :

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

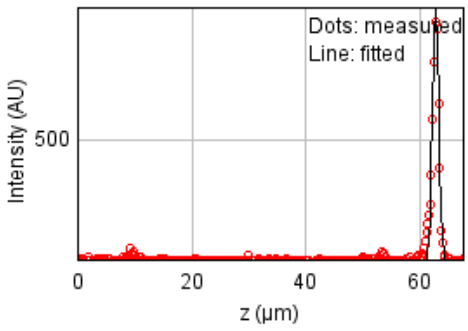




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

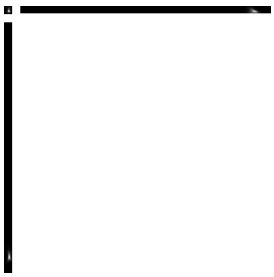
Parameters:
A = 1286.272 (brightness)
B = 126.874 (background)
a = 0.989 px
b = 0.062 px
c = 0.445 px
xc = 5.550 px
yc = 5.401 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 65022.1334
Standard deviation: 14.55330
R^2: 0.97762
Parameters:
a = 115.87106
b = 933.49171
c = 62.82631
d = 0.54281

Bead 3085



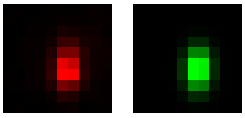
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

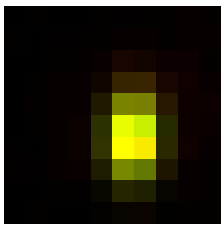
Coordinates : -134 um (x), 42.1 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	412 nm	223 nm
max	644 nm	666 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.618		
Theta	88.5°		

XY profile & fitting parameters :

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

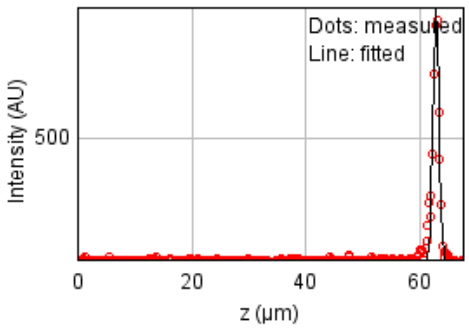




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

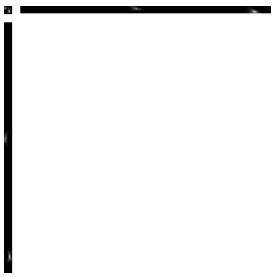
Parameters:
A = 1074.093 (brightness)
B = 126.643 (background)
a = 0.846 px
b = 0.014 px
c = 0.324 px
xc = 5.457 px
yc = 5.493 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66437.4847
Standard deviation: 14.71084
R^2: 0.97556
Parameters:
a = 113.87166
b = 918.79310
c = 62.88150
d = 0.52224

Bead 3086



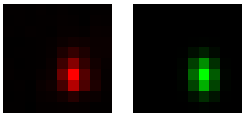
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

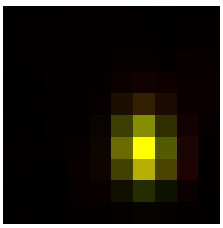
Coordinates : -129 um (x), 41.6 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	372 nm	385 nm	223 nm
max	527 nm	545 nm	223 nm
z	1.14 um	1.14 um	885 nm
Asymmetry	0.706		
Theta	-85.4°		

XY profile & fitting parameters :

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

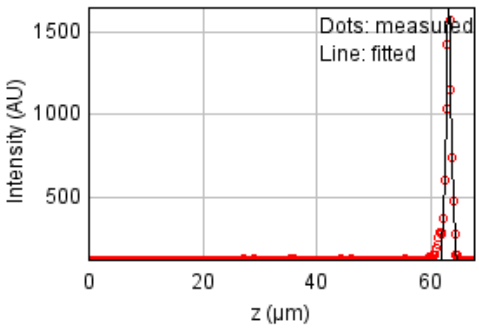




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1549.778 (brightness)
B = 129.420 (background)
a = 0.966 px
b = -0.039 px
c = 0.486 px
xc = 5.966 px
yc = 6.104 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 120320.628
Standard deviation: 19.79707
R^2: 0.98676
Parameters:
a = 114.58678
b = 1653.90024
c = 63.17651
d = 0.48204

Bead 3087

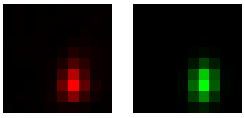
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

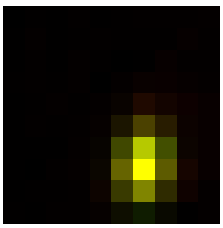
Coordinates : -121 um (x), 40.1 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	368 nm	381 nm	223 nm
max	550 nm	569 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.67		
Theta	84.9°		

XY profile & fitting parameters :

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

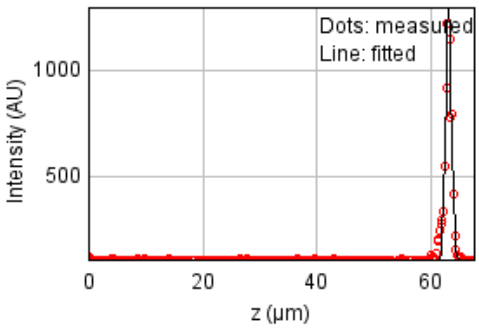




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1256.161 (brightness)
B = 124.487 (background)
a = 0.984 px
b = 0.048 px
c = 0.447 px
xc = 5.988 px
yc = 6.772 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 143868.653
Standard deviation: 21.64781
R^2: 0.97540
Parameters:
a = 114.25322
b = 1291.65297
c = 63.14545
d = 0.52516

Bead 3088

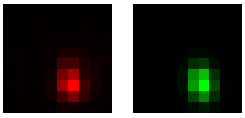
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

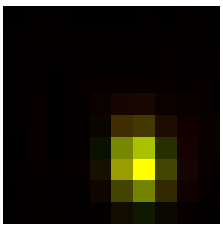
Coordinates : -135 um (x), 38.3 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	535 nm	553 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.72		
Theta	-80.3°		

XY profile & fitting parameters :

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

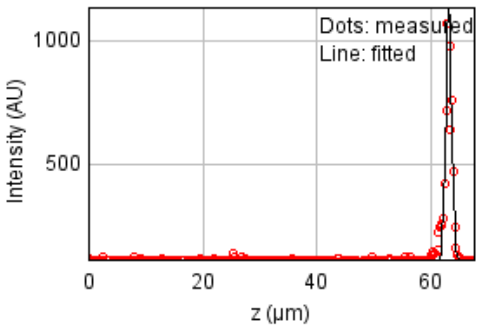




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

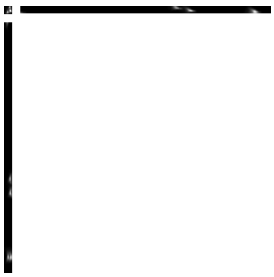
Parameters:
A = 1212.494 (brightness)
B = 125.402 (background)
a = 0.894 px
b = -0.073 px
c = 0.482 px
xc = 5.759 px
yc = 6.757 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 212119.335
Standard deviation: 26.28578
R^2: 0.95245
Parameters:
a = 114.05664
b = 1133.70216
c = 63.18092
d = 0.52150

Bead 3089 (Rejected)



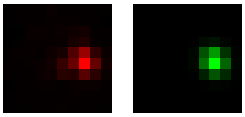
Date : Mon Oct 17 13:30:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

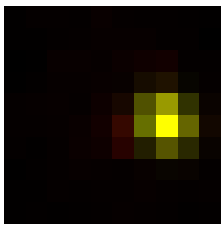
Coordinates : -117 um (x), 37.0 um (y), 45.9 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	375 nm	388 nm	223 nm
max	425 nm	440 nm	223 nm
z	1.21 um	1.22 um	885 nm
Asymmetry	0.882		
Theta	-55.2°		

XY profile & fitting parameters :

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

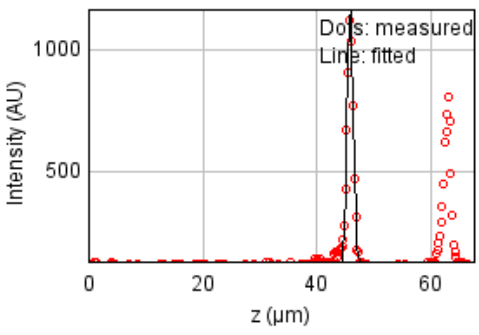




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 1056.651 (brightness)
B = 125.999 (background)
a = 0.884 px
b = -0.099 px
c = 0.811 px
xc = 6.951 px
yc = 4.808 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 2209170.92
Standard deviation: 84.82922
R^2: 0.66262
Parameters:
a = 133.02720
b = 1170.38546
c = 45.90819
d = 0.51429

Bead 3090

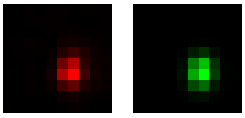
Date : Mon Oct 17 13:30:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

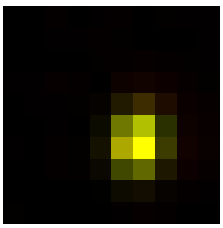
Coordinates : -71.6 um (x), 35.7 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	379 nm	392 nm	223 nm
max	477 nm	493 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.794		
Theta	85.6°		

XY profile & fitting parameters :

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

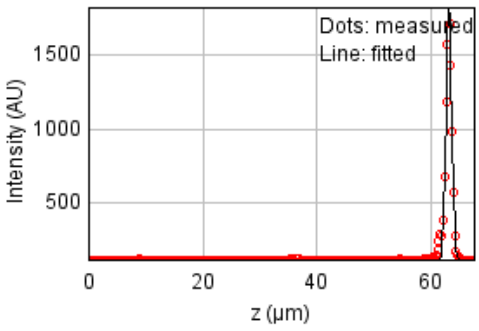




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

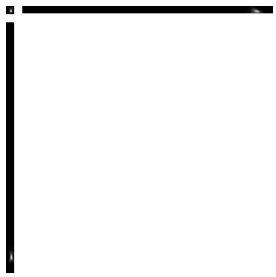
Parameters:
A = 1855.677 (brightness)
B = 131.981 (background)
a = 0.933 px
b = 0.027 px
c = 0.591 px
xc = 5.732 px
yc = 5.754 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 94921.1917
Standard deviation: 17.58379
R^2: 0.99197
Parameters:
a = 117.17501
b = 1833.53660
c = 63.20085
d = 0.50768

Bead 3091



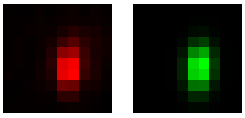
Date : Mon Oct 17 13:30:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

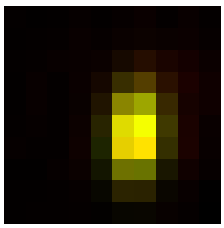
Coordinates : -110 um (x), 36.0 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	416 nm	223 nm
max	699 nm	723 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.576		
Theta	86.5°		

XY profile & fitting parameters :

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

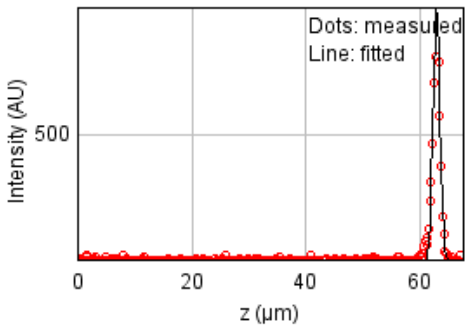




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1105.526 (brightness)
B = 128.135 (background)
a = 0.826 px
b = 0.034 px
c = 0.277 px
xc = 5.581 px
yc = 5.329 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 43630.6575
Standard deviation: 11.92138
R^2: 0.98509
Parameters:
a = 113.12945
b = 897.25496
c = 62.96876
d = 0.60063

Bead 3092

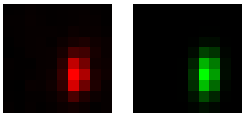
Date : Mon Oct 17 13:30:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

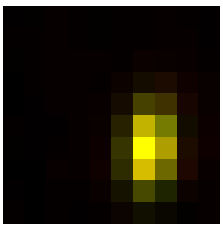
Coordinates : -133 um (x), 34.1 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	359 nm	371 nm	223 nm
max	644 nm	666 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.557		
Theta	85.8°		

XY profile & fitting parameters :

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

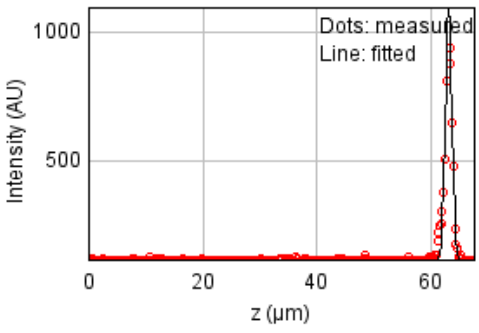




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1158.450 (brightness)
B = 121.462 (background)
a = 1.039 px
b = 0.053 px
c = 0.328 px
xc = 6.268 px
yc = 5.998 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 111721.155
Standard deviation: 19.07649
R^2: 0.97538
Parameters:
a = 113.17674
b = 1097.98718
c = 63.15946
d = 0.58433

Bead 3093

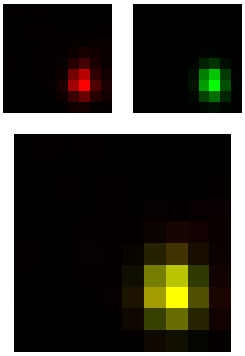
Date : Mon Oct 17 13:30:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -86.1 um (x), 31.7 um (y), 63.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	414 nm	223 nm
max	492 nm	508 nm	223 nm
z	1.16 um	1.17 um	885 nm
Asymmetry	0.814		
Theta	-85.7°		

XY profile & fitting parameters :

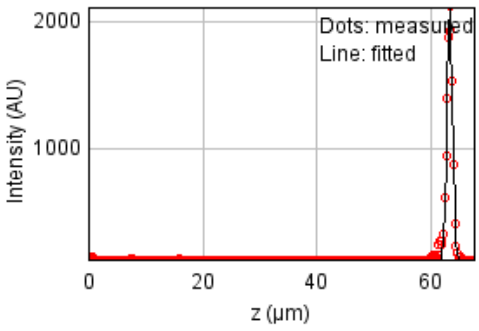
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 2104.383 (brightness)
B = 130.550 (background)
a = 0.836 px
b = -0.021 px
c = 0.556 px
xc = 6.787 px
yc = 6.726 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 127557.079
Standard deviation: 20.38370
R^2: 0.99178
Parameters:
a = 117.28139
b = 2110.31784
c = 63.35468
d = 0.49393

Bead 3094

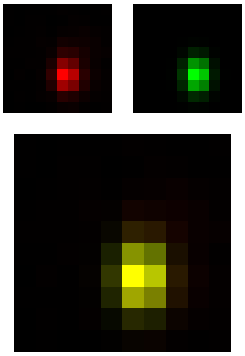
Date : Mon Oct 17 13:30:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -55.1 um (x), 19.8 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	400 nm	223 nm
max	522 nm	540 nm	223 nm
z	1.3 um	1.3 um	885 nm
Asymmetry	0.74		
Theta	-89.9°		

XY profile & fitting parameters :

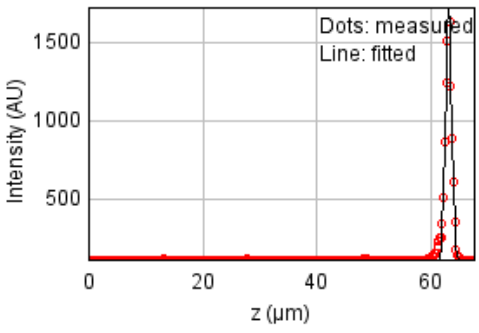
(red : the orignal data, green : the fit, yellow : the two merged)



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

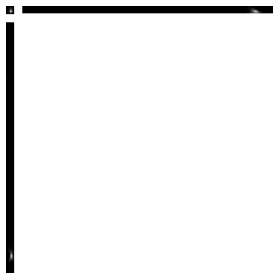
Parameters:
A = 1823.692 (brightness)
B = 128.408 (background)
a = 0.898 px
b = -0.001 px
c = 0.492 px
xc = 5.356 px
yc = 6.062 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 88259.1930
Standard deviation: 16.95551
R^2: 0.99219
Parameters:
a = 114.38319
b = 1726.71294
c = 63.15219
d = 0.55137

Bead 3095



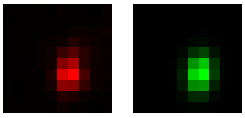
Date : Mon Oct 17 13:30:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

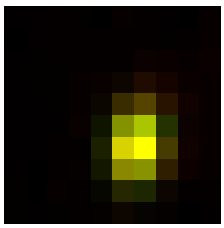
Coordinates : -19.2 um (x), 18.1 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	413 nm	223 nm
max	582 nm	602 nm	223 nm
z	1.54 um	1.55 um	885 nm
Asymmetry	0.686		
Theta	82.8°		

XY profile & fitting parameters :

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

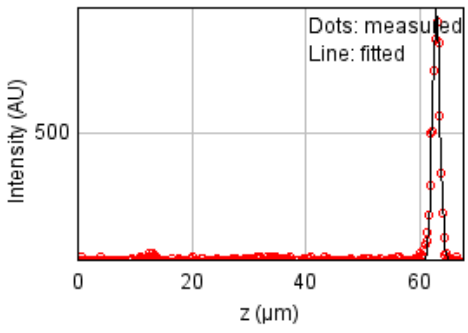




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1077.975 (brightness)
B = 122.919 (background)
a = 0.834 px
b = 0.055 px
c = 0.403 px
xc = 5.625 px
yc = 5.872 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53920.6246
Standard deviation: 13.25282
R^2: 0.98234
Parameters:
a = 116.37491
b = 883.34611
c = 62.90658
d = 0.65519

Bead 3096

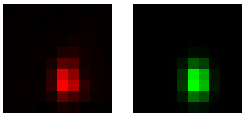
Date : Mon Oct 17 13:30:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

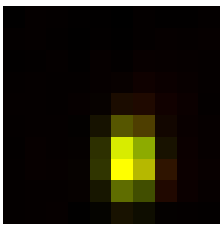
Coordinates : -14.7 um (x), 13.3 um (y), 63.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	375 nm	388 nm	223 nm
max	536 nm	554 nm	223 nm
z	1.44 um	1.45 um	885 nm
Asymmetry	0.7		
Theta	89.9°		

XY profile & fitting parameters :

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

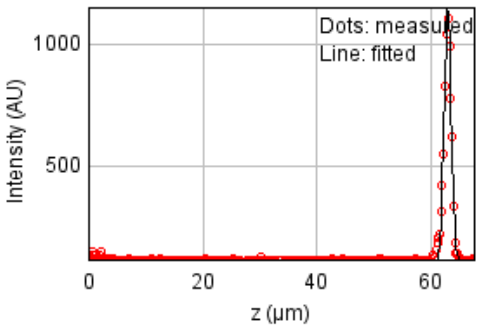




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1186.665 (brightness)
B = 124.573 (background)
a = 0.953 px
b = 0.001 px
c = 0.467 px
xc = 5.329 px
yc = 6.584 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45482.6593
Standard deviation: 12.17177
R^2: 0.99139
Parameters:
a = 115.21896
b = 1163.17377
c = 63.00232
d = 0.61151

Bead 3097 (Rejected)

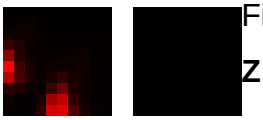
Date : Mon Oct 17 13:30:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -8.14 um (x), -45.5 um (y), 63.5 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.11 um	1.11 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

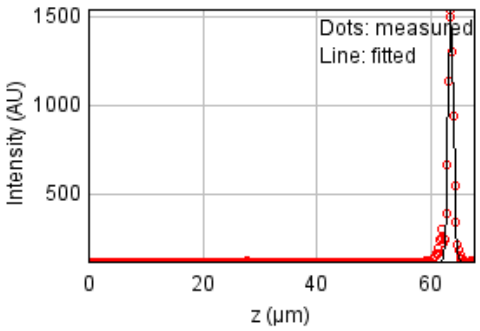
XY profile & fitting parameters :

(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: 124805.921
Standard deviation: 20.16269
R^2: 0.98383
Parameters:
a = 117.04941
b = 1549.43144
c = 63.52722
d = 0.47106

Bead 3098 (Rejected)

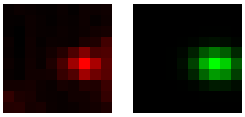
Date : Mon Oct 17 13:30:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

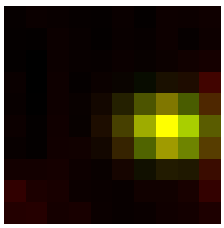
Coordinates : -8.54 um (x), -45.8 um (y), 64.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	461 nm	477 nm	223 nm
max	669 nm	691 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.689		
Theta	-4.2°		

XY profile & fitting parameters :

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

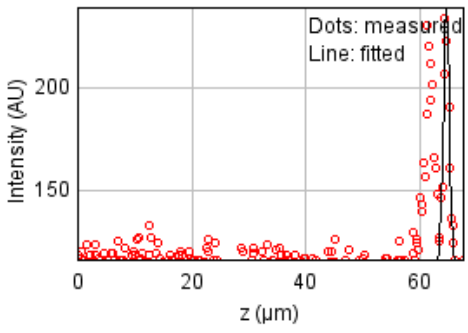




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.921

Parameters:
A = 345.909 (brightness)
B = 119.954 (background)
a = 0.302 px
b = -0.024 px
c = 0.630 px
xc = 7.163 px
yc = 5.110 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 76390.8464
Standard deviation: 15.77435
R^2: 0.42903
Parameters:
a = 116.43198
b = 238.26111
c = 64.67051
d = 0.49273

Bead 3099

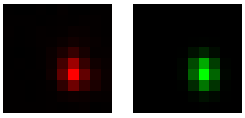
Date : Mon Oct 17 13:30:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

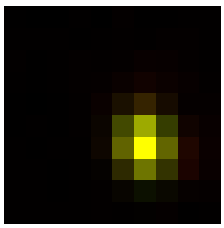
Coordinates : 82.3 um (x), -91.5 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	376 nm	389 nm	223 nm
max	478 nm	495 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.787		
Theta	-81.5°		

XY profile & fitting parameters :

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

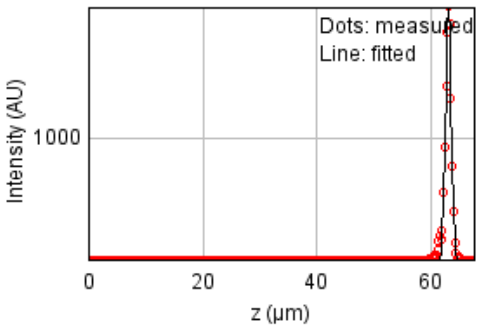




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1794.598 (brightness)
B = 131.717 (background)
a = 0.939 px
b = -0.053 px
c = 0.594 px
xc = 5.997 px
yc = 5.841 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 94064.7456
Standard deviation: 17.50428
R^2: 0.99305
Parameters:
a = 115.08275
b = 1949.68013
c = 63.11379
d = 0.50952

Bead 3100

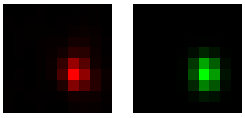
Date : Mon Oct 17 13:30:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

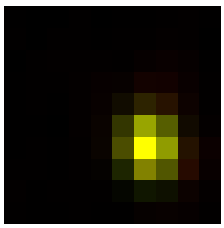
Coordinates : 70.4 um (x), -91.1 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	411 nm	223 nm
max	494 nm	510 nm	223 nm
z	1.3 um	1.31 um	885 nm
Asymmetry	0.805		
Theta	-82.5°		

XY profile & fitting parameters :

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

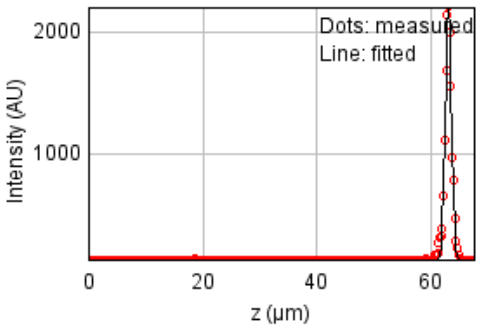




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 2087.809 (brightness)
B = 132.939 (background)
a = 0.844 px
b = -0.039 px
c = 0.556 px
xc = 6.203 px
yc = 5.907 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 128757.668
Standard deviation: 20.47941
R^2: 0.99323
Parameters:
a = 115.05906
b = 2204.73829
c = 63.12140
d = 0.55326