Bead 2301

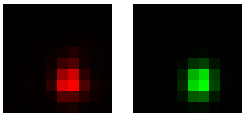
Date : Mon Oct 17 13:29:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

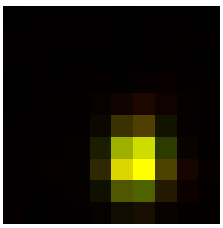
Coordinates : -15.9 um (x), 15.7 um (y), 50.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	432 nm	223 nm
max	494 nm	511 nm	223 nm
z	1.21 um	1.21 um	885 nm
Asymmetry	0.845		
Theta	83.3°		

XY profile & fitting parameters :

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

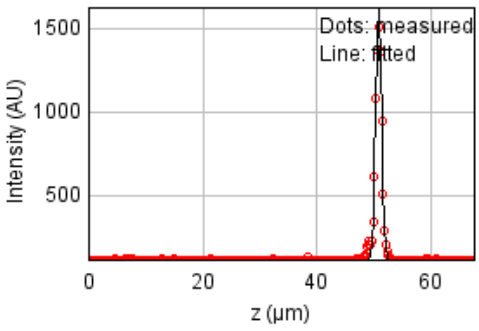




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1761.305 (brightness)
B = 125.332 (background)
a = 0.766 px
b = 0.025 px
c = 0.553 px
xc = 5.627 px
yc = 6.652 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 75972.0927
Standard deviation: 15.73106
R^2: 0.99198
Parameters:
a = 116.75552
b = 1644.51070
c = 50.89921
d = 0.51355

Bead 2302

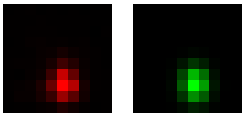
Date : Mon Oct 17 13:29:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

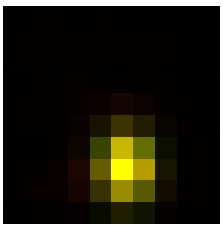
Coordinates : -73.9 um (x), 12.6 um (y), 51.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	435 nm	223 nm
max	536 nm	554 nm	223 nm
z	1.3 um	1.31 um	885 nm
Asymmetry	0.785		
Theta	-86.7°		

XY profile & fitting parameters :

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

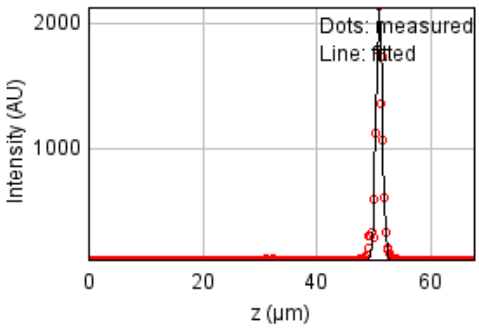




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.989

Parameters:
A = 2155.699 (brightness)
B = 124.509 (background)
a = 0.757 px
b = -0.017 px
c = 0.468 px
xc = 5.176 px
yc = 6.866 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 599698.638
Standard deviation: 44.19746
R^2: 0.96688
Parameters:
a = 117.00630
b = 2128.05305
c = 50.98889
d = 0.55335

Bead 2303

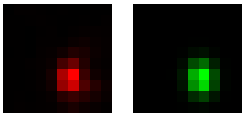
Date : Mon Oct 17 13:29:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

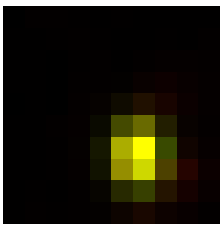
Coordinates : 9.4 um (x), -23.4 um (y), 51.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	419 nm	223 nm
max	507 nm	524 nm	223 nm
z	1.1 um	1.1 um	885 nm
Asymmetry	0.8		
Theta	-86.8°		

XY profile & fitting parameters :

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

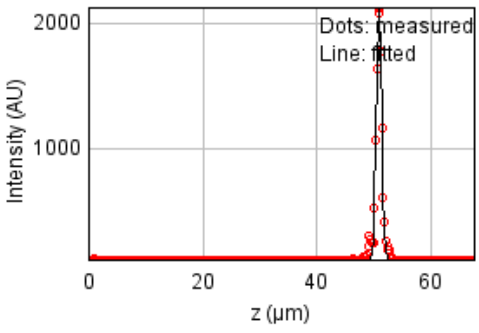




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 2140.996 (brightness)
B = 134.028 (background)
a = 0.816 px
b = -0.016 px
c = 0.523 px
xc = 5.745 px
yc = 6.332 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 161191.099
Standard deviation: 22.91402
R^2: 0.98961
Parameters:
a = 117.30709
b = 2163.13939
c = 50.95410
d = 0.46690

Bead 2304

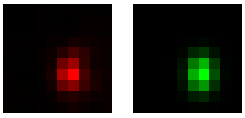
Date : Mon Oct 17 13:29:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

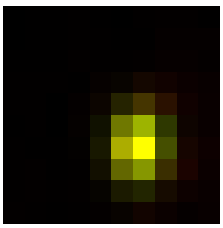
Coordinates : 77.8 um (x), -31.7 um (y), 50.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	428 nm	223 nm
max	554 nm	573 nm	223 nm
z	1.71 um	1.72 um	885 nm
Asymmetry	0.747		
Theta	89.0°		

XY profile & fitting parameters :

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

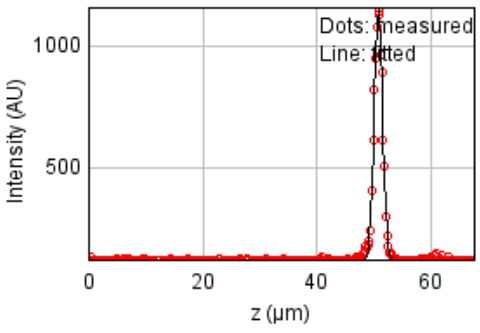




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

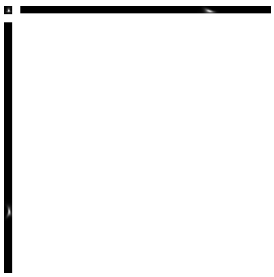
Parameters:
A = 1523.052 (brightness)
B = 129.847 (background)
a = 0.784 px
b = 0.006 px
c = 0.438 px
xc = 5.750 px
yc = 5.902 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 39367.8202
Standard deviation: 11.32404
R^2: 0.99365
Parameters:
a = 114.99458
b = 1160.42610
c = 50.85218
d = 0.72785

Bead 2305



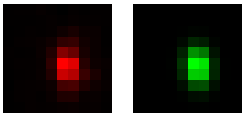
Date : Mon Oct 17 13:29:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

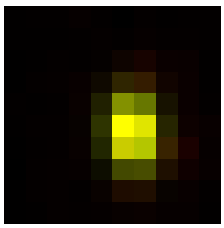
Coordinates : 7.36 um (x), -40.1 um (y), 50.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	409 nm	223 nm
max	583 nm	603 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.678		
Theta	-84.8°		

XY profile & fitting parameters :

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

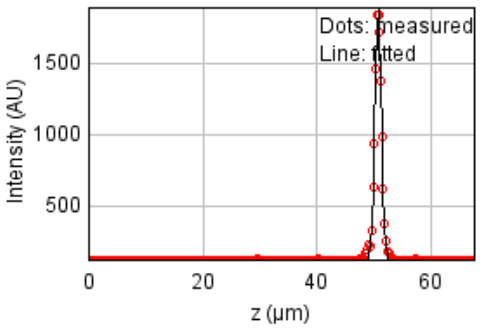




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 1976.490 (brightness)
B = 131.017 (background)
a = 0.855 px
b = -0.042 px
c = 0.398 px
xc = 5.448 px
yc = 5.261 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66427.5676
Standard deviation: 14.70974
R^2: 0.99518
Parameters:
a = 115.10074
b = 1887.33914
c = 50.81173
d = 0.55793

Bead 2306

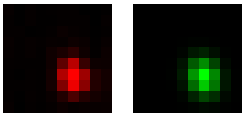
Date : Mon Oct 17 13:29:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

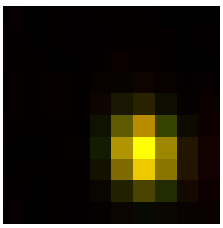
Coordinates : 144 um (x), -77.9 um (y), 50.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	472 nm	488 nm	223 nm
max	574 nm	593 nm	223 nm
z	1.45 um	1.45 um	885 nm
Asymmetry	0.822		
Theta	-74.7°		

XY profile & fitting parameters :

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

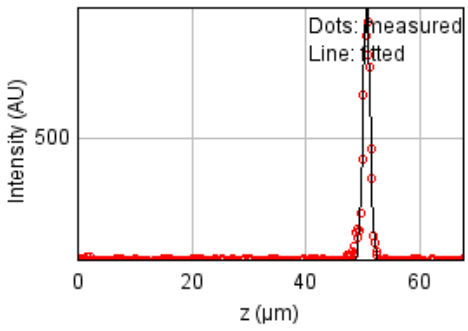




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 858.876 (brightness)
B = 112.908 (background)
a = 0.589 px
b = -0.050 px
c = 0.421 px
xc = 5.975 px
yc = 6.215 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 96350.7605
Standard deviation: 17.71570
R^2: 0.97089
Parameters:
a = 111.00782
b = 929.76046
c = 50.71029
d = 0.61483

Bead 2307

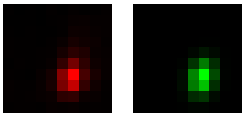
Date : Mon Oct 17 13:29:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

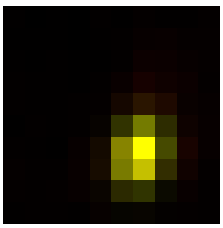
Coordinates : -147 um (x), -88.3 um (y), 50.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	371 nm	384 nm	223 nm
max	525 nm	543 nm	223 nm
z	1.2 um	1.21 um	885 nm
Asymmetry	0.707		
Theta	77.1°		

XY profile & fitting parameters :

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

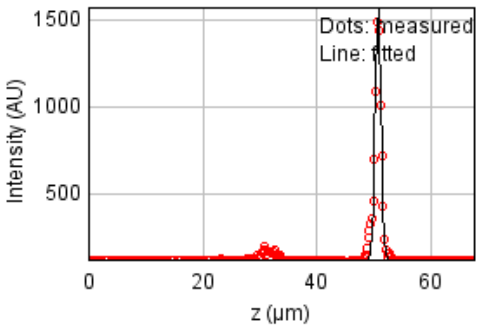




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

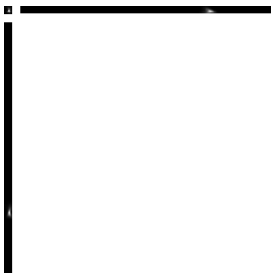
Parameters:
A = 1557.748 (brightness)
B = 128.195 (background)
a = 0.949 px
b = 0.106 px
c = 0.510 px
xc = 5.819 px
yc = 6.256 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 166090.982
Standard deviation: 23.25969
R^2: 0.98072
Parameters:
a = 117.81740
b = 1570.10331
c = 50.79949
d = 0.51074

Bead 2308



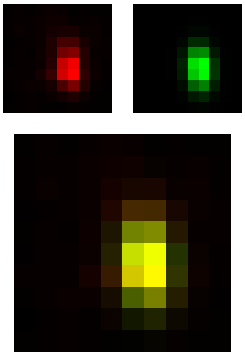
Date : Mon Oct 17 13:29:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -122 um (x), 94.5 um (y), 51.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	400 nm	223 nm
max	651 nm	673 nm	223 nm
z	1.3 um	1.31 um	885 nm
Asymmetry	0.594		
Theta	-86.0°		

XY profile & fitting parameters :

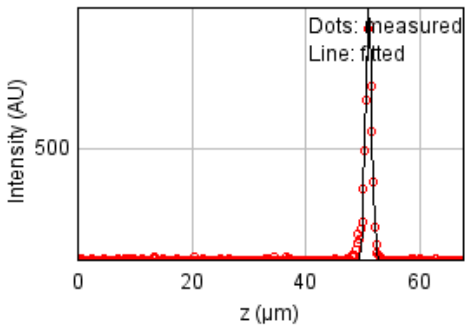
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1151.428 (brightness)
B = 129.273 (background)
a = 0.895 px
b = -0.040 px
c = 0.319 px
xc = 5.595 px
yc = 5.405 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45641.3589
Standard deviation: 12.19299
R^2: 0.98624
Parameters:
a = 113.55879
b = 983.64820
c = 51.05908
d = 0.55226

Bead 2309 (Rejected)

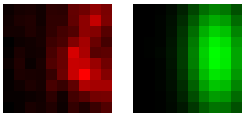
Date : Mon Oct 17 13:29:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

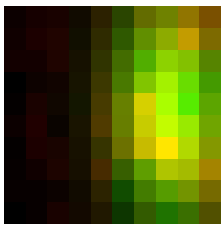
Coordinates : 25.4 um (x), 68.3 um (y), 49.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	977 nm	1.01 um	223 nm
max	1.93 um	2.0 um	223 nm
z	1.17 um	1.17 um	885 nm
Asymmetry	0.506		
Theta	-88.3°		

XY profile & fitting parameters :

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

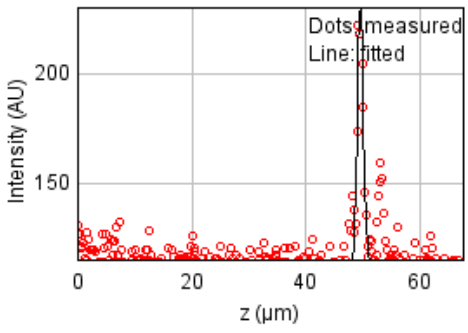




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.796

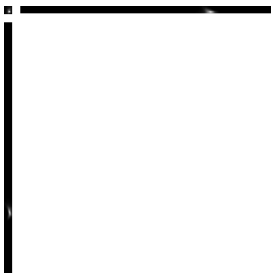
Parameters:
A = 118.608 (brightness)
B = 109.006 (background)
a = 0.140 px
b = -0.003 px
c = 0.036 px
xc = 7.231 px
yc = 4.337 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19240.3761
Standard deviation: 7.91658
R^2: 0.73680
Parameters:
a = 114.84973
b = 232.39766
c = 49.62276
d = 0.49673

Bead 2310



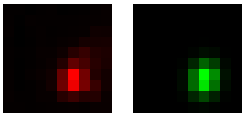
Date : Mon Oct 17 13:29:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

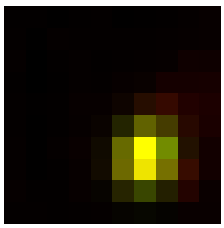
Coordinates : 124 um (x), 62.4 um (y), 51.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	435 nm	223 nm
max	506 nm	523 nm	223 nm
z	1.41 um	1.41 um	885 nm
Asymmetry	0.831		
Theta	76.0°		

XY profile & fitting parameters :

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

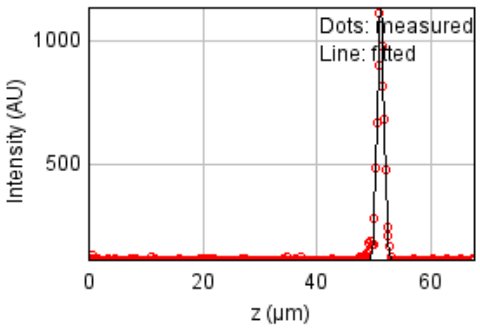




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

Parameters:
A = 1138.584 (brightness)
B = 129.292 (background)
a = 0.745 px
b = 0.055 px
c = 0.538 px
xc = 6.065 px
yc = 6.388 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46219.2617
Standard deviation: 12.26994
R^2: 0.99064
Parameters:
a = 112.85505
b = 1137.05986
c = 51.23625
d = 0.59751

Bead 2311

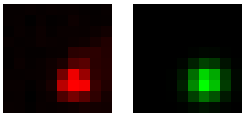
Date : Mon Oct 17 13:29:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

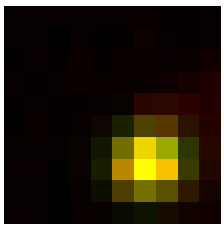
Coordinates : 140 um (x), 34.8 um (y), 51.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	514 nm	531 nm	223 nm
max	550 nm	569 nm	223 nm
z	1.63 um	1.64 um	885 nm
Asymmetry	0.934		
Theta	22.3°		

XY profile & fitting parameters :

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

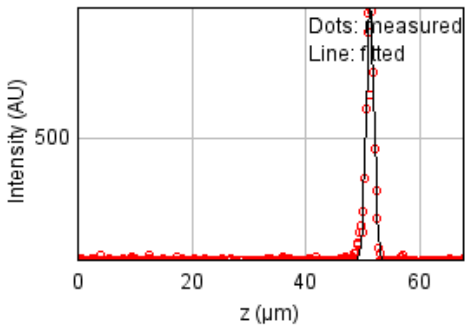




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 603.206 (brightness)
B = 114.589 (background)
a = 0.453 px
b = 0.023 px
c = 0.499 px
xc = 6.207 px
yc = 6.671 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 161640.354
Standard deviation: 22.94593
R^2: 0.95559
Parameters:
a = 111.53678
b = 916.13516
c = 51.32176
d = 0.69198

Bead 2312

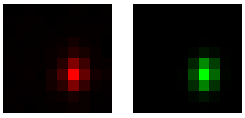
Date : Mon Oct 17 13:29:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

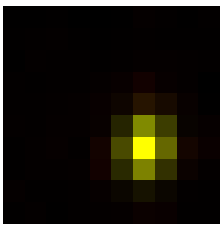
Coordinates : -147 um (x), 2.87 um (y), 51.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	352 nm	364 nm	223 nm
max	457 nm	472 nm	223 nm
z	1.15 um	1.15 um	885 nm
Asymmetry	0.771		
Theta	84.2°		

XY profile & fitting parameters :

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

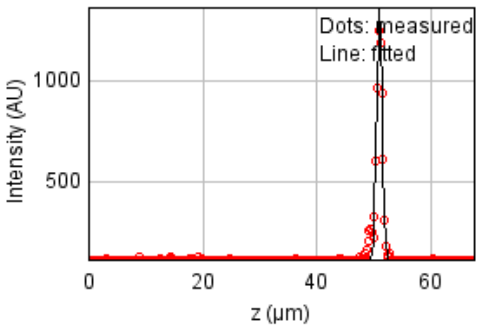




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

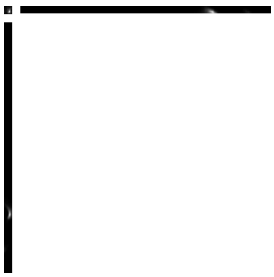
Parameters:
A = 1233.942 (brightness)
B = 124.966 (background)
a = 1.077 px
b = 0.044 px
c = 0.647 px
xc = 6.080 px
yc = 5.971 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 92069.5465
Standard deviation: 17.31764
R^2: 0.98475
Parameters:
a = 113.80453
b = 1359.52711
c = 51.02744
d = 0.48813

Bead 2313



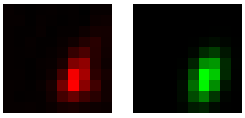
Date : Mon Oct 17 13:29:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

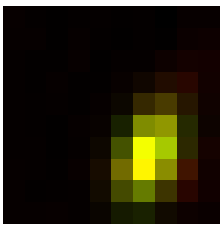
Coordinates : 43.8 um (x), 54.9 um (y), 51.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	438 nm	223 nm
max	711 nm	735 nm	223 nm
z	1.42 um	1.43 um	885 nm
Asymmetry	0.595		
Theta	69.8°		

XY profile & fitting parameters :

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

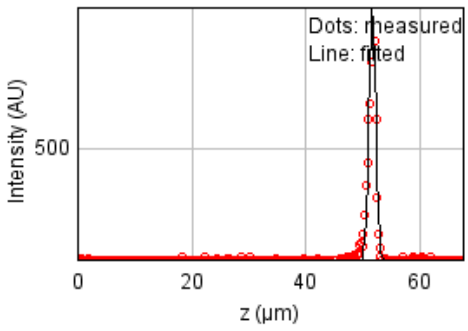




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 956.531 (brightness)
B = 124.814 (background)
a = 0.691 px
b = 0.157 px
c = 0.323 px
xc = 6.256 px
yc = 6.310 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 108490.194
Standard deviation: 18.79862
R^2: 0.97109
Parameters:
a = 115.03557
b = 994.09785
c = 51.71201
d = 0.60445

Bead 2314

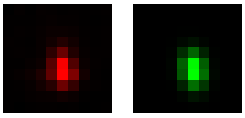
Date : Mon Oct 17 13:29:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

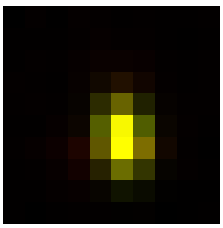
Coordinates : -94.8 um (x), 47.6 um (y), 51.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	371 nm	384 nm	223 nm
max	555 nm	573 nm	223 nm
z	1.35 um	1.35 um	885 nm
Asymmetry	0.669		
Theta	-83.4°		

XY profile & fitting parameters :

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

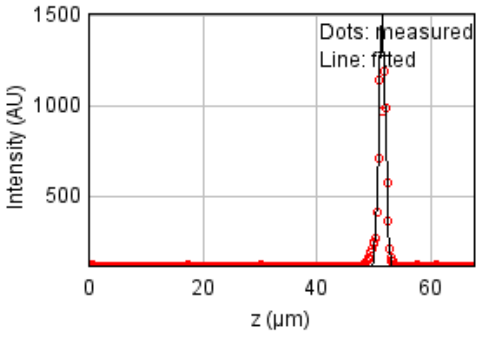




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1768.599 (brightness)
B = 128.325 (background)
a = 0.968 px
b = -0.061 px
c = 0.443 px
xc = 5.031 px
yc = 5.542 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 370232.168
Standard deviation: 34.72705
R^2: 0.95912
Parameters:
a = 115.48408
b = 1509.12054
c = 51.49313
d = 0.57220

Bead 2315

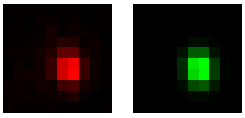
Date : Mon Oct 17 13:29:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

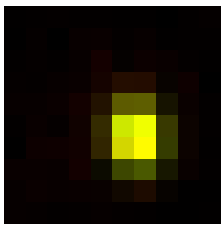
Coordinates : -144 um (x), 24.5 um (y), 50.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	515 nm	532 nm	223 nm
z	1.33 um	1.34 um	885 nm
Asymmetry	0.794		
Theta	-83.3°		

XY profile & fitting parameters :

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

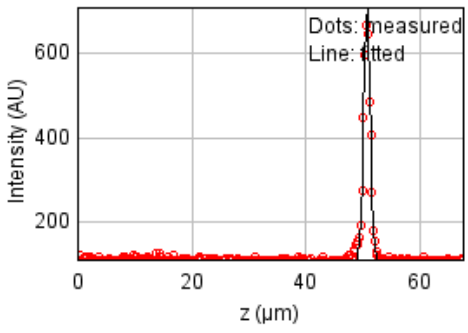




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

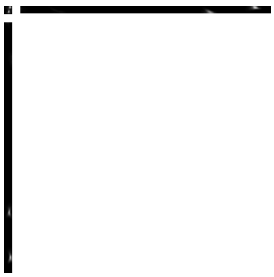
Parameters:
A = 790.007 (brightness)
B = 120.956 (background)
a = 0.798 px
b = -0.034 px
c = 0.510 px
xc = 5.579 px
yc = 5.456 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22314.9293
Standard deviation: 8.52567
R^2: 0.98601
Parameters:
a = 110.96066
b = 707.51245
c = 50.77748
d = 0.56512

Bead 2316



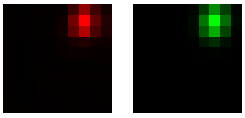
Date : Mon Oct 17 13:29:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

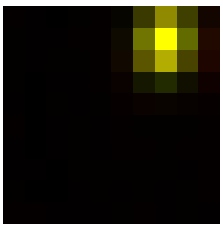
Coordinates : -117 um (x), 24.8 um (y), 63.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	414 nm	223 nm
max	518 nm	535 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.774		
Theta	82.7°		

XY profile & fitting parameters :

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

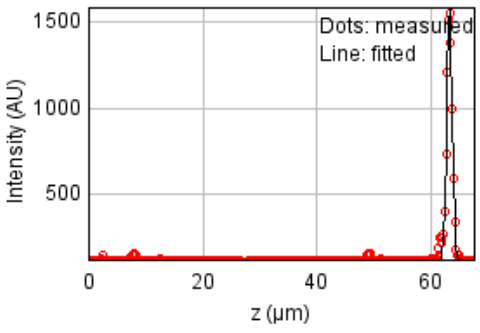




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1448.102 (brightness)
B = 113.386 (background)
a = 0.831 px
b = 0.042 px
c = 0.506 px
xc = 6.970 px
yc = 1.116 px

Z profile & fitting parameters:



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

Bead 2317

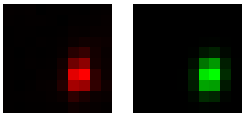
Date : Mon Oct 17 13:29:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

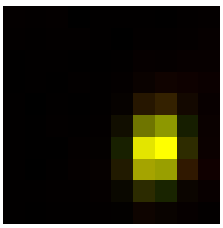
Coordinates : -7.14 um (x), 21.1 um (y), 51.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	377 nm	389 nm	223 nm
max	524 nm	542 nm	223 nm
z	1.01 um	1.01 um	885 nm
Asymmetry	0.719		
Theta	80.8°		

XY profile & fitting parameters :

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

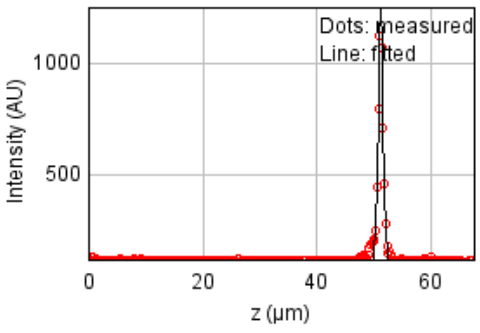




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.987

Parameters:
A = 1375.418 (brightness)
B = 119.748 (background)
a = 0.934 px
b = 0.072 px
c = 0.500 px
xc = 6.553 px
yc = 6.087 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 48725.1361
Standard deviation: 12.59817
R^2: 0.98883
Parameters:
a = 115.02281
b = 1247.10124
c = 51.24475
d = 0.42733

Bead 2318

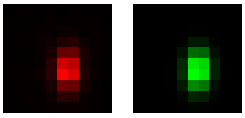
Date : Mon Oct 17 13:29:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

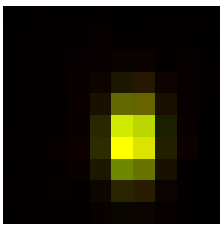
Coordinates : -55.8 um (x), 10.4 um (y), 51.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	393 nm	223 nm
max	612 nm	633 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.621		
Theta	88.3°		

XY profile & fitting parameters :

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

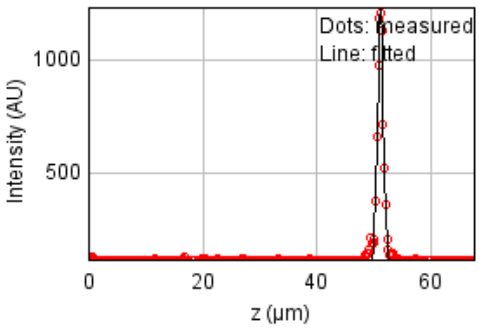




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

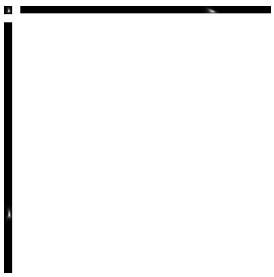
Parameters:
A = 1723.489 (brightness)
B = 130.939 (background)
a = 0.928 px
b = 0.017 px
c = 0.358 px
xc = 5.443 px
yc = 5.601 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53934.4871
Standard deviation: 13.25452
R^2: 0.98929
Parameters:
a = 114.56696
b = 1237.13845
c = 51.20045
d = 0.50377

Bead 2319



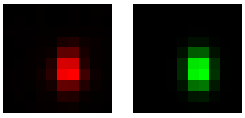
Date : Mon Oct 17 13:29:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

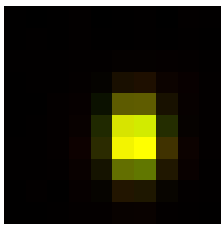
Coordinates : -37.9 um (x), -9.15 um (y), 51.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	413 nm	223 nm
max	561 nm	580 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.713		
Theta	-88.8°		

XY profile & fitting parameters :

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

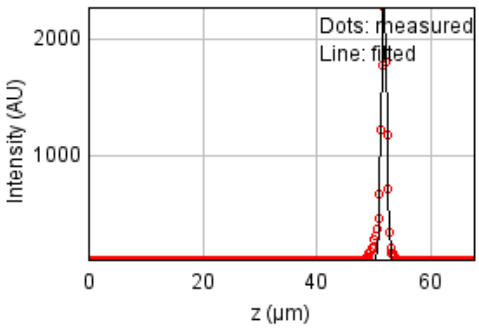




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

Parameters:
A = 2655.943 (brightness)
B = 129.654 (background)
a = 0.841 px
b = -0.009 px
c = 0.427 px
xc = 5.523 px
yc = 5.590 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 198359.449
Standard deviation: 25.41893
R^2: 0.98930
Parameters:
a = 117.63665
b = 2321.11311
c = 51.80731
d = 0.48096

Bead 2320

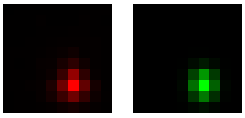
Date : Mon Oct 17 13:29:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

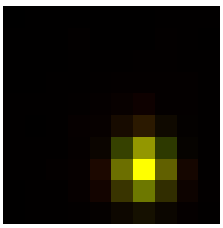
Coordinates : -68.2 um (x), -14.5 um (y), 51.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	458 nm	474 nm	223 nm
z	1.18 um	1.18 um	885 nm
Asymmetry	0.838		
Theta	89.8°		

XY profile & fitting parameters :

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

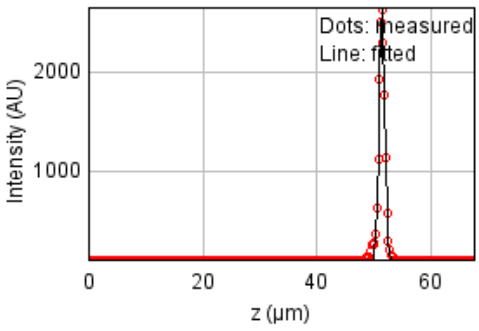




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

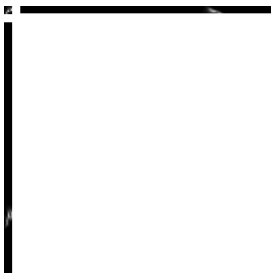
Parameters:
A = 2459.781 (brightness)
B = 132.069 (background)
a = 0.910 px
b = 0.001 px
c = 0.639 px
xc = 5.960 px
yc = 6.911 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 115315.642
Standard deviation: 19.38094
R^2: 0.99545
Parameters:
a = 116.39680
b = 2651.96370
c = 51.46059
d = 0.50048

Bead 2321 (Rejected)



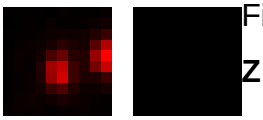
Date : Mon Oct 17 13:29:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 114 um (x), -55.7 um (y), 51.7 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

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

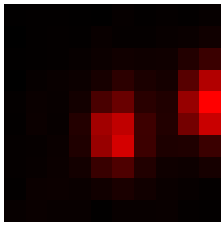
XY profile & fitting parameters :

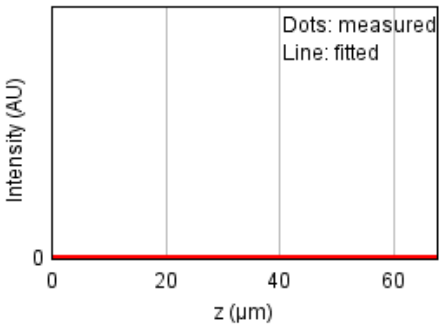
(red : the orignal data, green : the fit, yellow : the two merged)



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

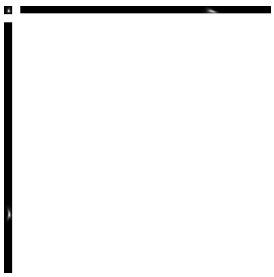
Z profile & fitting parameters:





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

Bead 2322



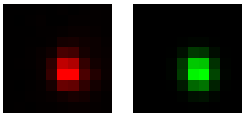
Date : Mon Oct 17 13:29:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

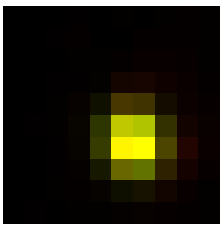
Coordinates : 86.8 um (x), -62.2 um (y), 51.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	442 nm	457 nm	223 nm
max	505 nm	522 nm	223 nm
z	1.56 um	1.57 um	885 nm
Asymmetry	0.876		
Theta	-77.4°		

XY profile & fitting parameters :

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

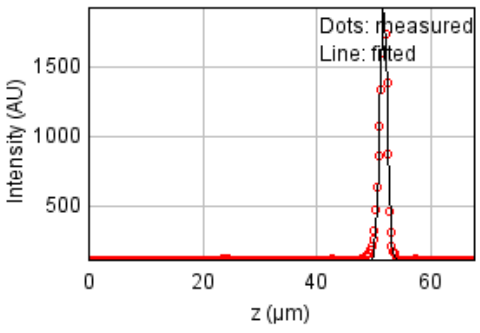




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

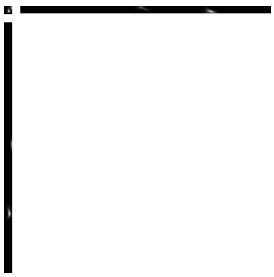
Parameters:
A = 2227.077 (brightness)
B = 133.702 (background)
a = 0.678 px
b = -0.034 px
c = 0.533 px
xc = 5.518 px
yc = 5.721 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 237820.743
Standard deviation: 27.83272
R^2: 0.98614
Parameters:
a = 114.29490
b = 1924.14085
c = 51.75302
d = 0.66419

Bead 2323



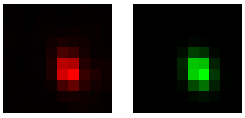
Date : Mon Oct 17 13:29:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

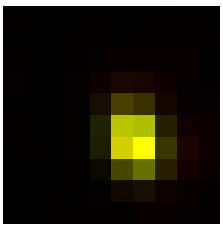
Coordinates : 106 um (x), -67.5 um (y), 51.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	395 nm	223 nm
max	511 nm	528 nm	223 nm
z	1.58 um	1.59 um	885 nm
Asymmetry	0.748		
Theta	-71.9°		

XY profile & fitting parameters :

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

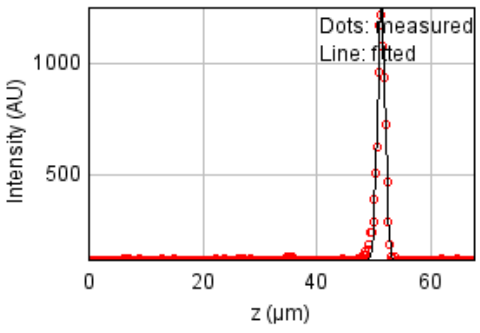




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 1549.462 (brightness)
B = 129.347 (background)
a = 0.880 px
b = -0.120 px
c = 0.553 px
xc = 5.576 px
yc = 5.668 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 64697.8426
Standard deviation: 14.51696
R^2: 0.99074
Parameters:
a = 112.89334
b = 1263.41892
c = 51.35277
d = 0.67297

Bead 2324

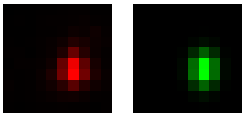
Date : Mon Oct 17 13:29:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

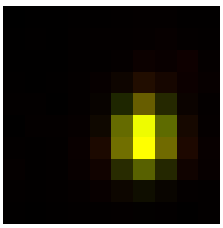
Coordinates : -133 um (x), -82.8 um (y), 51.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	521 nm	539 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.759		
Theta	88.4°		

XY profile & fitting parameters :

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

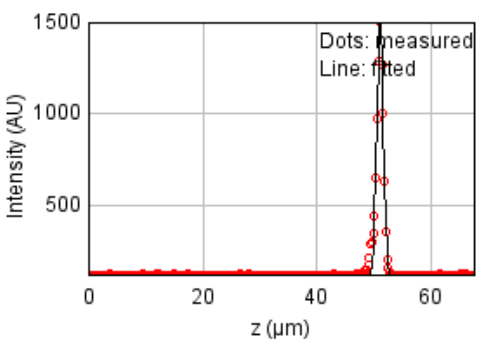




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

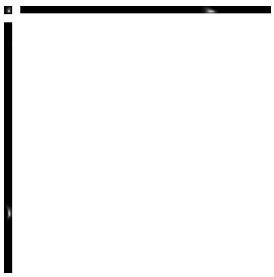
Parameters:
A = 1507.499 (brightness)
B = 130.605 (background)
a = 0.856 px
b = 0.010 px
c = 0.494 px
xc = 5.994 px
yc = 5.515 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 84265.4459
Standard deviation: 16.56745
R^2: 0.99053
Parameters:
a = 113.15065
b = 1522.23991
c = 51.13476
d = 0.56778

Bead 2325



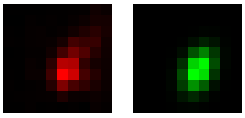
Date : Mon Oct 17 13:29:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

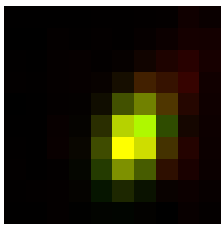
Coordinates : 121 um (x), 88.5 um (y), 51.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	439 nm	223 nm
max	653 nm	675 nm	223 nm
z	1.81 um	1.81 um	885 nm
Asymmetry	0.651		
Theta	66.8°		

XY profile & fitting parameters :

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

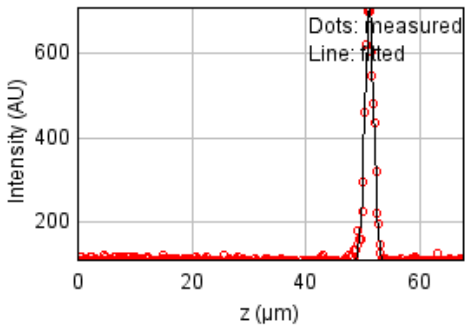




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.917

Parameters:
A = 826.066 (brightness)
B = 129.368 (background)
a = 0.678 px
b = 0.155 px
c = 0.381 px
xc = 5.495 px
yc = 5.557 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 39637.9431
Standard deviation: 11.36283
R^2: 0.98167
Parameters:
a = 110.92959
b = 709.15472
c = 51.18062
d = 0.76712

Bead 2326

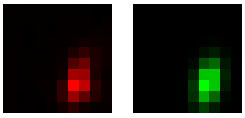
Date : Mon Oct 17 13:29:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

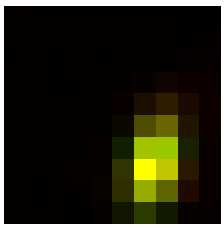
Coordinates : -8.71 um (x), 70.2 um (y), 51.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	375 nm	387 nm	223 nm
max	663 nm	686 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.565		
Theta	77.5°		

XY profile & fitting parameters :

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

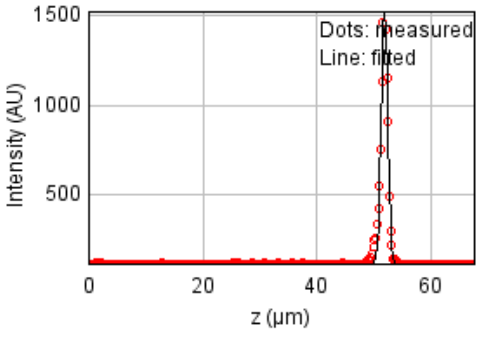




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 1481.957 (brightness)
B = 128.031 (background)
a = 0.925 px
b = 0.138 px
c = 0.336 px
xc = 6.402 px
yc = 6.740 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 103504.249
Standard deviation: 18.36157
R^2: 0.98863
Parameters:
a = 116.68042
b = 1520.61052
c = 51.91845
d = 0.58473

Bead 2327 (Rejected)

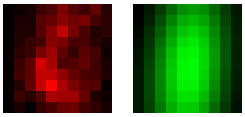
Date : Mon Oct 17 13:29:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

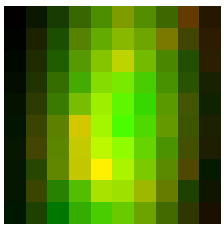
Coordinates : 25.4 um (x), 68.3 um (y), 49.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	1.25 um	1.29 um	223 nm
max	2.97 um	3.07 um	223 nm
z	1.17 um	1.17 um	885 nm
Asymmetry	0.42		
Theta	85.4°		

XY profile & fitting parameters :

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

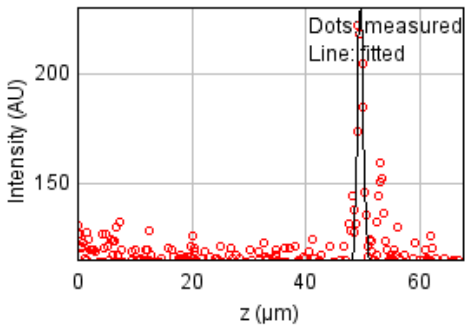




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.724

Parameters:
A = 108.096 (brightness)
B = 104.377 (background)
a = 0.085 px
b = 0.006 px
c = 0.016 px
xc = 4.630 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: 19240.3761
Standard deviation: 7.91658
R^2: 0.73680
Parameters:
a = 114.84973
b = 232.39766
c = 49.62276
d = 0.49673

Bead 2328

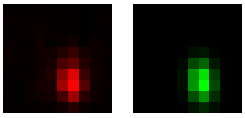
Date : Mon Oct 17 13:29:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

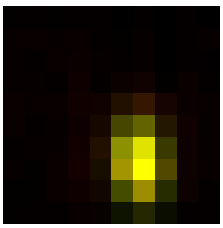
Coordinates : -145 um (x), 62.6 um (y), 51.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	621 nm	642 nm	223 nm
z	1.47 um	1.48 um	885 nm
Asymmetry	0.619		
Theta	-85.5°		

XY profile & fitting parameters :

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

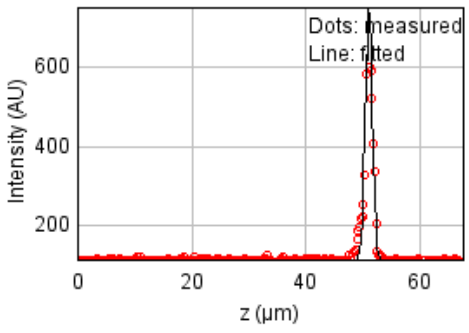




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 745.642 (brightness)
B = 119.543 (background)
a = 0.904 px
b = -0.044 px
c = 0.351 px
xc = 5.779 px
yc = 6.639 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 97782.6649
Standard deviation: 17.84686
R^2: 0.95365
Parameters:
a = 111.61780
b = 753.96836
c = 51.09782
d = 0.62575

Bead 2329

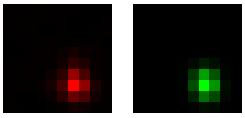
Date : Mon Oct 17 13:29:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

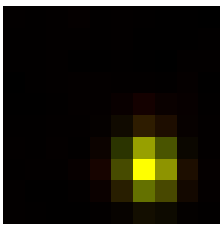
Coordinates : -64.0 um (x), 50.2 um (y), 51.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	460 nm	476 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.839		
Theta	-79.5°		

XY profile & fitting parameters :

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

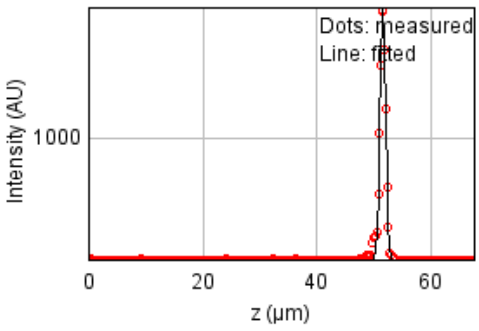




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

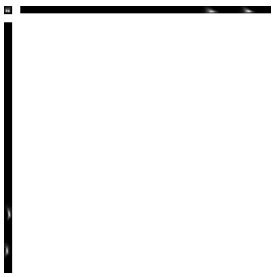
Parameters:
A = 1800.926 (brightness)
B = 131.823 (background)
a = 0.890 px
b = -0.048 px
c = 0.642 px
xc = 6.185 px
yc = 6.877 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 107609.794
Standard deviation: 18.72219
R^2: 0.99201
Parameters:
a = 115.72580
b = 1977.38009
c = 51.61306
d = 0.49089

Bead 2330



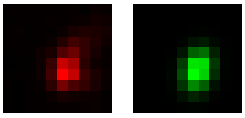
Date : Mon Oct 17 13:29:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

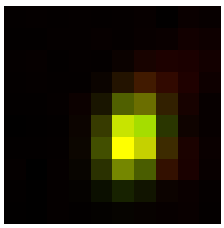
Coordinates : 99.5 um (x), 47.4 um (y), 51.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	434 nm	448 nm	223 nm
max	616 nm	637 nm	223 nm
z	1.61 um	1.62 um	885 nm
Asymmetry	0.704		
Theta	75.7°		

XY profile & fitting parameters :

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

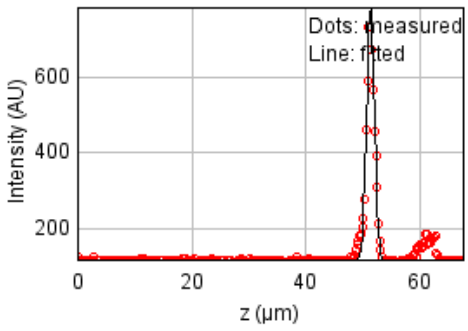




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 900.858 (brightness)
B = 127.048 (background)
a = 0.691 px
b = 0.086 px
c = 0.376 px
xc = 5.407 px
yc = 5.559 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 82308.7296
Standard deviation: 16.37396
R^2: 0.96701
Parameters:
a = 116.33878
b = 789.50407
c = 51.38548
d = 0.68536

Bead 2331

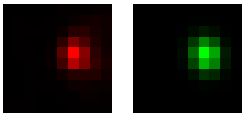
Date : Mon Oct 17 13:29:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

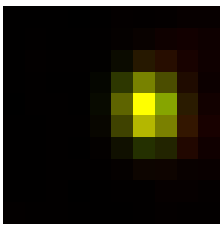
Coordinates : 82.8 um (x), -6.42 um (y), 45.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	438 nm	453 nm	223 nm
max	520 nm	537 nm	223 nm
z	1.4 um	1.41 um	885 nm
Asymmetry	0.843		
Theta	-78.4°		

XY profile & fitting parameters :

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

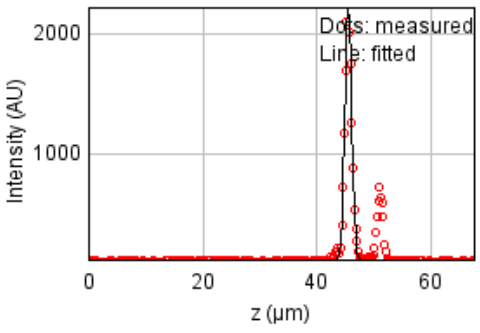




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 2072.116 (brightness)
B = 141.647 (background)
a = 0.691 px
b = -0.040 px
c = 0.505 px
xc = 6.193 px
yc = 4.186 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1625208.70
Standard deviation: 72.75878
R^2: 0.92559
Parameters:
a = 129.44383
b = 2216.73176
c = 45.56653
d = 0.59441

Bead 2332

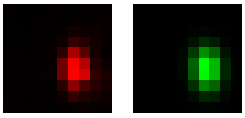
Date : Mon Oct 17 13:29:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

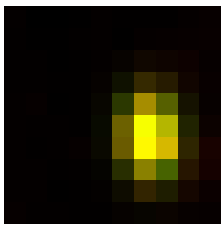
Coordinates : 11.5 um (x), -60.6 um (y), 51.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	453 nm	469 nm	223 nm
max	656 nm	678 nm	223 nm
z	1.37 um	1.37 um	885 nm
Asymmetry	0.691		
Theta	-86.8°		

XY profile & fitting parameters :

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

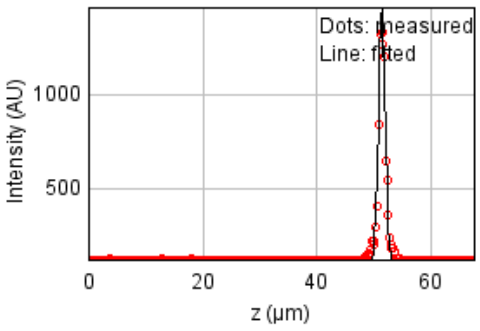




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

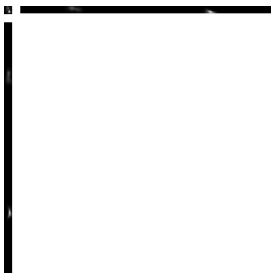
Parameters:
A = 1442.628 (brightness)
B = 119.675 (background)
a = 0.652 px
b = -0.019 px
c = 0.313 px
xc = 6.253 px
yc = 5.470 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 286107.924
Standard deviation: 30.52782
R^2: 0.96713
Parameters:
a = 114.16220
b = 1476.00453
c = 51.43480
d = 0.58100

Bead 2333



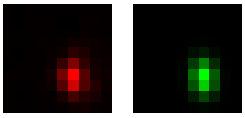
Date : Mon Oct 17 13:29:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

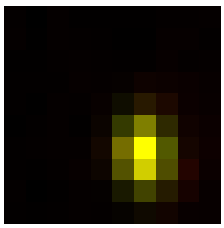
Coordinates : 81.6 um (x), -79.3 um (y), 51.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	387 nm	223 nm
max	544 nm	562 nm	223 nm
z	1.18 um	1.18 um	885 nm
Asymmetry	0.688		
Theta	-85.8°		

XY profile & fitting parameters :

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

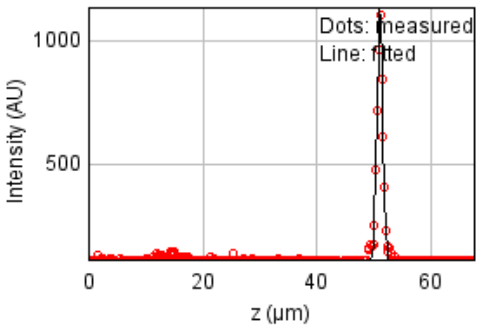




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1073.447 (brightness)
B = 123.434 (background)
a = 0.954 px
b = -0.037 px
c = 0.456 px
xc = 5.957 px
yc = 6.262 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47268.3401
Standard deviation: 12.40841
R^2: 0.98872
Parameters:
a = 115.85695
b = 1143.19840
c = 51.10542
d = 0.50046

Bead 2334

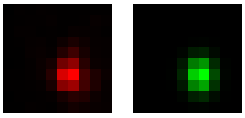
Date : Mon Oct 17 13:29:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

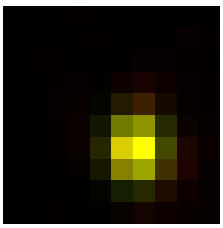
Coordinates : 71.6 um (x), -93.7 um (y), 51.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	428 nm	442 nm	223 nm
max	523 nm	541 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.817		
Theta	-86.8°		

XY profile & fitting parameters :

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

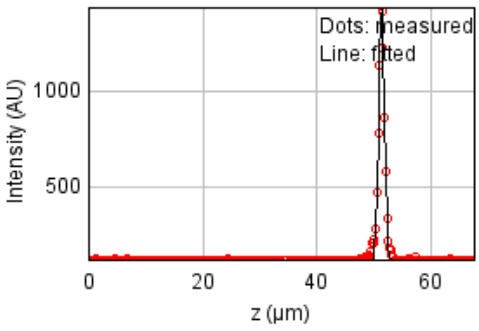




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 1414.760 (brightness)
B = 126.649 (background)
a = 0.733 px
b = -0.014 px
c = 0.491 px
xc = 5.650 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: 43990.5749
Standard deviation: 11.97045
R^2: 0.99387
Parameters:
a = 114.36682
b = 1458.04346
c = 51.40056
d = 0.50400

Bead 2335

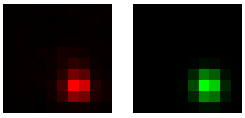
Date : Mon Oct 17 13:29:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

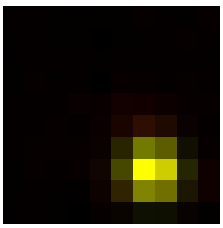
Coordinates : -155 um (x), 81.2 um (y), 51.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	436 nm	223 nm
max	441 nm	456 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.956		
Theta	-64.2°		

XY profile & fitting parameters :

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

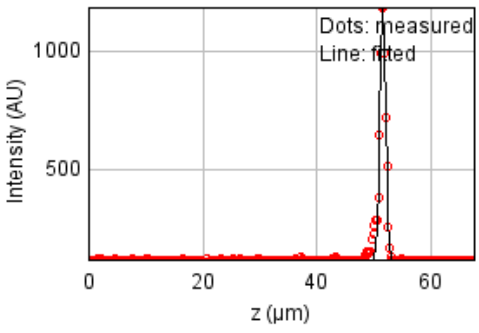




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

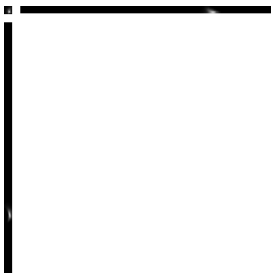
Parameters:
A = 1158.571 (brightness)
B = 121.589 (background)
a = 0.743 px
b = -0.025 px
c = 0.703 px
xc = 6.353 px
yc = 7.040 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 81589.6103
Standard deviation: 16.30228
R^2: 0.98297
Parameters:
a = 113.43617
b = 1202.19128
c = 51.60576
d = 0.50654

Bead 2336



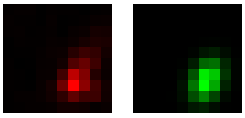
Date : Mon Oct 17 13:29:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

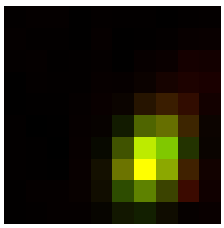
Coordinates : 114 um (x), 79.1 um (y), 51.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	451 nm	466 nm	223 nm
max	645 nm	667 nm	223 nm
z	1.53 um	1.53 um	885 nm
Asymmetry	0.698		
Theta	65.6°		

XY profile & fitting parameters :

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

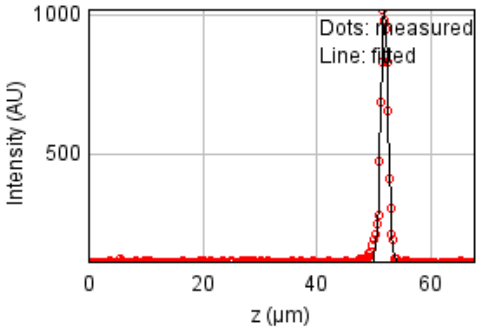




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.919

Parameters:
A = 776.766 (brightness)
B = 124.678 (background)
a = 0.603 px
b = 0.127 px
c = 0.380 px
xc = 6.255 px
yc = 6.525 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41420.4109
Standard deviation: 11.61550
R^2: 0.99017
Parameters:
a = 112.28701
b = 1021.01732
c = 51.89835
d = 0.64899

Bead 2337

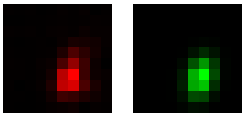
Date : Mon Oct 17 13:29:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

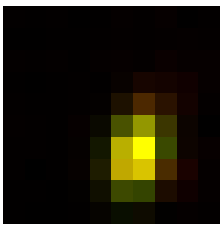
Coordinates : 13.6 um (x), 49.0 um (y), 51.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	411 nm	223 nm
max	603 nm	623 nm	223 nm
z	1.08 um	1.08 um	885 nm
Asymmetry	0.66		
Theta	75.8°		

XY profile & fitting parameters :

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

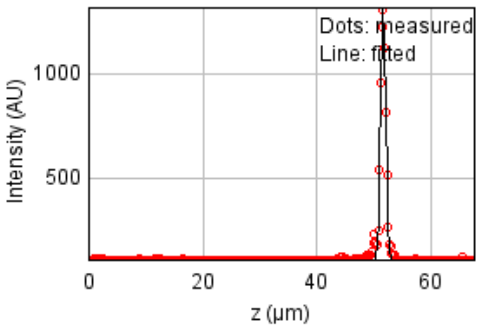




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 1322.908 (brightness)
B = 125.097 (background)
a = 0.819 px
b = 0.114 px
c = 0.398 px
xc = 5.698 px
yc = 6.250 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 58885.1018
Standard deviation: 13.84948
R^2: 0.98873
Parameters:
a = 114.73894
b = 1312.76207
c = 51.67111
d = 0.45769

Bead 2338

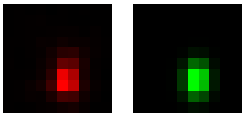
Date : Mon Oct 17 13:29:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

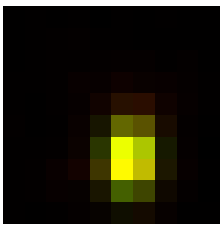
Coordinates : -102 um (x), 48.3 um (y), 52.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	536 nm	554 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.716		
Theta	87.9°		

XY profile & fitting parameters :

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

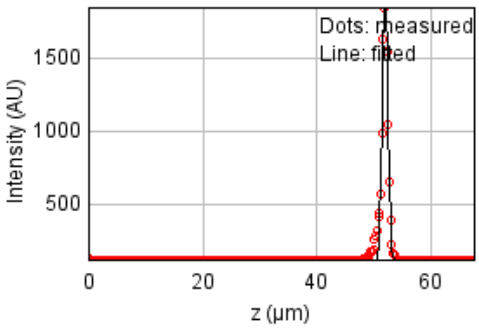




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 2031.768 (brightness)
B = 132.723 (background)
a = 0.910 px
b = 0.016 px
c = 0.467 px
xc = 5.351 px
yc = 6.461 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 189988.837
Standard deviation: 24.87682
R^2: 0.98510
Parameters:
a = 115.58070
b = 1890.83786
c = 52.02843
d = 0.50839

Bead 2339

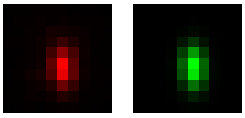
Date : Mon Oct 17 13:29:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

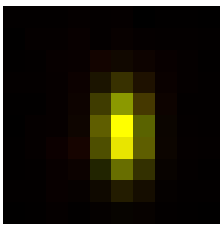
Coordinates : -98.6 um (x), 38.6 um (y), 51.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	370 nm	383 nm	223 nm
max	657 nm	679 nm	223 nm
z	1.11 um	1.11 um	885 nm
Asymmetry	0.564		
Theta	-87.4°		

XY profile & fitting parameters :

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

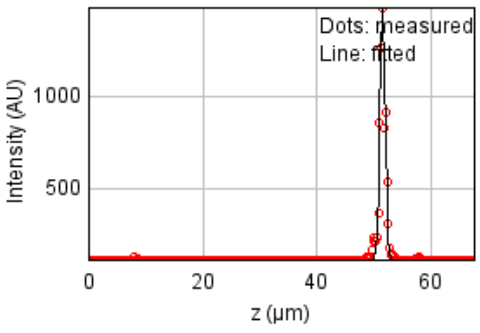




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.991

Parameters:
A = 1500.232 (brightness)
B = 129.407 (background)
a = 0.976 px
b = -0.030 px
c = 0.313 px
xc = 5.022 px
yc = 5.325 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 226730.225
Standard deviation: 27.17600
R^2: 0.96935
Parameters:
a = 114.96284
b = 1507.30857
c = 51.56434
d = 0.47071

Bead 2340

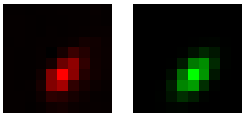
Date : Mon Oct 17 13:29:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

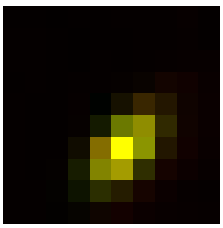
Coordinates : 18.1 um (x), 28.1 um (y), 52.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	366 nm	378 nm	223 nm
max	655 nm	677 nm	223 nm
z	1.17 um	1.18 um	885 nm
Asymmetry	0.558		
Theta	48.1°		

XY profile & fitting parameters :

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

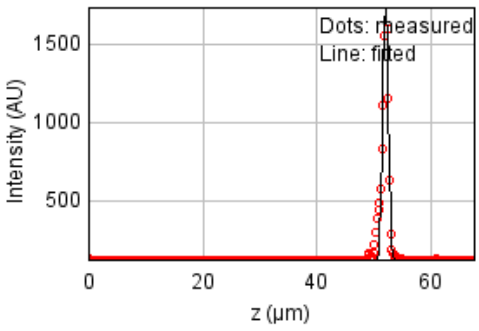




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1755.029 (brightness)
B = 127.415 (background)
a = 0.695 px
b = 0.344 px
c = 0.621 px
xc = 5.087 px
yc = 6.052 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 348485.990
Standard deviation: 33.69174
R^2: 0.96750
Parameters:
a = 116.19536
b = 1744.76447
c = 52.10041
d = 0.49849

Bead 2341

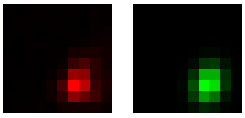
Date : Mon Oct 17 13:29:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

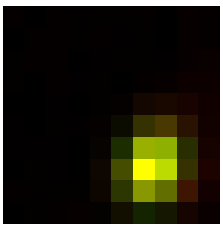
Coordinates : 85.2 um (x), 18.3 um (y), 51.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	454 nm	223 nm
max	561 nm	579 nm	223 nm
z	1.47 um	1.48 um	885 nm
Asymmetry	0.783		
Theta	72.5°		

XY profile & fitting parameters :

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

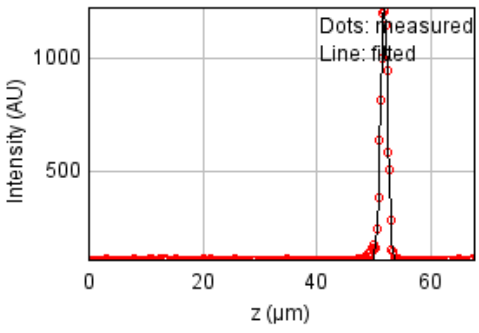




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

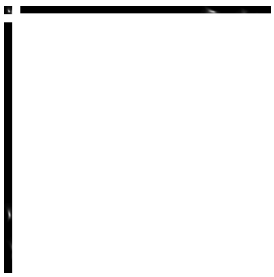
Parameters:
A = 1091.898 (brightness)
B = 122.433 (background)
a = 0.672 px
b = 0.077 px
c = 0.451 px
xc = 6.401 px
yc = 6.846 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37335.9501
Standard deviation: 11.02794
R^2: 0.99389
Parameters:
a = 113.27768
b = 1230.26513
c = 51.85073
d = 0.62432

Bead 2342



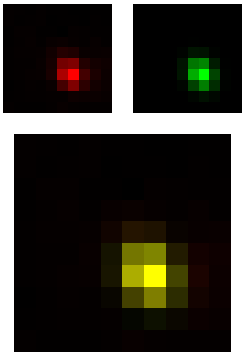
Date : Mon Oct 17 13:29:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 144 um (x), -36.1 um (y), 51.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	379 nm	392 nm	223 nm
max	470 nm	486 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.807		
Theta	-61.3°		

XY profile & fitting parameters :

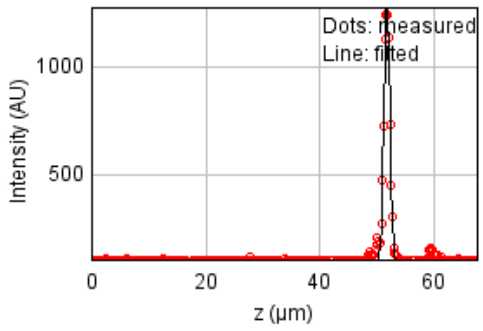
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1178.372 (brightness)
B = 122.589 (background)
a = 0.858 px
b = -0.137 px
c = 0.682 px
xc = 5.717 px
yc = 5.923 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66782.2760
Standard deviation: 14.74896
R^2: 0.98816
Parameters:
a = 112.70657
b = 1293.88623
c = 51.80863
d = 0.50939

Bead 2343

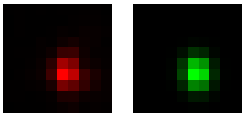
Date : Mon Oct 17 13:29:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

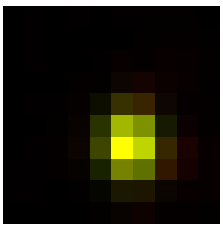
Coordinates : 26.0 um (x), -47.0 um (y), 51.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	437 nm	223 nm
max	517 nm	535 nm	223 nm
z	1.39 um	1.4 um	885 nm
Asymmetry	0.817		
Theta	-84.9°		

XY profile & fitting parameters :

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

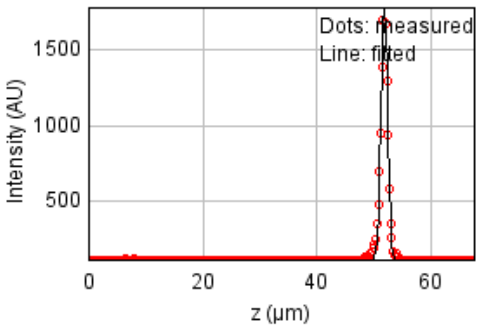




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

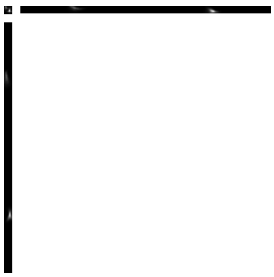
Parameters:
A = 1756.398 (brightness)
B = 131.308 (background)
a = 0.750 px
b = -0.022 px
c = 0.504 px
xc = 5.373 px
yc = 5.848 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 72742.2824
Standard deviation: 15.39304
R^2: 0.99434
Parameters:
a = 115.76596
b = 1778.70551
c = 51.89131
d = 0.59207

Bead 2344



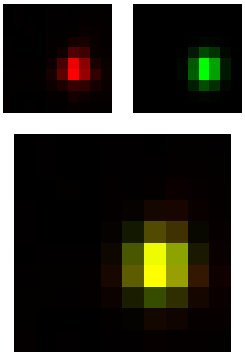
Date : Mon Oct 17 13:29:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -28.6 um (x), -56.4 um (y), 51.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	438 nm	223 nm
max	471 nm	487 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.9		
Theta	82.2°		

XY profile & fitting parameters :

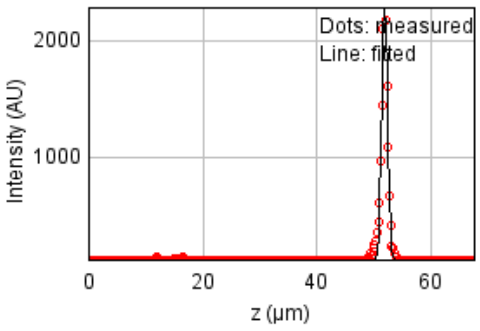
(red : the orignal data, green : the fit, yellow : the two merged)



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

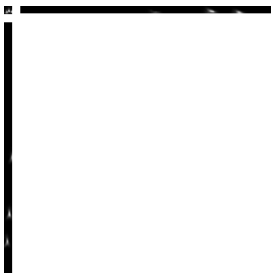
Parameters:
A = 2482.208 (brightness)
B = 137.977 (background)
a = 0.745 px
b = 0.019 px
c = 0.608 px
xc = 6.199 px
yc = 5.504 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 180257.450
Standard deviation: 24.23134
R^2: 0.99067
Parameters:
a = 118.62609
b = 2279.75548
c = 51.94184
d = 0.52313

Bead 2345



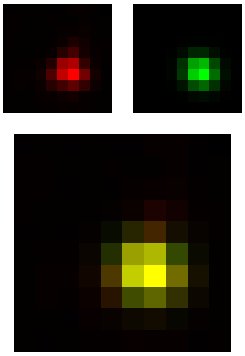
Date : Mon Oct 17 13:29:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -127 um (x), -76.9 um (y), 51.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	459 nm	474 nm	223 nm
max	506 nm	523 nm	223 nm
z	1.32 um	1.32 um	885 nm
Asymmetry	0.907		
Theta	-20.8°		

XY profile & fitting parameters :

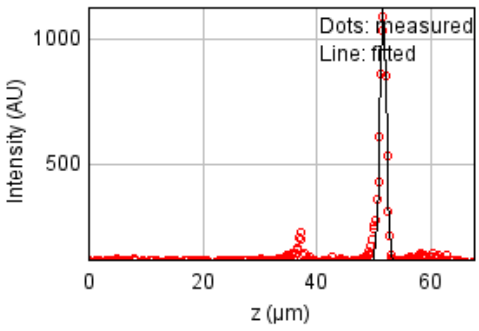
(red : the orignal data, green : the fit, yellow : the two merged)



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

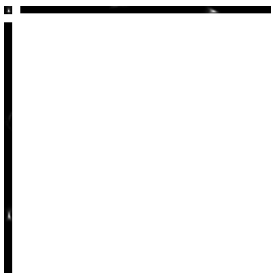
Parameters:
A = 1026.128 (brightness)
B = 118.893 (background)
a = 0.538 px
b = -0.038 px
c = 0.623 px
xc = 5.682 px
yc = 5.743 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 153104.566
Standard deviation: 22.33186
R^2: 0.96650
Parameters:
a = 118.97324
b = 1124.21200
c = 51.66573
d = 0.55898

Bead 2346



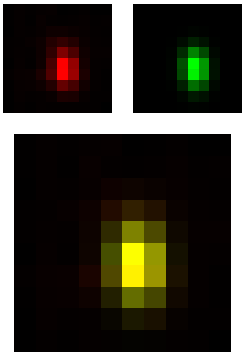
Date : Mon Oct 17 13:29:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -86.6 um (x), 81.3 um (y), 51.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	410 nm	223 nm
max	604 nm	625 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.657		
Theta	-87.5°		

XY profile & fitting parameters :

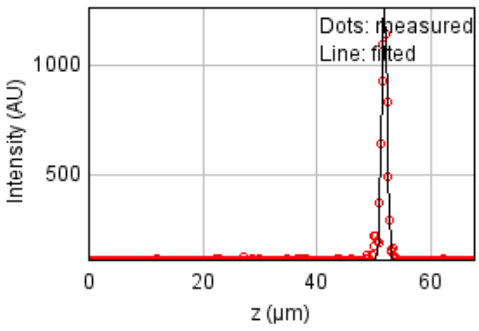
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1324.331 (brightness)
B = 127.114 (background)
a = 0.851 px
b = -0.022 px
c = 0.368 px
xc = 5.202 px
yc = 5.434 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61580.6445
Standard deviation: 14.16292
R^2: 0.98797
Parameters:
a = 116.61465
b = 1264.28965
c = 51.88540
d = 0.48910

Bead 2347

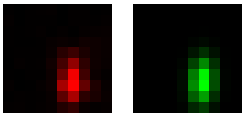
Date : Mon Oct 17 13:29:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

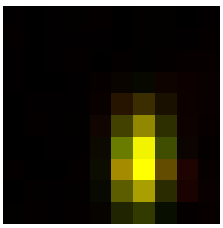
Coordinates : -14.8 um (x), 74.4 um (y), 51.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	716 nm	741 nm	223 nm
z	1.35 um	1.36 um	885 nm
Asymmetry	0.536		
Theta	87.0°		

XY profile & fitting parameters :

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

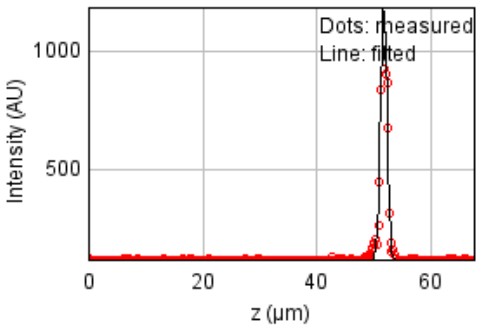




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1206.739 (brightness)
B = 122.506 (background)
a = 0.908 px
b = 0.034 px
c = 0.263 px
xc = 5.848 px
yc = 6.616 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 231864.818
Standard deviation: 27.48199
R^2: 0.95791
Parameters:
a = 114.30000
b = 1198.58316
c = 51.78609
d = 0.57443

Bead 2348

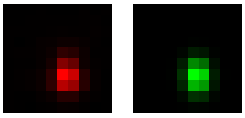
Date : Mon Oct 17 13:29:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

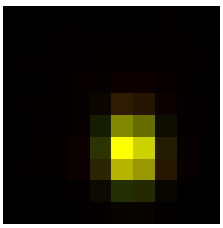
Coordinates : -49.6 um (x), 53.9 um (y), 52.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	522 nm	540 nm	223 nm
z	1.13 um	1.14 um	885 nm
Asymmetry	0.736		
Theta	-87.8°		

XY profile & fitting parameters :

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

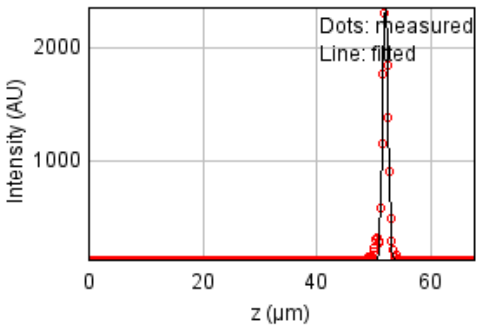




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

Parameters:
A = 2651.711 (brightness)
B = 131.800 (background)
a = 0.908 px
b = -0.016 px
c = 0.492 px
xc = 5.393 px
yc = 6.154 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 183097.353
Standard deviation: 24.42147
R^2: 0.99057
Parameters:
a = 116.40842
b = 2371.75036
c = 52.07312
d = 0.48170

Bead 2349

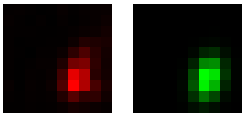
Date : Mon Oct 17 13:29:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

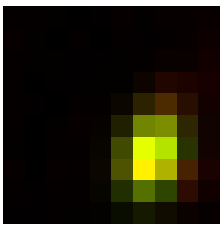
Coordinates : 71.4 um (x), 36.0 um (y), 52.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	436 nm	451 nm	223 nm
max	634 nm	655 nm	223 nm
z	1.73 um	1.74 um	885 nm
Asymmetry	0.687		
Theta	75.5°		

XY profile & fitting parameters :

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

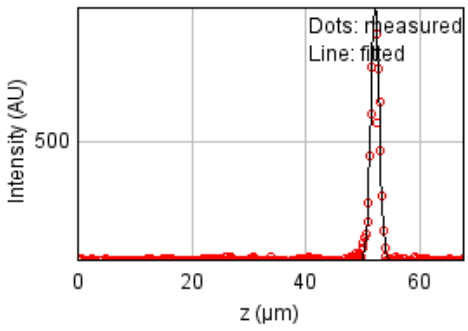




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 1043.952 (brightness)
B = 124.137 (background)
a = 0.683 px
b = 0.090 px
c = 0.357 px
xc = 6.369 px
yc = 6.326 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 154520.676
Standard deviation: 22.43490
R^2: 0.96201
Parameters:
a = 113.02438
b = 941.54849
c = 52.19142
d = 0.73575

Bead 2350

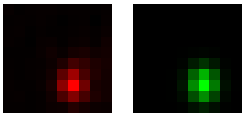
Date : Mon Oct 17 13:29:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

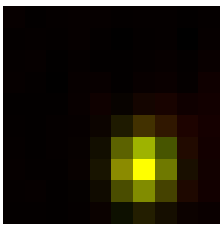
Coordinates : 148 um (x), 33.0 um (y), 52.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	444 nm	459 nm	223 nm
max	531 nm	549 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.838		
Theta	89.8°		

XY profile & fitting parameters :

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

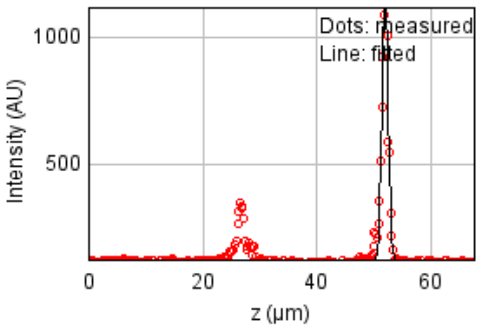




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 920.496 (brightness)
B = 120.210 (background)
a = 0.679 px
b = 0.001 px
c = 0.476 px
xc = 5.946 px
yc = 6.872 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 382261.948
Standard deviation: 35.28672
R^2: 0.92111
Parameters:
a = 120.04490
b = 1131.79110
c = 52.02008
d = 0.55746

Bead 2351

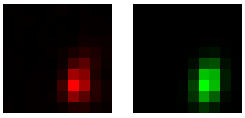
Date : Mon Oct 17 13:29:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

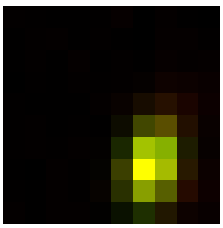
Coordinates : 7.78 um (x), 15.2 um (y), 52.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	617 nm	638 nm	223 nm
z	1.31 um	1.31 um	885 nm
Asymmetry	0.633		
Theta	78.5°		

XY profile & fitting parameters :

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

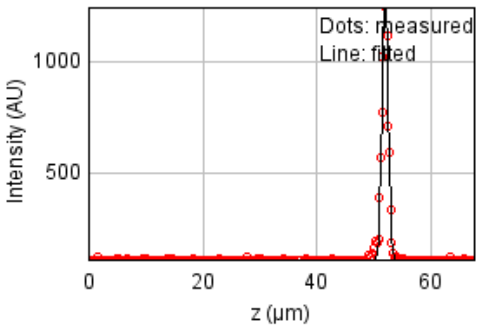




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 1111.584 (brightness)
B = 124.947 (background)
a = 0.858 px
b = 0.103 px
c = 0.373 px
xc = 6.346 px
yc = 6.766 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 52878.2998
Standard deviation: 13.12410
R^2: 0.99079
Parameters:
a = 113.71433
b = 1258.12508
c = 52.02865
d = 0.55510

Bead 2352

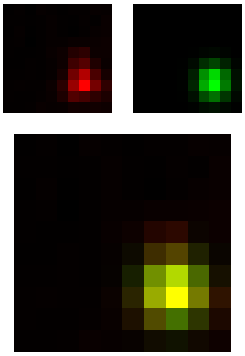
Date : Mon Oct 17 13:29:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 18.9 um (x), 8.21 um (y), 52.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	485 nm	501 nm	223 nm
max	520 nm	537 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.932		
Theta	88.7°		

XY profile & fitting parameters :

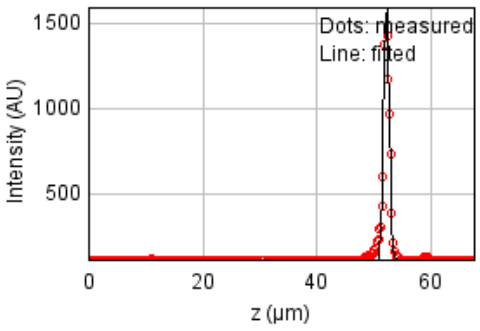
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1232.683 (brightness)
B = 126.694 (background)
a = 0.571 px
b = 0.002 px
c = 0.497 px
xc = 6.855 px
yc = 6.665 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 341941.979
Standard deviation: 33.37390
R^2: 0.96209
Parameters:
a = 116.73589
b = 1615.74259
c = 52.27767
d = 0.49202

Bead 2353

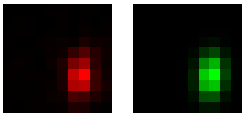
Date : Mon Oct 17 13:29:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

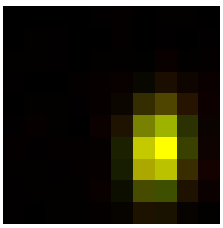
Coordinates : -79.4 nm (x), -9.27 um (y), 51.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	420 nm	223 nm
max	660 nm	682 nm	223 nm
z	977 nm	981 nm	885 nm
Asymmetry	0.616		
Theta	84.9°		

XY profile & fitting parameters :

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

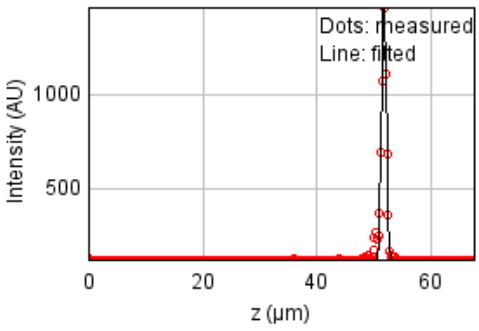




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

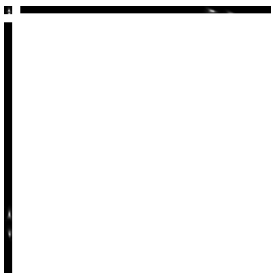
Parameters:
A = 1478.134 (brightness)
B = 123.817 (background)
a = 0.808 px
b = 0.044 px
c = 0.312 px
xc = 6.639 px
yc = 6.119 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 74417.4852
Standard deviation: 15.56927
R^2: 0.98852
Parameters:
a = 115.69140
b = 1515.66520
c = 51.80770
d = 0.41484

Bead 2354



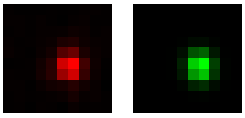
Date : Mon Oct 17 13:29:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

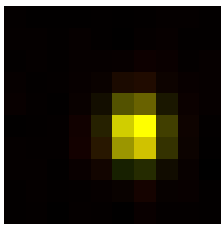
Coordinates : -125 um (x), -11.7 um (y), 51.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	468 nm	483 nm	223 nm
z	1.2 um	1.21 um	885 nm
Asymmetry	0.871		
Theta	-84.2°		

XY profile & fitting parameters :

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

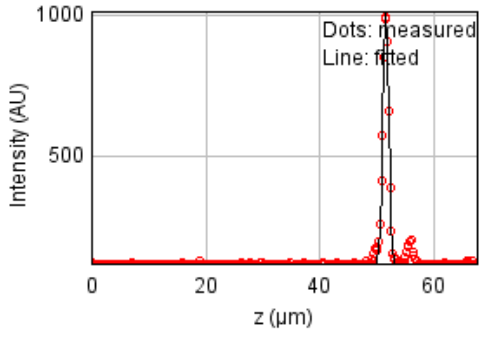




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

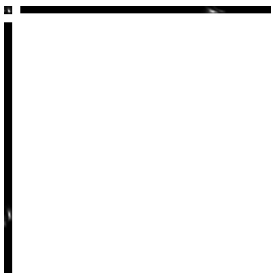
Parameters:
A = 1027.929 (brightness)
B = 119.202 (background)
a = 0.807 px
b = -0.020 px
c = 0.616 px
xc = 5.640 px
yc = 5.265 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 60493.7164
Standard deviation: 14.03738
R^2: 0.98228
Parameters:
a = 114.32283
b = 1028.70651
c = 51.60430
d = 0.51146

Bead 2355



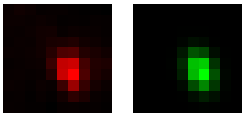
Date : Mon Oct 17 13:29:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

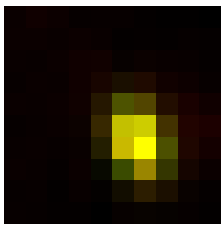
Coordinates : 159 um (x), -22.8 um (y), 51.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	426 nm	223 nm
max	589 nm	608 nm	223 nm
z	1.32 um	1.32 um	885 nm
Asymmetry	0.701		
Theta	-70.2°		

XY profile & fitting parameters :

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

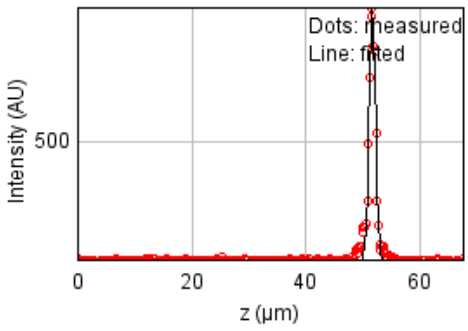




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 1088.262 (brightness)
B = 148.735 (background)
a = 0.743 px
b = -0.128 px
c = 0.433 px
xc = 5.659 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: 63222.3709
Standard deviation: 14.35047
R^2: 0.97941
Parameters:
a = 112.02347
b = 940.84992
c = 51.70227
d = 0.55973

Bead 2356

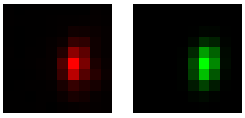
Date : Mon Oct 17 13:29:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

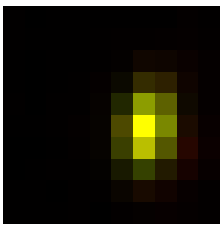
Coordinates : 4.43 um (x), -49.5 um (y), 51.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	376 nm	388 nm	223 nm
max	593 nm	613 nm	223 nm
z	1.22 um	1.23 um	885 nm
Asymmetry	0.634		
Theta	82.4°		

XY profile & fitting parameters :

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

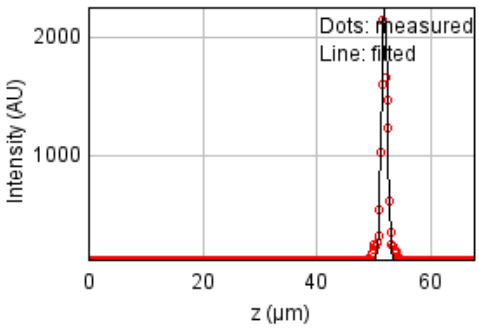




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 2376.932 (brightness)
B = 136.479 (background)
a = 0.941 px
b = 0.074 px
c = 0.392 px
xc = 6.158 px
yc = 5.093 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 393358.453
Standard deviation: 35.79522
R^2: 0.97910
Parameters:
a = 116.69175
b = 2244.69341
c = 51.90512
d = 0.51922

Bead 2357 (Rejected)

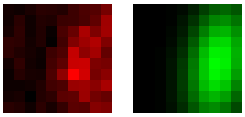
Date : Mon Oct 17 13:29:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

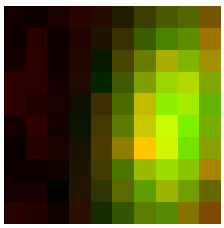
Coordinates : 65.6 um (x), 86.2 um (y), 50.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	980 nm	1.01 um	223 nm
max	1.91 um	1.98 um	223 nm
z	1.14 um	1.14 um	885 nm
Asymmetry	0.513		
Theta	81.0°		

XY profile & fitting parameters :

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

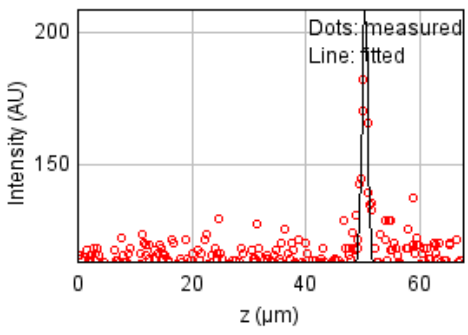




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.819

Parameters:
A = 78.581 (brightness)
B = 115.506 (background)
a = 0.137 px
b = 0.016 px
c = 0.039 px
xc = 7.330 px
yc = 4.958 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 12929.2865
Standard deviation: 6.48960
R^2: 0.72829
Parameters:
a = 113.17040
b = 208.84588
c = 50.39756
d = 0.48208

Bead 2358

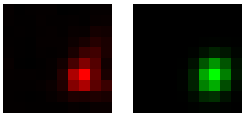
Date : Mon Oct 17 13:29:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

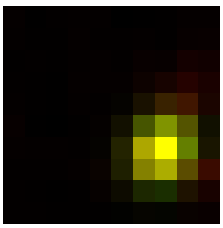
Coordinates : 99.0 um (x), 78.7 um (y), 52.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	475 nm	491 nm	223 nm
max	556 nm	574 nm	223 nm
z	1.37 um	1.37 um	885 nm
Asymmetry	0.855		
Theta	63.3°		

XY profile & fitting parameters :

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

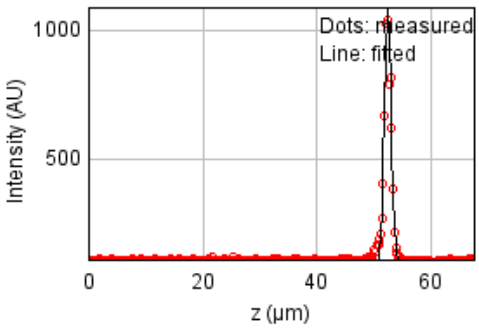




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

Parameters:
A = 1009.747 (brightness)
B = 122.270 (background)
a = 0.562 px
b = 0.064 px
c = 0.467 px
xc = 6.869 px
yc = 6.102 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 91899.6281
Standard deviation: 17.30166
R^2: 0.97947
Parameters:
a = 112.27108
b = 1094.94019
c = 52.50895
d = 0.58122

Bead 2359

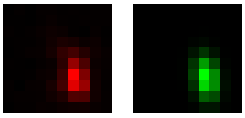
Date : Mon Oct 17 13:29:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

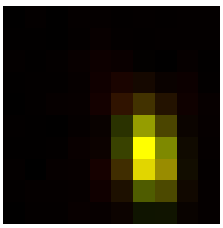
Coordinates : -134 um (x), 77.4 um (y), 51.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	366 nm	378 nm	223 nm
max	649 nm	671 nm	223 nm
z	1.11 um	1.12 um	885 nm
Asymmetry	0.563		
Theta	-81.5°		

XY profile & fitting parameters :

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

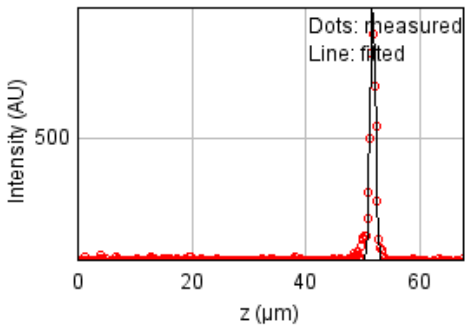




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 944.398 (brightness)
B = 123.900 (background)
a = 0.988 px
b = -0.100 px
c = 0.333 px
xc = 6.214 px
yc = 6.294 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 58558.6555
Standard deviation: 13.81104
R^2: 0.97678
Parameters:
a = 112.93192
b = 927.25437
c = 51.77653
d = 0.47283

Bead 2360

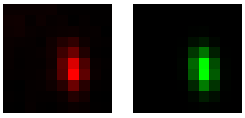
Date : Mon Oct 17 13:29:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

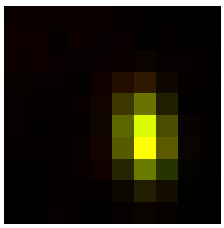
Coordinates : -81.0 um (x), 68.5 um (y), 51.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	357 nm	369 nm	223 nm
max	604 nm	625 nm	223 nm
z	1.12 um	1.13 um	885 nm
Asymmetry	0.591		
Theta	-83.5°		

XY profile & fitting parameters :

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

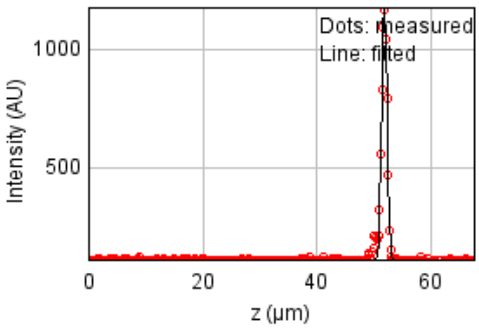




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1221.970 (brightness)
B = 134.299 (background)
a = 1.044 px
b = -0.077 px
c = 0.376 px
xc = 5.967 px
yc = 5.522 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45641.3493
Standard deviation: 12.19299
R^2: 0.98930
Parameters:
a = 114.79374
b = 1176.21298
c = 51.88930
d = 0.47699

Bead 2361

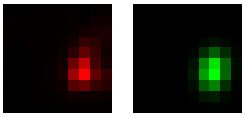
Date : Mon Oct 17 13:29:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

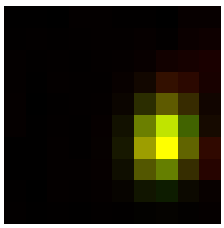
Coordinates : 68.4 um (x), 56.4 um (y), 52.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	432 nm	447 nm	223 nm
max	580 nm	599 nm	223 nm
z	1.22 um	1.22 um	885 nm
Asymmetry	0.746		
Theta	80.5°		

XY profile & fitting parameters :

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

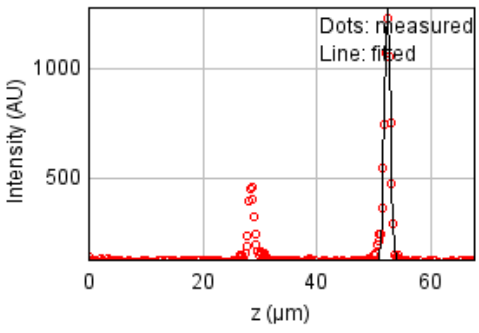




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.945

Parameters:
A = 1180.212 (brightness)
B = 127.692 (background)
a = 0.709 px
b = 0.052 px
c = 0.408 px
xc = 6.865 px
yc = 5.657 px

Z profile & fitting parameters:



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

Bead 2362 (Rejected)

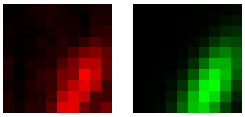
Date : Mon Oct 17 13:29:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

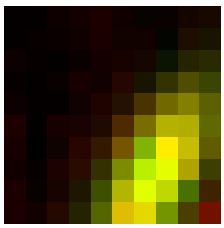
Coordinates : 95.8 um (x), 48.6 um (y), 50.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	660 nm	683 nm	223 nm
max	1.58 um	1.64 um	223 nm
z	1.34 um	1.35 um	885 nm
Asymmetry	0.417		
Theta	61.4°		

XY profile & fitting parameters :

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

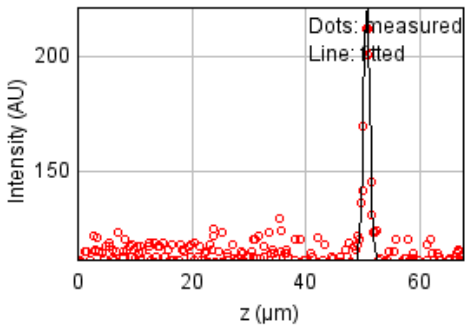




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.933

Parameters:
A = 171.540 (brightness)
B = 116.356 (background)
a = 0.249 px
b = 0.107 px
c = 0.112 px
xc = 6.480 px
yc = 7.307 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 11178.0797
Standard deviation: 6.03413
R^2: 0.82980
Parameters:
a = 111.88069
b = 222.55886
c = 50.72495
d = 0.56917

Bead 2363

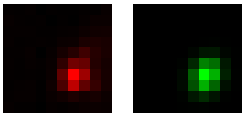
Date : Mon Oct 17 13:29:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

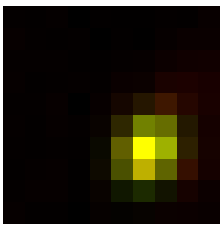
Coordinates : 117 um (x), 47.7 um (y), 52.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	430 nm	444 nm	223 nm
max	529 nm	547 nm	223 nm
z	1.53 um	1.53 um	885 nm
Asymmetry	0.812		
Theta	62.9°		

XY profile & fitting parameters :

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

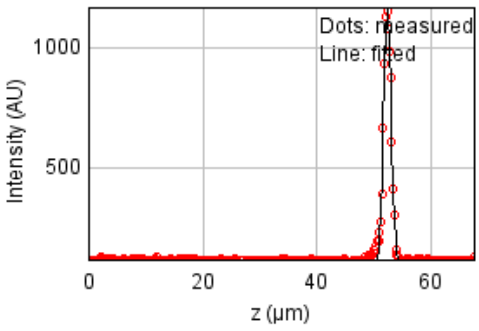




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 1030.348 (brightness)
B = 126.059 (background)
a = 0.675 px
b = 0.100 px
c = 0.530 px
xc = 6.213 px
yc = 6.107 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51712.1985
Standard deviation: 12.97858
R^2: 0.99097
Parameters:
a = 111.60402
b = 1172.10799
c = 52.43561
d = 0.64801

Bead 2364

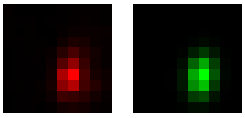
Date : Mon Oct 17 13:29:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

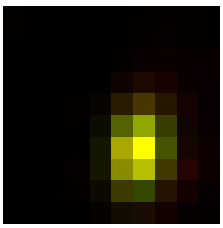
Coordinates : 35.6 um (x), -9.05 um (y), 52.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	427 nm	223 nm
max	622 nm	643 nm	223 nm
z	1.04 um	1.05 um	885 nm
Asymmetry	0.664		
Theta	82.5°		

XY profile & fitting parameters :

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

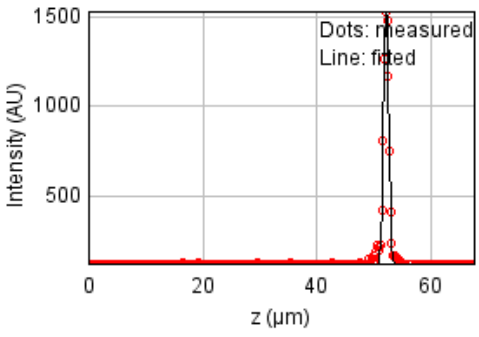




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1400.886 (brightness)
B = 132.163 (background)
a = 0.778 px
b = 0.057 px
c = 0.354 px
xc = 5.764 px
yc = 6.130 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56795.9003
Standard deviation: 13.60158
R^2: 0.99231
Parameters:
a = 114.50276
b = 1563.46662
c = 52.23141
d = 0.44346

Bead 2365

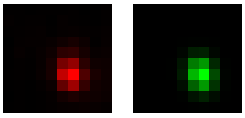
Date : Mon Oct 17 13:29:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

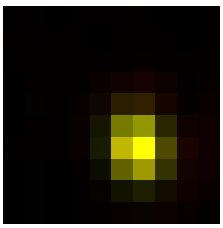
Coordinates : 128 um (x), -58.7 um (y), 52.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	516 nm	533 nm	223 nm
z	1.3 um	1.31 um	885 nm
Asymmetry	0.793		
Theta	-77.9°		

XY profile & fitting parameters :

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

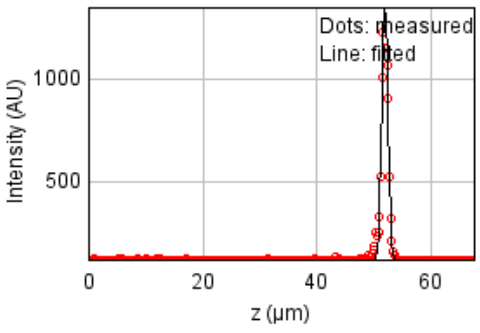




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 1422.142 (brightness)
B = 124.355 (background)
a = 0.788 px
b = -0.061 px
c = 0.517 px
xc = 5.711 px
yc = 5.967 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 113392.075
Standard deviation: 19.21862
R^2: 0.98357
Parameters:
a = 111.93174
b = 1363.98144
c = 51.98592
d = 0.55343

Bead 2366 (Rejected)

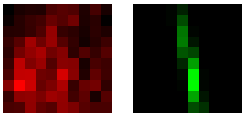
Date : Mon Oct 17 13:29:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

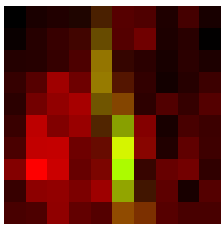
Coordinates : 66.2 um (x), 86.2 um (y), 50.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	174 nm	180 nm	223 nm
max	1.66 um	1.72 um	223 nm
z	1.14 um	1.14 um	885 nm
Asymmetry	0.105		
Theta	-78.8°		

XY profile & fitting parameters :

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



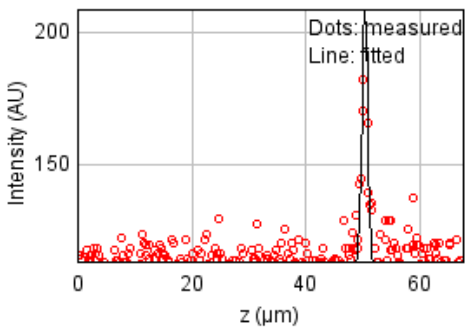


Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.153

Parameters:
A = 49.630 (brightness)
B = 151.306 (background)
a = 4.256 px
b = -0.832 px
c = 0.213 px

xc = 4.864 px
yc = 5.999 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 12929.2865
Standard deviation: 6.48960
R^2: 0.72829
Parameters:
a = 113.17040
b = 208.84588
c = 50.39756
d = 0.48208

Bead 2367 (Rejected)

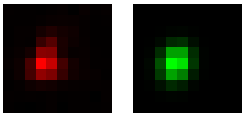
Date : Mon Oct 17 13:29:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

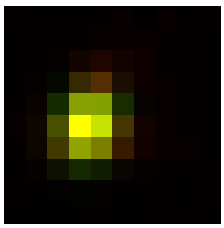
Coordinates : -8.71 um (x), 70.2 um (y), 52.1 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	447 nm	462 nm	223 nm
max	552 nm	571 nm	223 nm
z	3.64 um	3.65 um	885 nm
Asymmetry	0.808		
Theta	73.2°		

XY profile & fitting parameters :

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

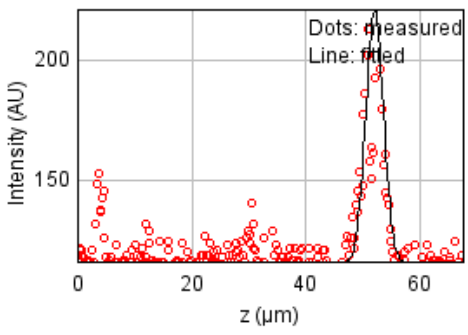




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 1319.525 (brightness)
B = 128.314 (background)
a = 0.654 px
b = 0.064 px
c = 0.459 px
xc = 3.408 px
yc = 4.951 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50622.9880
Standard deviation: 12.84117
R^2: 0.71669
Parameters:
a = 115.59520
b = 221.42486
c = 52.13298
d = 1.54394

Bead 2368 (Rejected)

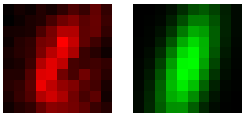
Date : Mon Oct 17 13:29:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

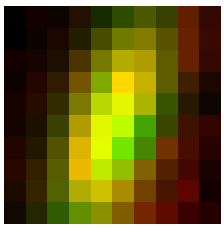
Coordinates : 95.8 um (x), 48.3 um (y), 50.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	746 nm	772 nm	223 nm
max	1.91 um	1.98 um	223 nm
z	1.34 um	1.35 um	885 nm
Asymmetry	0.39		
Theta	73.0°		

XY profile & fitting parameters :

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

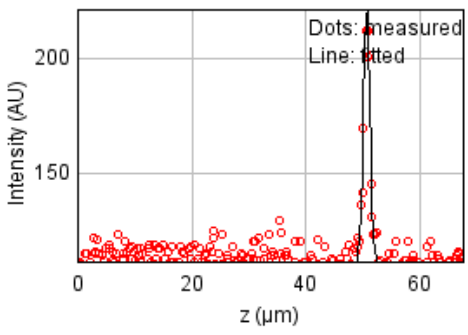




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.807

Parameters:
A = 145.677 (brightness)
B = 130.193 (background)
a = 0.223 px
b = 0.057 px
c = 0.054 px
xc = 4.472 px
yc = 5.256 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 11178.0797
Standard deviation: 6.03413
R^2: 0.82980
Parameters:
a = 111.88069
b = 222.55886
c = 50.72495
d = 0.56917

Bead 2369

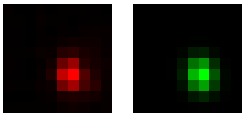
Date : Mon Oct 17 13:29:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

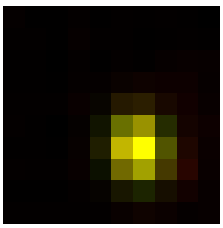
Coordinates : 108 um (x), -13.6 um (y), 52.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	441 nm	223 nm
max	514 nm	532 nm	223 nm
z	1.31 um	1.31 um	885 nm
Asymmetry	0.83		
Theta	-79.7°		

XY profile & fitting parameters :

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

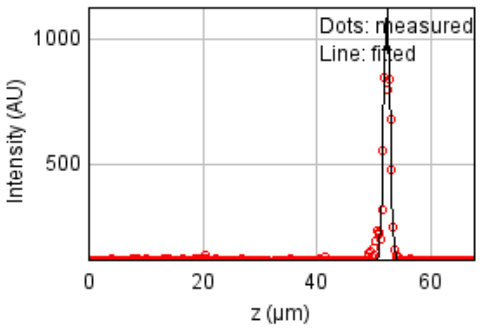




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1084.030 (brightness)
B = 123.830 (background)
a = 0.728 px
b = -0.040 px
c = 0.515 px
xc = 5.736 px
yc = 6.027 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 184076.279
Standard deviation: 24.48667
R^2: 0.96025
Parameters:
a = 113.15118
b = 1125.47669
c = 52.35008
d = 0.55474

Bead 2370

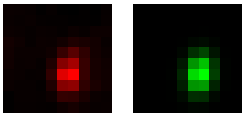
Date : Mon Oct 17 13:29:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

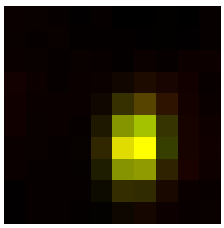
Coordinates : 110 um (x), -14.1 um (y), 52.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	424 nm	223 nm
max	592 nm	612 nm	223 nm
z	1.5 um	1.51 um	885 nm
Asymmetry	0.693		
Theta	82.5°		

XY profile & fitting parameters :

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

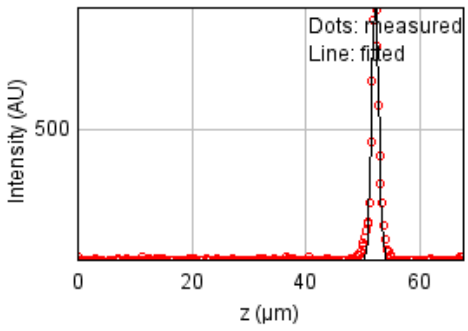




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 930.110 (brightness)
B = 136.077 (background)
a = 0.789 px
b = 0.054 px
c = 0.389 px
xc = 5.604 px
yc = 5.908 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 49524.1003
Standard deviation: 12.70103
R^2: 0.98304
Parameters:
a = 112.67000
b = 872.79937
c = 52.22889
d = 0.63813

Bead 2371

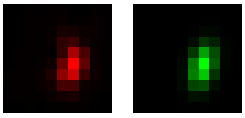
Date : Mon Oct 17 13:29:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

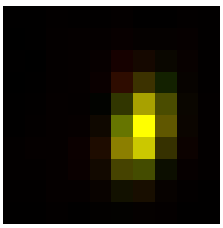
Coordinates : -60.5 um (x), -18.1 um (y), 52.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	372 nm	384 nm	223 nm
max	656 nm	678 nm	223 nm
z	1.08 um	1.08 um	885 nm
Asymmetry	0.567		
Theta	75.3°		

XY profile & fitting parameters :

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

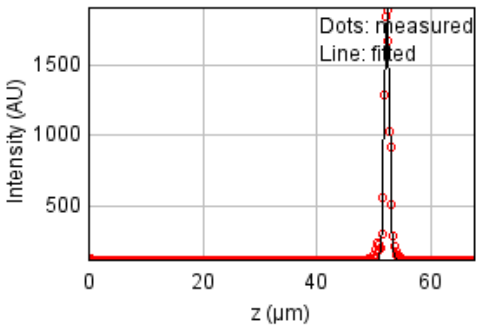




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1797.972 (brightness)
B = 129.662 (background)
a = 0.928 px
b = 0.162 px
c = 0.355 px
xc = 5.884 px
yc = 5.202 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 228210.007
Standard deviation: 27.26454
R^2: 0.98049
Parameters:
a = 115.33141
b = 1900.09824
c = 52.36360
d = 0.45787

Bead 2372

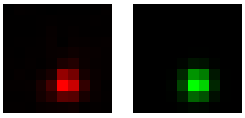
Date : Mon Oct 17 13:29:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

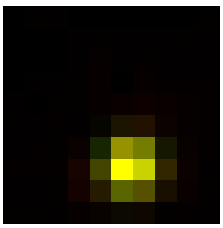
Coordinates : -139 um (x), -44.0 um (y), 52.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	432 nm	223 nm
max	427 nm	441 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.98		
Theta	68.3°		

XY profile & fitting parameters :

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

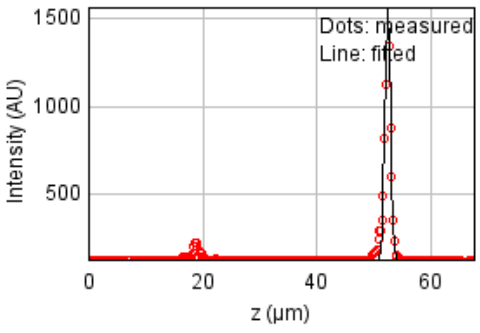




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1609.544 (brightness)
B = 122.302 (background)
a = 0.763 px
b = 0.011 px
c = 0.741 px
xc = 5.375 px
yc = 6.865 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 169578.737
Standard deviation: 23.50263
R^2: 0.97995
Parameters:
a = 117.61707
b = 1582.58146
c = 52.50009
d = 0.49210

Bead 2373

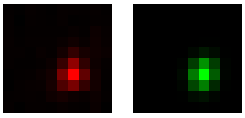
Date : Mon Oct 17 13:29:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

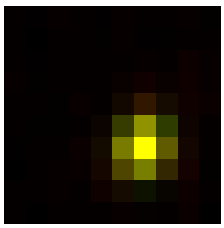
Coordinates : -160 um (x), -50.6 um (y), 52.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	398 nm	223 nm
max	467 nm	483 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.824		
Theta	75.0°		

XY profile & fitting parameters :

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

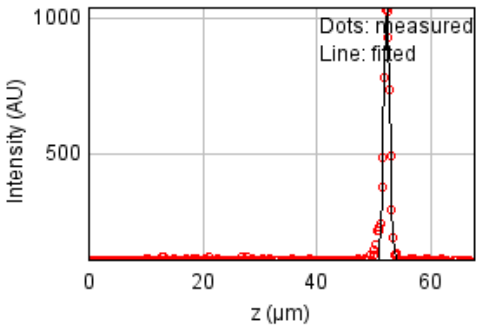




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 899.008 (brightness)
B = 119.535 (background)
a = 0.886 px
b = 0.073 px
c = 0.635 px
xc = 5.921 px
yc = 5.952 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56710.6907
Standard deviation: 13.59137
R^2: 0.98433
Parameters:
a = 111.72128
b = 1042.39811
c = 52.32886
d = 0.52507

Bead 2374

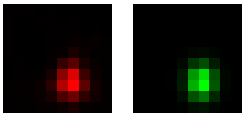
Date : Mon Oct 17 13:29:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

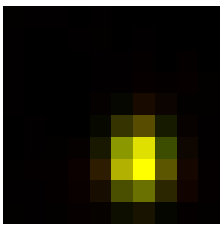
Coordinates : -37.9 um (x), -55.4 um (y), 52.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	429 nm	444 nm	223 nm
max	533 nm	551 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.805		
Theta	88.0°		

XY profile & fitting parameters :

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

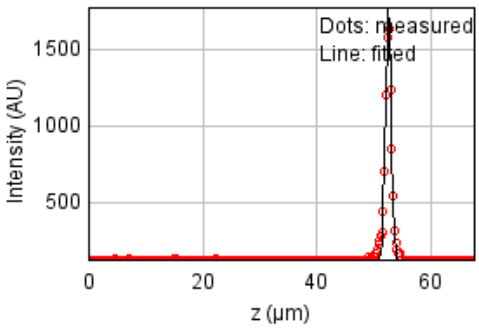




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

Parameters:
A = 1899.391 (brightness)
B = 122.802 (background)
a = 0.729 px
b = 0.009 px
c = 0.472 px
xc = 5.761 px
yc = 6.643 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 99961.9207
Standard deviation: 18.04464
R^2: 0.99100
Parameters:
a = 116.41220
b = 1779.85071
c = 52.60328
d = 0.50695

Bead 2375

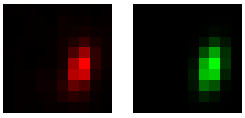
Date : Mon Oct 17 13:29:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

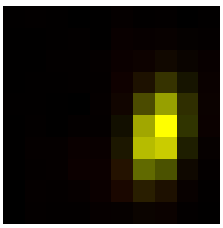
Coordinates : -121 um (x), -59.5 um (y), 52.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	357 nm	369 nm	223 nm
max	664 nm	686 nm	223 nm
z	1.07 um	1.07 um	885 nm
Asymmetry	0.538		
Theta	76.5°		

XY profile & fitting parameters :

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

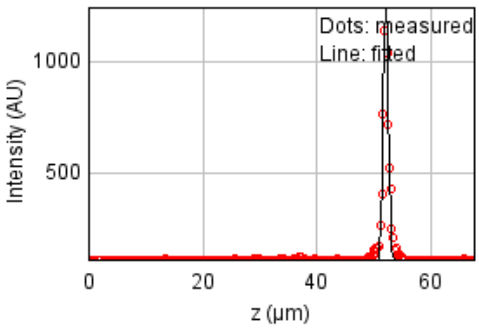




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.990

Parameters:
A = 1349.903 (brightness)
B = 128.206 (background)
a = 1.010 px
b = 0.170 px
c = 0.345 px
xc = 6.652 px
yc = 5.346 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 108914.272
Standard deviation: 18.83533
R^2: 0.97661
Parameters:
a = 114.47705
b = 1243.76881
c = 52.15108
d = 0.45326

Bead 2376

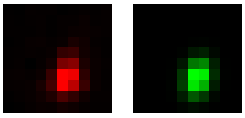
Date : Mon Oct 17 13:29:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

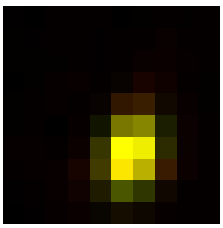
Coordinates : -104 um (x), -62.3 um (y), 51.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	414 nm	223 nm
max	569 nm	589 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.704		
Theta	76.4°		

XY profile & fitting parameters :

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

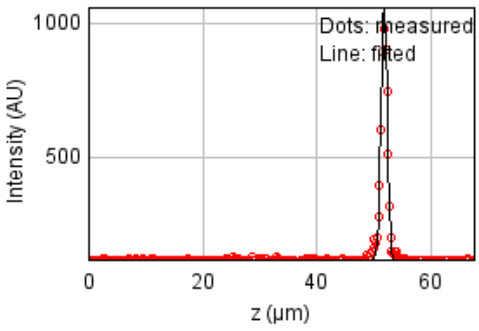




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

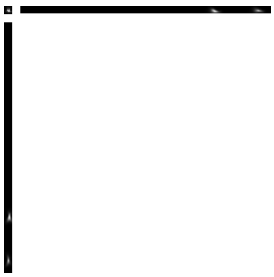
Parameters:
A = 1162.686 (brightness)
B = 120.739 (background)
a = 0.812 px
b = 0.096 px
c = 0.437 px
xc = 5.421 px
yc = 6.284 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 48479.8227
Standard deviation: 12.56641
R^2: 0.98774
Parameters:
a = 114.13356
b = 1071.24567
c = 51.84204
d = 0.54496

Bead 2377



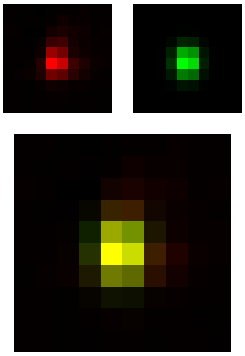
Date : Mon Oct 17 13:29:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -61.9 um (x), -89.5 um (y), 64.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	481 nm	498 nm	223 nm
z	1.47 um	1.48 um	885 nm
Asymmetry	0.802		
Theta	89.5°		

XY profile & fitting parameters :

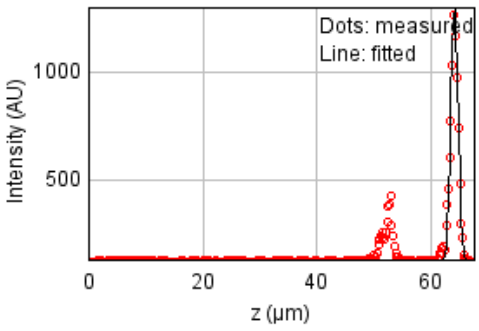
(red : the orignal data, green : the fit, yellow : the two merged)



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

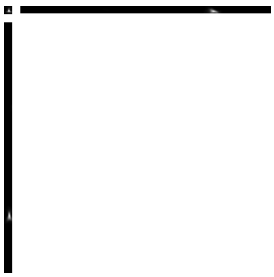
Parameters:
A = 1405.701 (brightness)
B = 128.479 (background)
a = 0.901 px
b = 0.003 px
c = 0.579 px
xc = 4.417 px
yc = 4.859 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 495840.153
Standard deviation: 40.18849
R^2: 0.93188
Parameters:
a = 123.83622
b = 1303.48890
c = 64.18446
d = 0.62545

Bead 2378



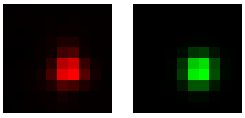
Date : Mon Oct 17 13:29:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

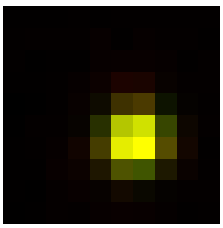
Coordinates : -76.7 um (x), -91.0 um (y), 52.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	452 nm	467 nm	223 nm
max	473 nm	489 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.955		
Theta	60.7°		

XY profile & fitting parameters :

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

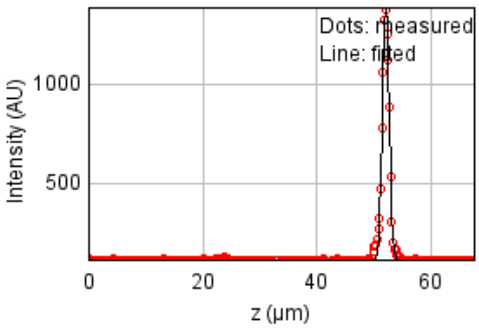




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 1469.031 (brightness)
B = 124.913 (background)
a = 0.643 px
b = 0.025 px
c = 0.613 px
xc = 5.574 px
yc = 5.623 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51427.7370
Standard deviation: 12.94284
R^2: 0.99319
Parameters:
a = 114.90881
b = 1381.30888
c = 52.15506
d = 0.59935

Bead 2379

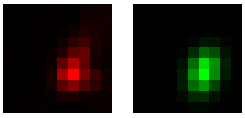
Date : Mon Oct 17 13:29:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

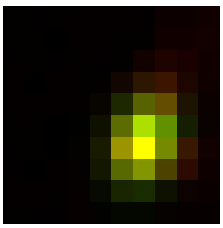
Coordinates : 86.9 um (x), 90.3 um (y), 52.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	470 nm	486 nm	223 nm
max	661 nm	683 nm	223 nm
z	1.5 um	1.51 um	885 nm
Asymmetry	0.711		
Theta	71.1°		

XY profile & fitting parameters :

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

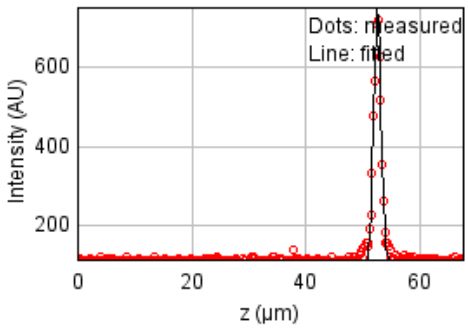




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.931

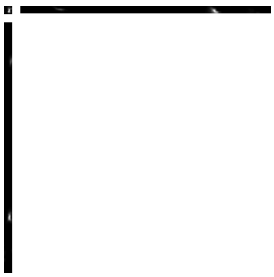
Parameters:
A = 856.636 (brightness)
B = 126.821 (background)
a = 0.577 px
b = 0.092 px
c = 0.339 px
xc = 6.016 px
yc = 5.701 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22860.2716
Standard deviation: 8.62922
R^2: 0.98874
Parameters:
a = 113.07852
b = 749.17666
c = 52.61337
d = 0.63729

Bead 2380



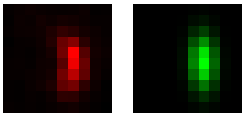
Date : Mon Oct 17 13:29:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

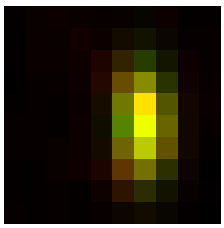
Coordinates : -128 um (x), 50.0 um (y), 52.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	421 nm	223 nm
max	872 nm	901 nm	223 nm
z	908 nm	912 nm	885 nm
Asymmetry	0.468		
Theta	-88.4°		

XY profile & fitting parameters :

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

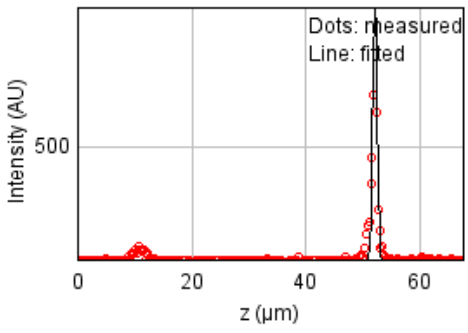




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 895.748 (brightness)
B = 131.715 (background)
a = 0.808 px
b = -0.018 px
c = 0.177 px
xc = 5.912 px
yc = 4.838 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 120884.731
Standard deviation: 19.84342
R^2: 0.94964
Parameters:
a = 117.83607
b = 983.05896
c = 52.20043
d = 0.38572

Bead 2381

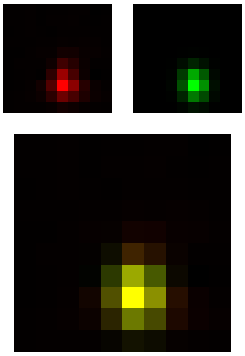
Date : Mon Oct 17 13:29:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -23.3 um (x), 14.8 um (y), 52.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	406 nm	223 nm
max	482 nm	499 nm	223 nm
z	1.22 um	1.22 um	885 nm
Asymmetry	0.814		
Theta	-83.7°		

XY profile & fitting parameters :

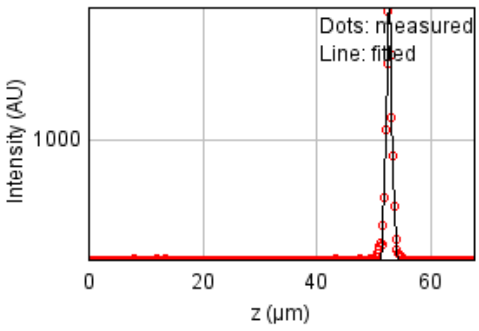
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1877.917 (brightness)
B = 130.433 (background)
a = 0.868 px
b = -0.032 px
c = 0.580 px
xc = 5.162 px
yc = 6.866 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 92859.8952
Standard deviation: 17.39181
R^2: 0.99345
Parameters:
a = 114.86616
b = 1979.39745
c = 52.73043
d = 0.51677

Bead 2382

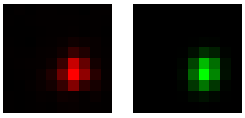
Date : Mon Oct 17 13:29:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

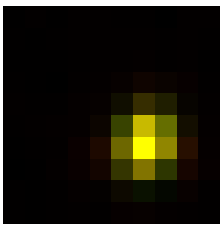
Coordinates : -48.2 um (x), 3.35 um (y), 52.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	426 nm	223 nm
max	499 nm	516 nm	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.826		
Theta	75.9°		

XY profile & fitting parameters :

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

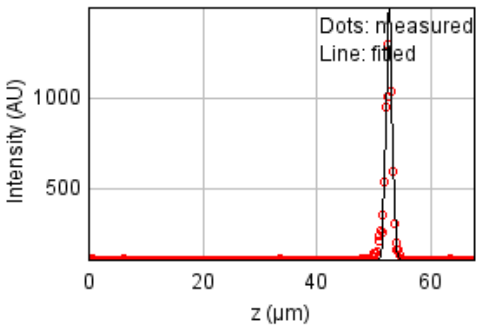




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 1635.183 (brightness)
B = 122.379 (background)
a = 0.776 px
b = 0.060 px
c = 0.555 px
xc = 6.101 px
yc = 5.777 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 367474.946
Standard deviation: 34.59750
R^2: 0.95730
Parameters:
a = 114.75858
b = 1500.08244
c = 52.74066
d = 0.54861

Bead 2383

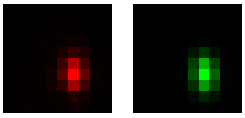
Date : Mon Oct 17 13:29:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

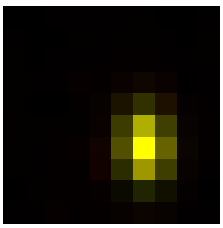
Coordinates : -78.3 um (x), -23.3 um (y), 52.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	356 nm	368 nm	223 nm
max	546 nm	564 nm	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.651		
Theta	-86.8°		

XY profile & fitting parameters :

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

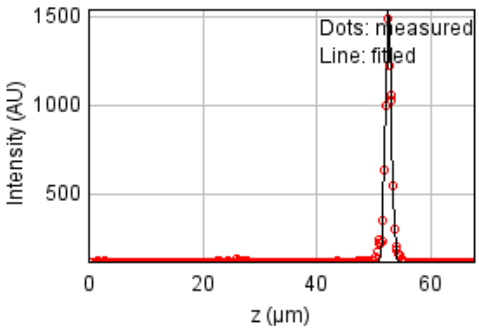




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.993

Parameters:
A = 1626.925 (brightness)
B = 126.455 (background)
a = 1.060 px
b = -0.034 px
c = 0.452 px
xc = 6.046 px
yc = 5.921 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 259532.378
Standard deviation: 29.07546
R^2: 0.97032
Parameters:
a = 114.25434
b = 1539.64331
c = 52.62406
d = 0.53321

Bead 2384

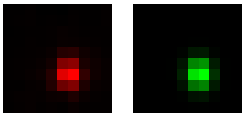
Date : Mon Oct 17 13:29:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

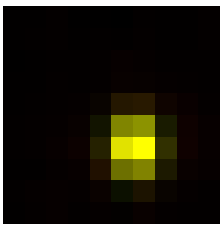
Coordinates : -139 um (x), -26.2 um (y), 52.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	468 nm	483 nm	223 nm
z	1.22 um	1.23 um	885 nm
Asymmetry	0.826		
Theta	-87.4°		

XY profile & fitting parameters :

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

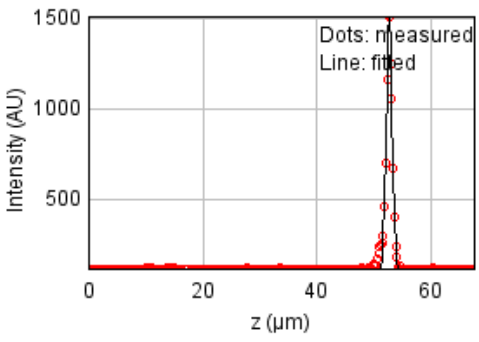




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.993

Parameters:
A = 1615.762 (brightness)
B = 121.976 (background)
a = 0.899 px
b = -0.013 px
c = 0.614 px
xc = 5.569 px
yc = 5.944 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 91518.7695
Standard deviation: 17.26577
R^2: 0.98860
Parameters:
a = 113.97289
b = 1511.47614
c = 52.75883
d = 0.51865

Bead 2385

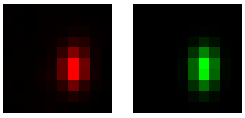
Date : Mon Oct 17 13:29:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

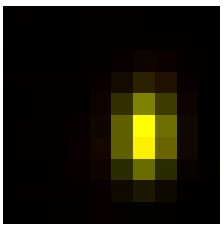
Coordinates : -78.5 um (x), -27.4 um (y), 52.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	603 nm	624 nm	223 nm
z	1.14 um	1.15 um	885 nm
Asymmetry	0.636		
Theta	87.7°		

XY profile & fitting parameters :

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

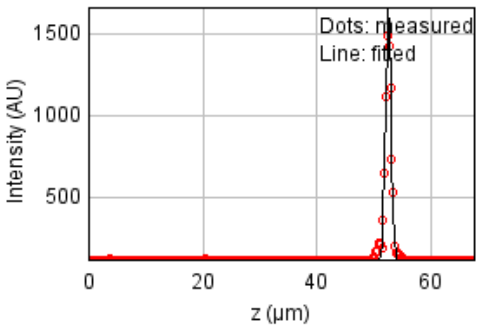




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.993

Parameters:
A = 1725.129 (brightness)
B = 128.059 (background)
a = 0.909 px
b = 0.021 px
c = 0.370 px
xc = 6.031 px
yc = 5.412 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 84299.5377
Standard deviation: 16.57080
R^2: 0.99082
Parameters:
a = 114.09237
b = 1659.38857
c = 52.59793
d = 0.48502

Bead 2386

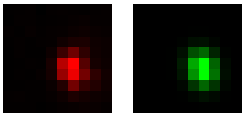
Date : Mon Oct 17 13:29:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

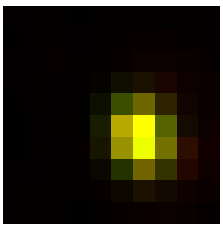
Coordinates : 70.6 um (x), -38.2 um (y), 52.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	438 nm	452 nm	223 nm
max	552 nm	571 nm	223 nm
z	1.22 um	1.22 um	885 nm
Asymmetry	0.792		
Theta	-74.2°		

XY profile & fitting parameters :

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

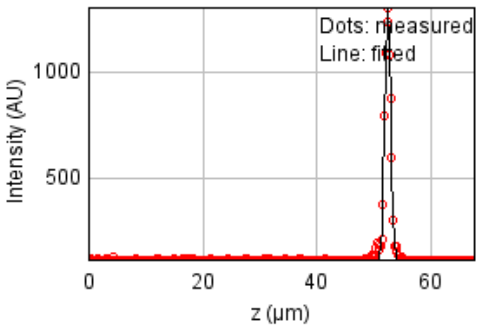




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

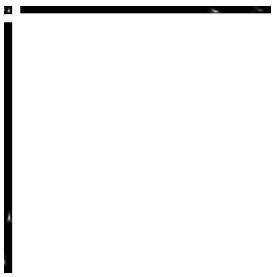
Parameters:
A = 1242.865 (brightness)
B = 124.954 (background)
a = 0.681 px
b = -0.068 px
c = 0.459 px
xc = 5.852 px
yc = 5.471 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66277.3606
Standard deviation: 14.69310
R^2: 0.98885
Parameters:
a = 114.05455
b = 1318.99931
c = 52.50395
d = 0.51623

Bead 2387



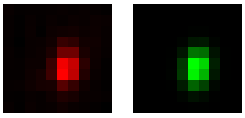
Date : Mon Oct 17 13:29:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

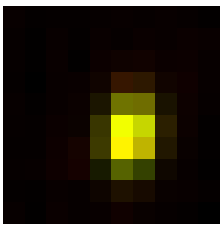
Coordinates : -134 um (x), -55.7 um (y), 52.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	568 nm	588 nm	223 nm
z	1.18 um	1.18 um	885 nm
Asymmetry	0.688		
Theta	82.3°		

XY profile & fitting parameters :

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

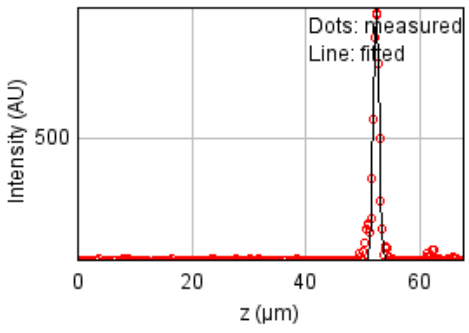




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 979.984 (brightness)
B = 122.026 (background)
a = 0.870 px
b = 0.061 px
c = 0.424 px
xc = 5.370 px
yc = 5.389 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61995.7552
Standard deviation: 14.21058
R^2: 0.97618
Parameters:
a = 114.08777
b = 918.57222
c = 52.42670
d = 0.50032

Bead 2388

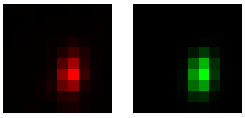
Date : Mon Oct 17 13:29:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

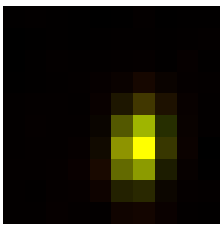
Coordinates : -99.9 um (x), -58.1 um (y), 52.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	356 nm	368 nm	223 nm
max	571 nm	591 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.624		
Theta	82.2°		

XY profile & fitting parameters :

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

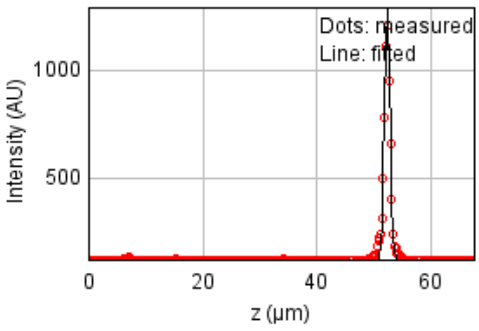




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.988

Parameters:
A = 1245.088 (brightness)
B = 125.092 (background)
a = 1.046 px
b = 0.086 px
c = 0.423 px
xc = 5.767 px
yc = 5.955 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51623.4505
Standard deviation: 12.96744
R^2: 0.99059
Parameters:
a = 114.28357
b = 1303.87173
c = 52.41542
d = 0.48899

Bead 2389

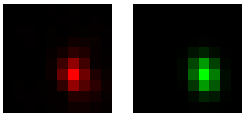
Date : Mon Oct 17 13:29:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

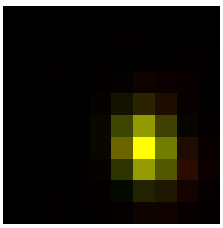
Coordinates : 18.1 um (x), -63.1 um (y), 52.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	412 nm	223 nm
max	525 nm	543 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.759		
Theta	-77.3°		

XY profile & fitting parameters :

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

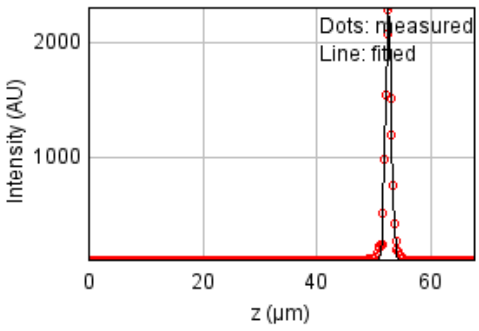




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 2071.584 (brightness)
B = 136.038 (background)
a = 0.827 px
b = -0.077 px
c = 0.504 px
xc = 6.070 px
yc = 6.010 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 147928.573
Standard deviation: 21.95113
R^2: 0.99251
Parameters:
a = 115.17483
b = 2305.78534
c = 52.61815
d = 0.52158

Bead 2390

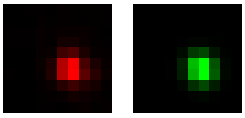
Date : Mon Oct 17 13:29:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

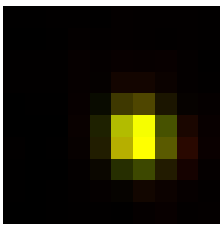
Coordinates : 96.7 um (x), -78.4 um (y), 52.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	429 nm	443 nm	223 nm
max	465 nm	481 nm	223 nm
z	1.29 um	1.29 um	885 nm
Asymmetry	0.922		
Theta	-67.2°		

XY profile & fitting parameters :

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

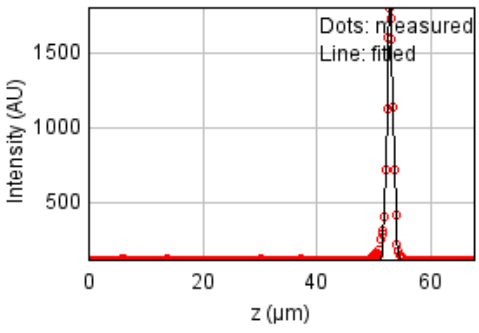




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.985

Parameters:
A = 2007.699 (brightness)
B = 129.179 (background)
a = 0.713 px
b = -0.039 px
c = 0.636 px
xc = 5.738 px
yc = 5.491 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 75069.5724
Standard deviation: 15.63734
R^2: 0.99411
Parameters:
a = 113.15973
b = 1834.32018
c = 52.90477
d = 0.54664

Bead 2391

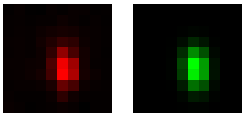
Date : Mon Oct 17 13:29:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

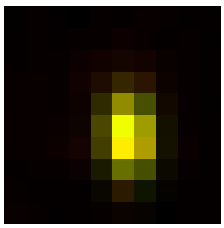
Coordinates : -105 um (x), 56.4 um (y), 52.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	401 nm	223 nm
max	628 nm	650 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.618		
Theta	-86.0°		

XY profile & fitting parameters :

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

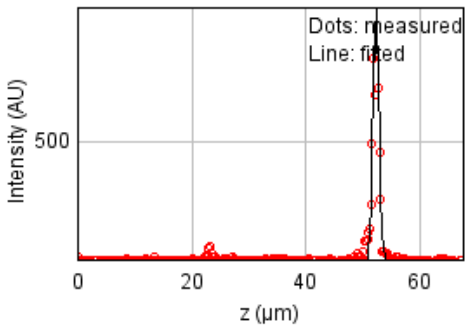




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

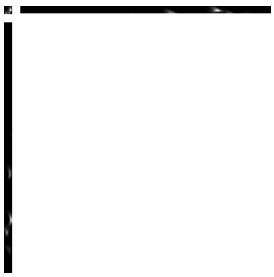
Parameters:
A = 989.953 (brightness)
B = 123.149 (background)
a = 0.889 px
b = -0.038 px
c = 0.343 px
xc = 5.241 px
yc = 5.416 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 112074.914
Standard deviation: 19.10667
R^2: 0.96106
Parameters:
a = 114.51075
b = 934.09335
c = 52.37283
d = 0.52555

Bead 2392



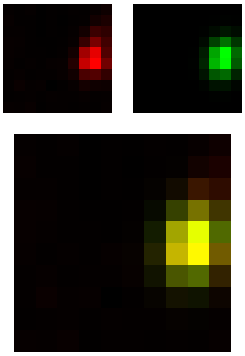
Date : Mon Oct 17 13:29:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 30.8 um (x), 51.4 um (y), 53.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	445 nm	460 nm	223 nm
max	577 nm	596 nm	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.772		
Theta	76.8°		

XY profile & fitting parameters :

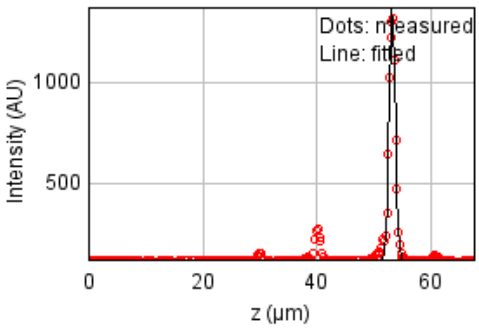
(red : the orignal data, green : the fit, yellow : the two merged)



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

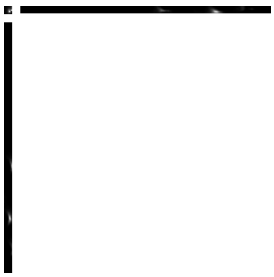
Parameters:
A = 1290.330 (brightness)
B = 121.874 (background)
a = 0.662 px
b = 0.061 px
c = 0.418 px
xc = 7.785 px
yc = 4.498 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 180861.112
Standard deviation: 24.27188
R^2: 0.97307
Parameters:
a = 121.39845
b = 1370.77263
c = 53.27501
d = 0.53468

Bead 2393



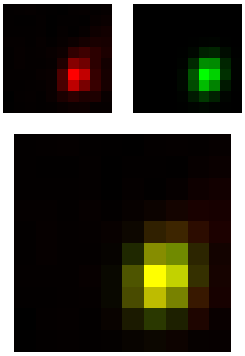
Date : Mon Oct 17 13:29:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 123 um (x), 43.8 um (y), 52.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	444 nm	459 nm	223 nm
max	566 nm	585 nm	223 nm
z	1.49 um	1.5 um	885 nm
Asymmetry	0.785		
Theta	69.0°		

XY profile & fitting parameters :

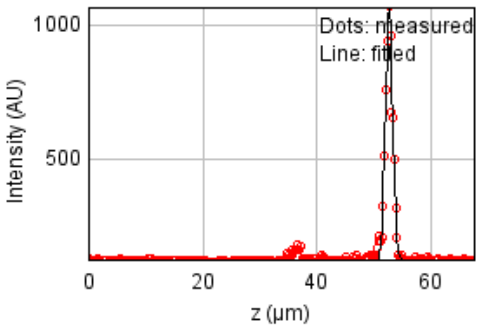
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 974.879 (brightness)
B = 124.979 (background)
a = 0.646 px
b = 0.088 px
c = 0.452 px
xc = 6.336 px
yc = 6.093 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 87117.2547
Standard deviation: 16.84546
R^2: 0.98112
Parameters:
a = 116.41065
b = 1074.53868
c = 52.72817
d = 0.63312

Bead 2394

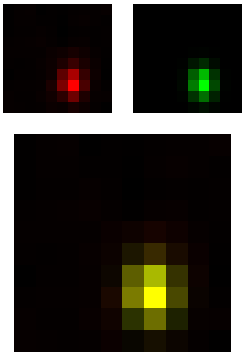
Date : Mon Oct 17 13:29:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -161 um (x), 34.8 um (y), 52.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	367 nm	379 nm	223 nm
max	480 nm	497 nm	223 nm
z	1.26 um	1.27 um	885 nm
Asymmetry	0.764		
Theta	-86.5°		

XY profile & fitting parameters :

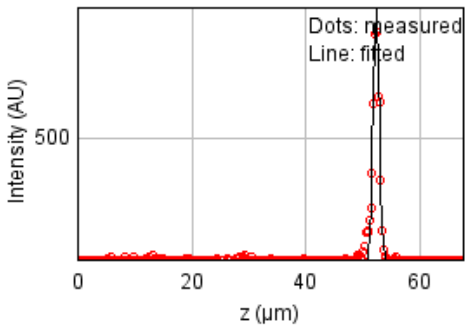
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 893.930 (brightness)
B = 120.695 (background)
a = 0.994 px
b = -0.025 px
c = 0.583 px
xc = 5.860 px
yc = 6.773 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66227.2813
Standard deviation: 14.68755
R^2: 0.97603
Parameters:
a = 111.89576
b = 913.69284
c = 52.41021
d = 0.53562

Bead 2395

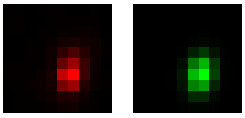
Date : Mon Oct 17 13:29:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

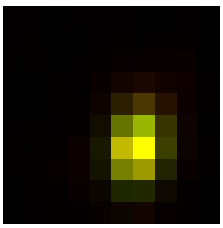
Coordinates : -148 um (x), -15.6 um (y), 52.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	407 nm	223 nm
max	570 nm	589 nm	223 nm
z	1.2 um	1.2 um	885 nm
Asymmetry	0.692		
Theta	81.6°		

XY profile & fitting parameters :

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

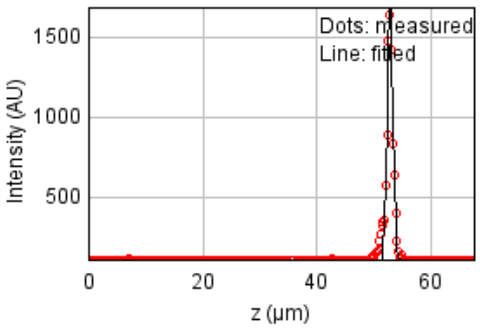




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1592.757 (brightness)
B = 127.366 (background)
a = 0.855 px
b = 0.065 px
c = 0.423 px
xc = 5.691 px
yc = 5.953 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 185709.889
Standard deviation: 24.59508
R^2: 0.98225
Parameters:
a = 114.26591
b = 1720.76366
c = 52.90735
d = 0.50771

Bead 2396

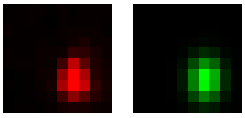
Date : Mon Oct 17 13:29:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

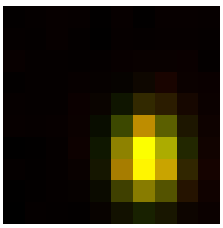
Coordinates : 109 um (x), -29.8 um (y), 52.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	500 nm	517 nm	223 nm
max	650 nm	672 nm	223 nm
z	1.28 um	1.28 um	885 nm
Asymmetry	0.77		
Theta	89.7°		

XY profile & fitting parameters :

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

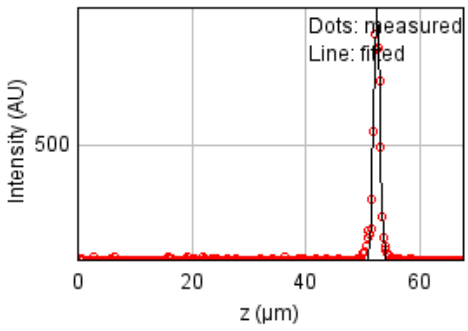




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

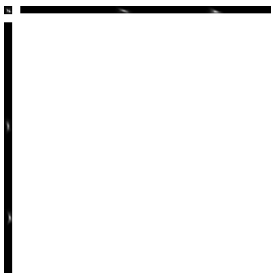
Parameters:
A = 817.534 (brightness)
B = 115.473 (background)
a = 0.537 px
b = 0.001 px
c = 0.318 px
xc = 6.129 px
yc = 6.433 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 80386.0516
Standard deviation: 16.18159
R^2: 0.97485
Parameters:
a = 111.56716
b = 968.22075
c = 52.50789
d = 0.54242

Bead 2397



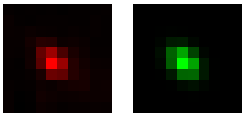
Date : Mon Oct 17 13:29:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

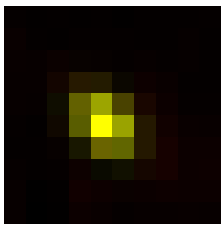
Coordinates : 102 um (x), -44.4 um (y), 27.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	377 nm	389 nm	223 nm
max	533 nm	551 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.707		
Theta	-47.5°		

XY profile & fitting parameters :

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

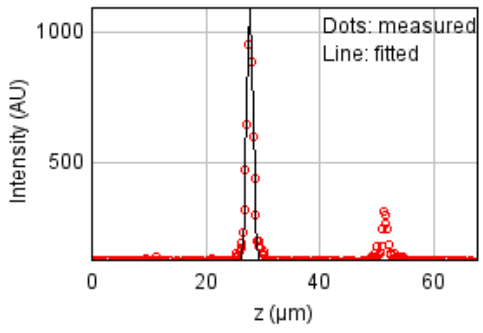




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 991.703 (brightness)
B = 128.836 (background)
a = 0.729 px
b = -0.236 px
c = 0.689 px
xc = 4.147 px
yc = 4.868 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 192833.670
Standard deviation: 25.06238
R^2: 0.95420
Parameters:
a = 119.35789
b = 1111.19766
c = 27.80756
d = 0.52109

Bead 2398 (Rejected)

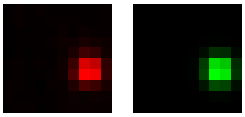
Date : Mon Oct 17 13:29:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

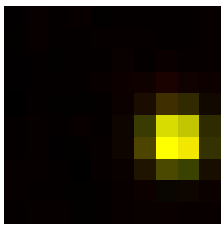
Coordinates : 145 um (x), -45.5 um (y), 49.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	435 nm	449 nm	223 nm
max	438 nm	453 nm	223 nm
z	2.92 um	2.93 um	885 nm
Asymmetry	0.993		
Theta	-87.7°		

XY profile & fitting parameters :

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

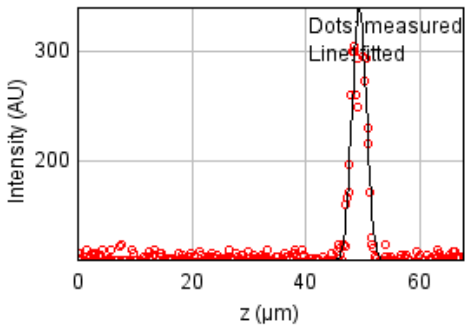




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.993

Parameters:
A = 1048.231 (brightness)
B = 113.692 (background)
a = 0.710 px
b = -0.000 px
c = 0.700 px
xc = 7.427 px
yc = 5.608 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 36150.5220
Standard deviation: 10.85146
R^2: 0.93120
Parameters:
a = 110.31827
b = 339.13928
c = 49.41367
d = 1.24043

Bead 2399

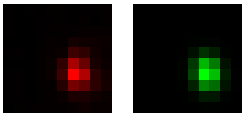
Date : Mon Oct 17 13:29:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

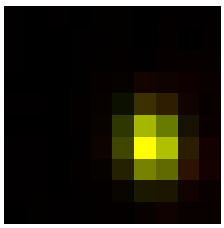
Coordinates : 72.4 um (x), -53.4 um (y), 52.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	422 nm	223 nm
max	520 nm	538 nm	223 nm
z	1.4 um	1.4 um	885 nm
Asymmetry	0.786		
Theta	-80.7°		

XY profile & fitting parameters :

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

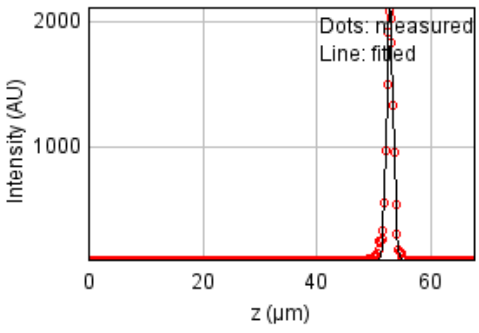




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 1988.684 (brightness)
B = 135.050 (background)
a = 0.796 px
b = -0.049 px
c = 0.504 px
xc = 6.306 px
yc = 5.864 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 82721.3846
Standard deviation: 16.41496
R^2: 0.99561
Parameters:
a = 113.46266
b = 2125.61664
c = 52.88702
d = 0.59293

Bead 2400

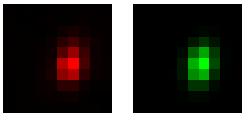
Date : Mon Oct 17 13:29:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

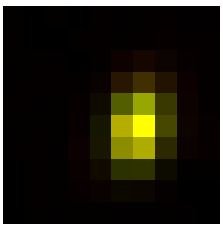
Coordinates : -143 um (x), -58.3 um (y), 52.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	411 nm	223 nm
max	582 nm	602 nm	223 nm
z	1.18 um	1.18 um	885 nm
Asymmetry	0.682		
Theta	78.0°		

XY profile & fitting parameters :

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

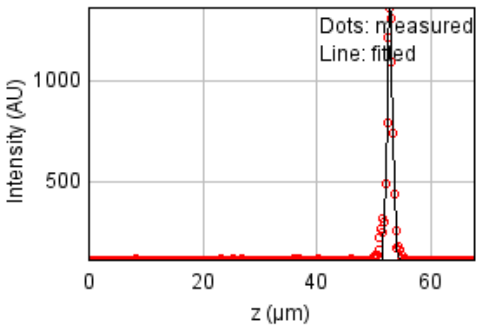




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.989

Parameters:
A = 1293.135 (brightness)
B = 124.573 (background)
a = 0.831 px
b = 0.092 px
c = 0.416 px
xc = 5.723 px
yc = 5.082 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 108879.834
Standard deviation: 18.83235
R^2: 0.98281
Parameters:
a = 113.30578
b = 1372.01241
c = 52.87842
d = 0.50078