Bead 2901 (Rejected)

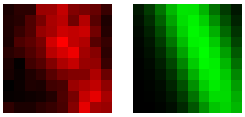
Date : Mon Oct 17 13:30:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -39.0 um (x), 79.9 um (y), 60.7 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	1.01 um	1.05 um	223 nm
max	5.06 um	5.23 um	223 nm
z	2.42 um	2.43 um	885 nm
Asymmetry	0.2		
Theta	-68.7°		

XY profile & fitting parameters :

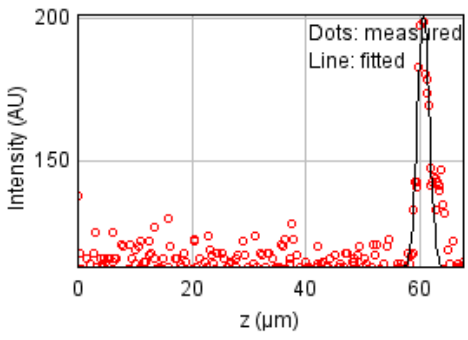
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.864

Parameters:
A = 127.671 (brightness)
B = 122.953 (background)
a = 0.114 px
b = -0.043 px
c = 0.022 px
xc = 5.852 px
yc = 3.674 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18025.0113
Standard deviation: 7.66247
R^2: 0.77438
Parameters:
a = 112.65502
b = 201.46357
c = 60.66640
d = 1.02905

Bead 2902

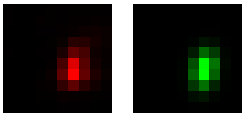
Date : Mon Oct 17 13:30:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

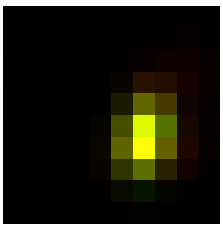
Coordinates : -25.7 um (x), 79.1 um (y), 62.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	368 nm	381 nm	223 nm
max	571 nm	590 nm	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.645		
Theta	79.7°		

XY profile & fitting parameters :

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

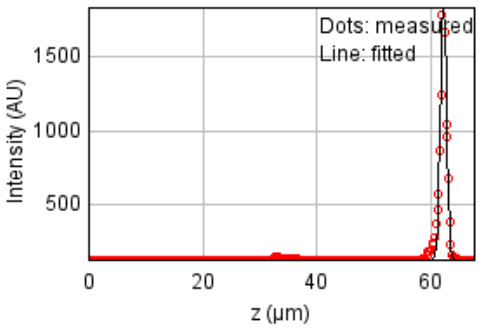




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 2001.254 (brightness)
B = 135.191 (background)
a = 0.971 px
b = 0.101 px
c = 0.430 px
xc = 6.046 px
yc = 5.517 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 386606.383
Standard deviation: 35.48668
R^2: 0.97050
Parameters:
a = 116.54481
b = 1838.08090
c = 62.24439
d = 0.54832

Bead 2903 (Rejected)

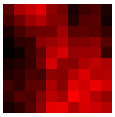
Date : Mon Oct 17 13:30:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -38.9 um (x), 79.4 um (y), 60.7 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	2.42 um	2.43 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

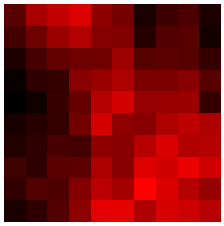
XY profile & fitting parameters :

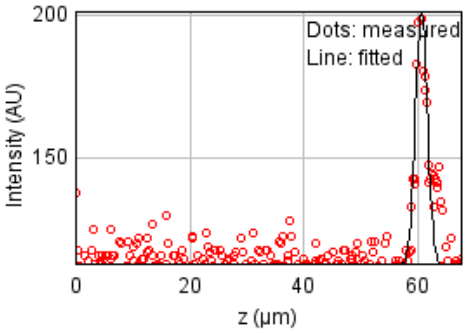
(red : the orignal data, green : the fit, yellow : the two merged)



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

Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18025.0113
Standard deviation: 7.66247
R^2: 0.77438
Parameters:
a = 112.65502
b = 201.46357
c = 60.66640
d = 1.02905

Bead 2904 (Rejected)

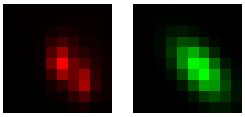
Date : Mon Oct 17 13:30:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

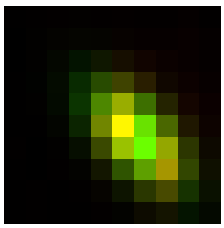
Coordinates : -80.6 um (x), 77.8 um (y), 62.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	514 nm	532 nm	223 nm
max	979 nm	1.01 um	223 nm
z	2.45 um	2.46 um	885 nm
Asymmetry	0.525		
Theta	-49.1°		

XY profile & fitting parameters :

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

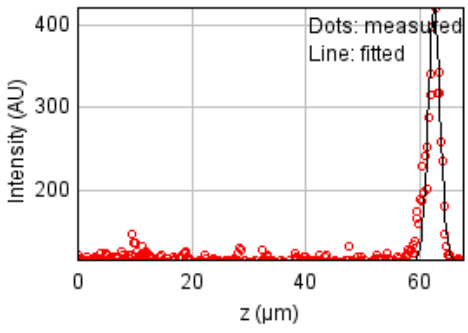




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.875

Parameters:
A = 1680.493 (brightness)
B = 129.079 (background)
a = 0.350 px
b = -0.182 px
c = 0.297 px
xc = 5.623 px
yc = 5.475 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56225.2472
Standard deviation: 13.53308
R^2: 0.92986
Parameters:
a = 115.14748
b = 421.85235
c = 62.55064
d = 1.04008

Bead 2905

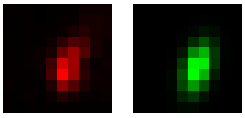
Date : Mon Oct 17 13:30:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

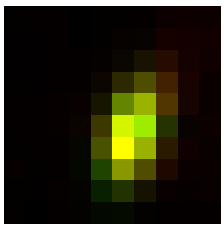
Coordinates : 28.0 um (x), 77.1 um (y), 61.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	766 nm	792 nm	223 nm
z	1.43 um	1.43 um	885 nm
Asymmetry	0.534		
Theta	72.2°		

XY profile & fitting parameters :

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

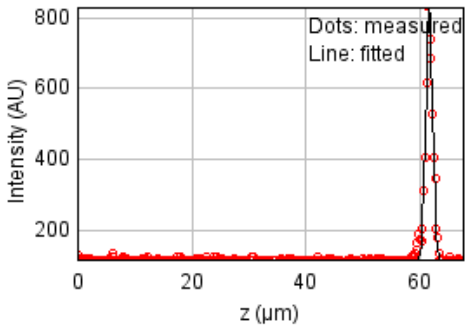




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.945

Parameters:
A = 894.929 (brightness)
B = 124.874 (background)
a = 0.749 px
b = 0.167 px
c = 0.282 px
xc = 5.404 px
yc = 5.338 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44155.9223
Standard deviation: 11.99293
R^2: 0.98227
Parameters:
a = 113.70226
b = 833.07504
c = 61.66169
d = 0.60596

Bead 2906 (Rejected)

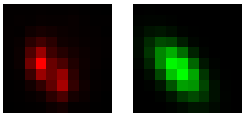
Date : Mon Oct 17 13:30:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

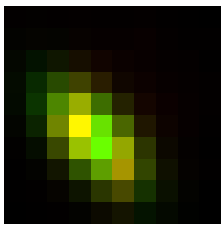
Coordinates : -80.6 um (x), 77.8 um (y), 62.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	511 nm	528 nm	223 nm
max	974 nm	1.01 um	223 nm
z	2.45 um	2.46 um	885 nm
Asymmetry	0.524		
Theta	-49.1°		

XY profile & fitting parameters :

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

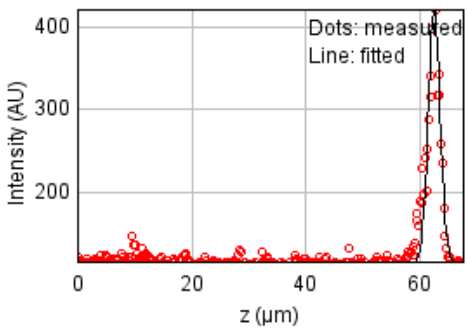




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.876

Parameters:
A = 1679.821 (brightness)
B = 134.365 (background)
a = 0.354 px
b = -0.185 px
c = 0.301 px
xc = 3.621 px
yc = 5.475 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56225.2472
Standard deviation: 13.53308
R^2: 0.92986
Parameters:
a = 115.14748
b = 421.85235
c = 62.55064
d = 1.04008

Bead 2907

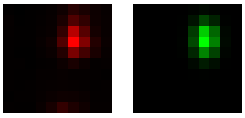
Date : Mon Oct 17 13:30:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

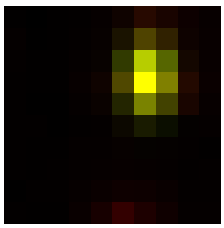
Coordinates : -107 um (x), 76.0 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	370 nm	383 nm	223 nm
max	548 nm	567 nm	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.675		
Theta	-89.7°		

XY profile & fitting parameters :

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

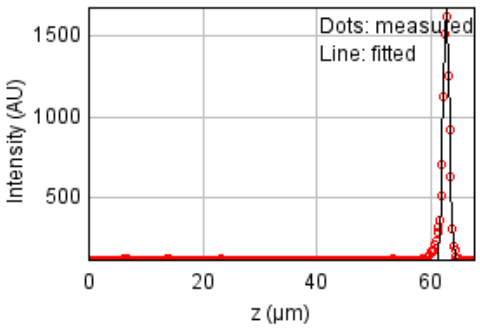




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

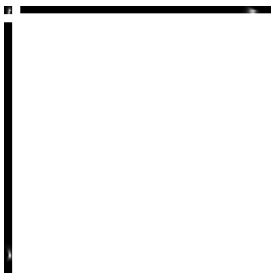
Parameters:
A = 1584.310 (brightness)
B = 143.204 (background)
a = 0.978 px
b = -0.003 px
c = 0.446 px
xc = 6.146 px
yc = 2.751 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 121004.374
Standard deviation: 19.85324
R^2: 0.98863
Parameters:
a = 115.15784
b = 1681.02686
c = 62.73992
d = 0.54847

Bead 2908 (Rejected)



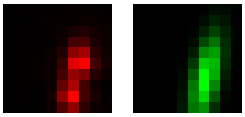
Date : Mon Oct 17 13:30:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

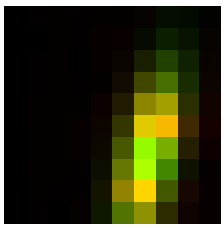
Coordinates : -92.6 um (x), 71.2 um (y), 62.8 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	428 nm	443 nm	223 nm
max	1.37 um	1.42 um	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.312		
Theta	77.8°		

XY profile & fitting parameters :

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

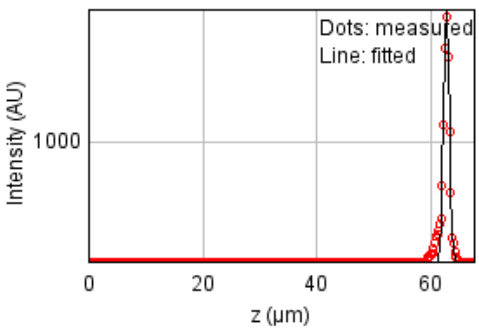




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.889

Parameters:
A = 1681.245 (brightness)
B = 125.019 (background)
a = 0.702 px
b = 0.136 px
c = 0.100 px
xc = 6.171 px
yc = 6.356 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 241027.207
Standard deviation: 28.01972
R^2: 0.98306
Parameters:
a = 118.51577
b = 1997.12928
c = 62.78713
d = 0.50513

Bead 2909

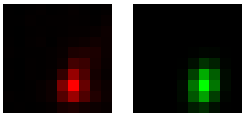
Date : Mon Oct 17 13:30:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

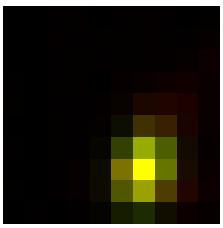
Coordinates : 31.2 um (x), 69.3 um (y), 62.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	419 nm	223 nm
max	572 nm	591 nm	223 nm
z	1.24 um	1.25 um	885 nm
Asymmetry	0.709		
Theta	76.7°		

XY profile & fitting parameters :

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

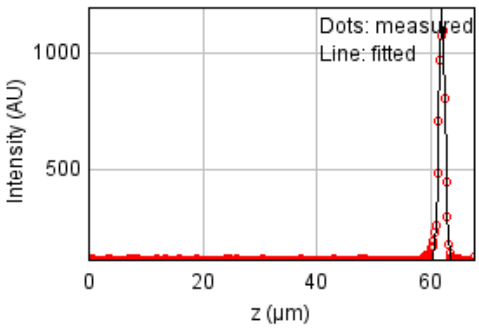




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 1057.281 (brightness)
B = 125.499 (background)
a = 0.795 px
b = 0.091 px
c = 0.432 px
xc = 6.011 px
yc = 6.960 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47959.4094
Standard deviation: 12.49878
R^2: 0.99034
Parameters:
a = 114.03568
b = 1204.23571
c = 61.96154
d = 0.52788

Bead 2910 (Rejected)

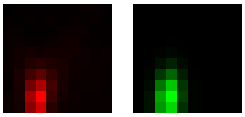
Date : Mon Oct 17 13:30:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

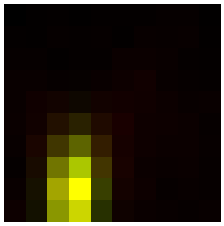
Coordinates : -26.0 um (x), 62.2 um (y), 59.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	394 nm	223 nm
max	793 nm	820 nm	223 nm
z	3.06 um	3.07 um	885 nm
Asymmetry	0.481		
Theta	86.4°		

XY profile & fitting parameters :

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

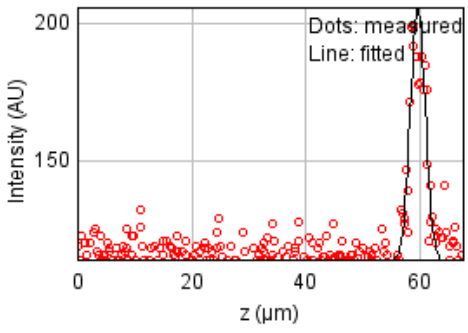




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 1317.705 (brightness)
B = 159.582 (background)
a = 0.919 px
b = 0.044 px
c = 0.216 px
xc = 2.731 px
yc = 8.142 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 16330.6998
Standard deviation: 7.29345
R^2: 0.83566
Parameters:
a = 113.53382
b = 205.80430
c = 59.67083
d = 1.29894

Bead 2911

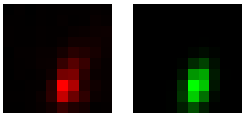
Date : Mon Oct 17 13:30:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

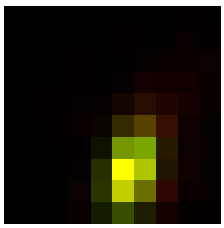
Coordinates : 29.6 um (x), 56.8 um (y), 62.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	361 nm	373 nm	223 nm
max	638 nm	660 nm	223 nm
z	1.38 um	1.39 um	885 nm
Asymmetry	0.565		
Theta	74.5°		

XY profile & fitting parameters :

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

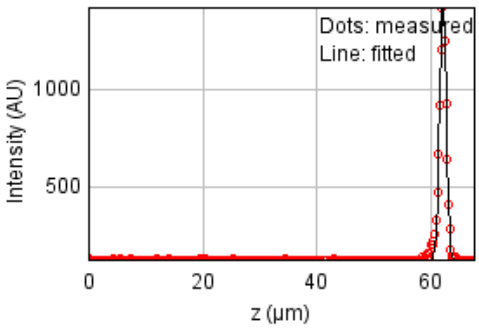




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

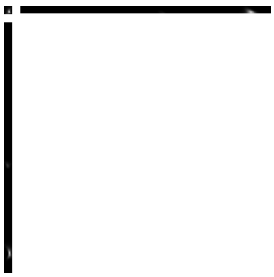
Parameters:
A = 1336.609 (brightness)
B = 136.902 (background)
a = 0.982 px
b = 0.181 px
c = 0.379 px
xc = 5.363 px
yc = 7.035 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 60771.2142
Standard deviation: 14.06954
R^2: 0.99261
Parameters:
a = 116.13349
b = 1451.31108
c = 62.14385
d = 0.58628

Bead 2912



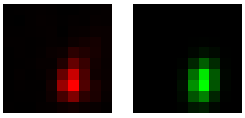
Date : Mon Oct 17 13:30:06 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

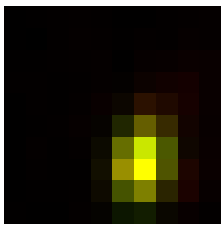
Coordinates : 18.5 um (x), 56.0 um (y), 62.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	407 nm	223 nm
max	590 nm	610 nm	223 nm
z	1.33 um	1.33 um	885 nm
Asymmetry	0.668		
Theta	80.5°		

XY profile & fitting parameters :

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

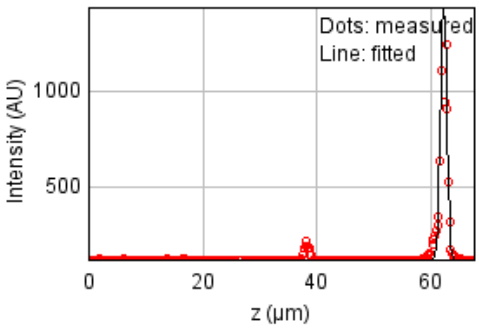




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 1443.525 (brightness)
B = 129.316 (background)
a = 0.851 px
b = 0.078 px
c = 0.399 px
xc = 5.875 px
yc = 6.653 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 363443.379
Standard deviation: 34.40719
R^2: 0.95485
Parameters:
a = 117.35702
b = 1438.25299
c = 62.28042
d = 0.56346

Bead 2913

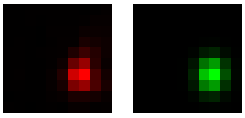
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

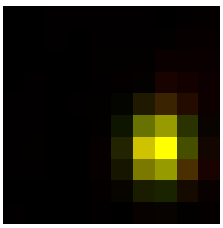
Coordinates : 21.9 um (x), 44.0 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	431 nm	445 nm	223 nm
max	518 nm	536 nm	223 nm
z	1.21 um	1.22 um	885 nm
Asymmetry	0.831		
Theta	86.3°		

XY profile & fitting parameters :

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

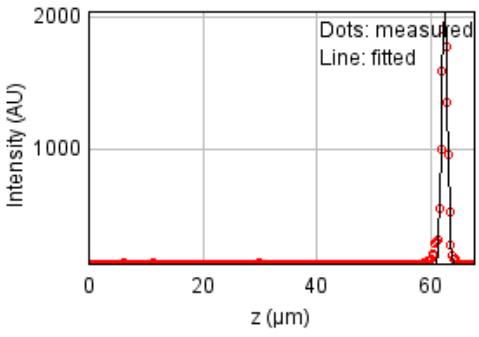




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 2072.240 (brightness)
B = 129.773 (background)
a = 0.723 px
b = 0.014 px
c = 0.500 px
xc = 6.691 px
yc = 6.008 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 116546.805
Standard deviation: 19.48413
R^2: 0.99234
Parameters:
a = 116.01573
b = 2048.10561
c = 62.44797
d = 0.51591

Bead 2914

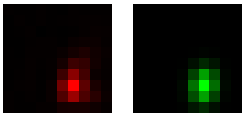
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

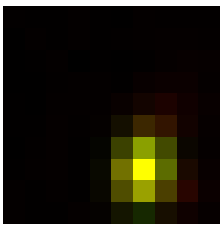
Coordinates : 46.6 um (x), 43.3 um (y), 62.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	413 nm	223 nm
max	538 nm	557 nm	223 nm
z	1.18 um	1.18 um	885 nm
Asymmetry	0.743		
Theta	83.8°		

XY profile & fitting parameters :

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

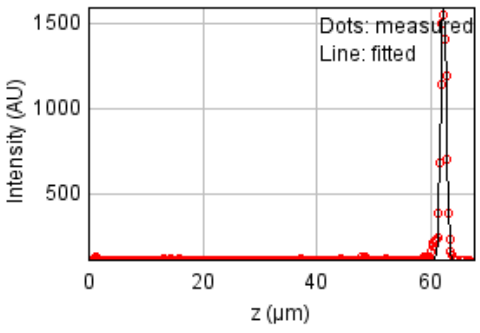




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 1355.969 (brightness)
B = 128.101 (background)
a = 0.835 px
b = 0.040 px
c = 0.467 px
xc = 5.987 px
yc = 7.005 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 77166.5523
Standard deviation: 15.85424
R^2: 0.99112
Parameters:
a = 114.88355
b = 1595.46316
c = 62.25966
d = 0.50054

Bead 2915

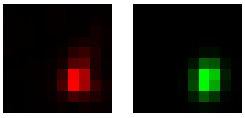
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

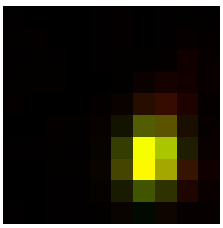
Coordinates : 65.0 um (x), 40.2 um (y), 62.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	410 nm	223 nm
max	514 nm	532 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.771		
Theta	77.8°		

XY profile & fitting parameters :

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

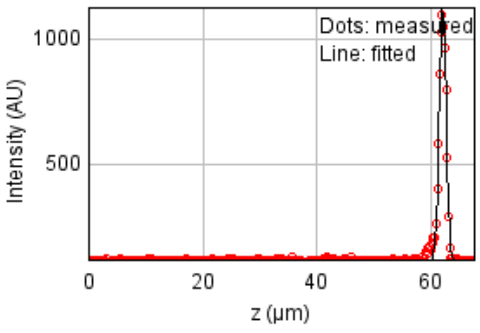




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 1134.340 (brightness)
B = 124.190 (background)
a = 0.837 px
b = 0.071 px
c = 0.522 px
xc = 6.311 px
yc = 6.432 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46625.4237
Standard deviation: 12.32373
R^2: 0.99047
Parameters:
a = 113.72339
b = 1130.98218
c = 62.10222
d = 0.59991

Bead 2916

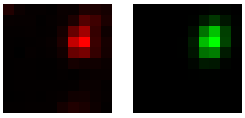
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

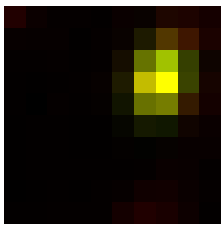
Coordinates : 49.4 um (x), 35.2 um (y), 62.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	537 nm	555 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.738		
Theta	73.5°		

XY profile & fitting parameters :

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

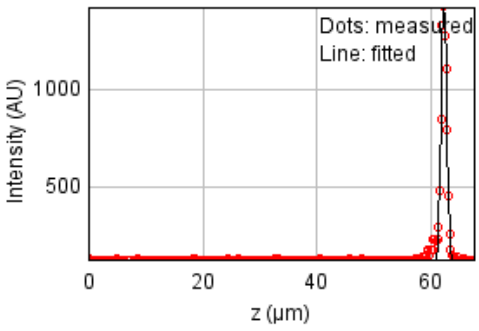




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.945

Parameters:
A = 1352.769 (brightness)
B = 138.484 (background)
a = 0.825 px
b = 0.106 px
c = 0.497 px
xc = 6.708 px
yc = 2.840 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 90207.2359
Standard deviation: 17.14161
R^2: 0.98688
Parameters:
a = 115.81281
b = 1442.96328
c = 62.32886
d = 0.49068

Bead 2917

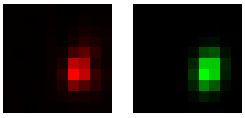
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

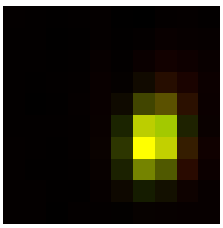
Coordinates : 70.5 um (x), 33.3 um (y), 62.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	400 nm	223 nm
max	564 nm	583 nm	223 nm
z	1.43 um	1.44 um	885 nm
Asymmetry	0.685		
Theta	78.8°		

XY profile & fitting parameters :

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

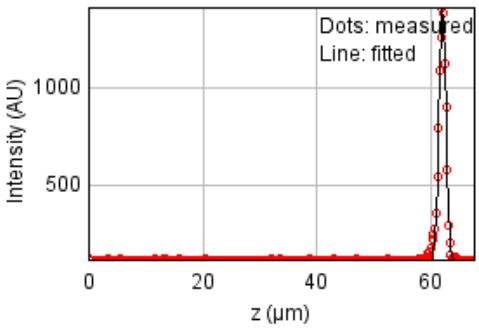




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1417.305 (brightness)
B = 126.526 (background)
a = 0.880 px
b = 0.090 px
c = 0.440 px
xc = 6.418 px
yc = 5.660 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 57192.4447
Standard deviation: 13.64898
R^2: 0.99294
Parameters:
a = 113.53248
b = 1416.32966
c = 62.05784
d = 0.60766

Bead 2918

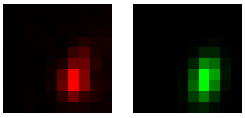
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

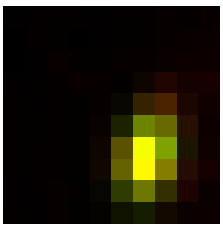
Coordinates : 82.1 um (x), 29.4 um (y), 61.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	417 nm	223 nm
max	647 nm	669 nm	223 nm
z	1.23 um	1.23 um	885 nm
Asymmetry	0.623		
Theta	76.7°		

XY profile & fitting parameters :

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

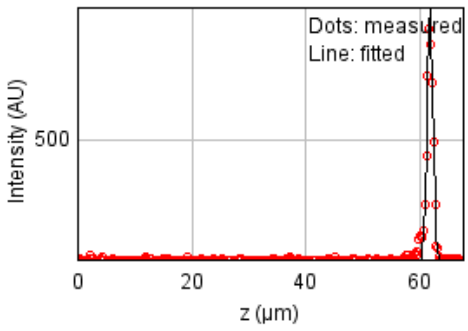




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

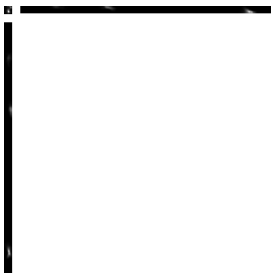
Parameters:
A = 895.292 (brightness)
B = 119.207 (background)
a = 0.798 px
b = 0.113 px
c = 0.347 px
xc = 6.156 px
yc = 6.403 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38594.2067
Standard deviation: 11.21223
R^2: 0.98583
Parameters:
a = 113.37656
b = 924.21223
c = 61.81122
d = 0.52130

Bead 2919



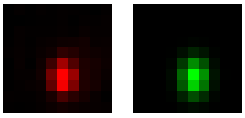
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

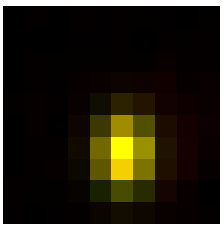
Coordinates : 125 um (x), -24.3 um (y), 61.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	442 nm	223 nm
max	577 nm	596 nm	223 nm
z	1.4 um	1.41 um	885 nm
Asymmetry	0.74		
Theta	88.9°		

XY profile & fitting parameters :

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

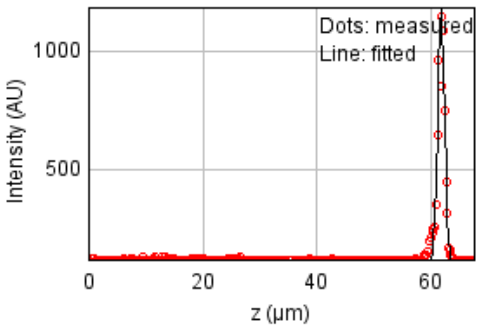




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1123.517 (brightness)
B = 123.128 (background)
a = 0.735 px
b = 0.006 px
c = 0.403 px
xc = 5.111 px
yc = 6.244 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 190062.392
Standard deviation: 24.88163
R^2: 0.96558
Parameters:
a = 112.41002
b = 1184.29529
c = 61.82624
d = 0.59452

Bead 2920 (Rejected)

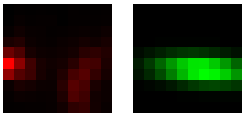
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

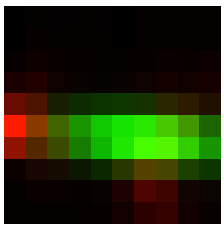
Coordinates : 75.4 um (x), -29.2 um (y), 61.9 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	431 nm	446 nm	223 nm
max	1.43 um	1.48 um	223 nm
z	1.44 um	1.44 um	885 nm
Asymmetry	0.302		
Theta	-4.3°		

XY profile & fitting parameters :

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

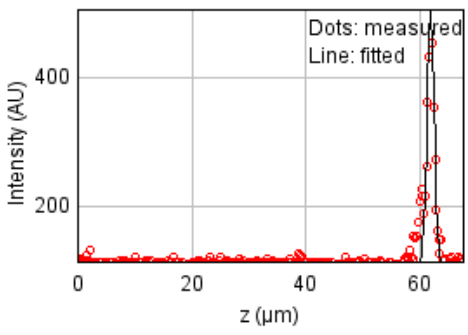




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.767

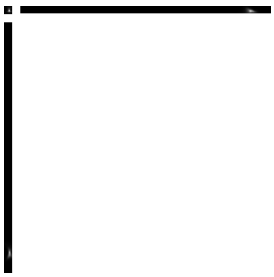
Parameters:
A = 149.155 (brightness)
B = 187.634 (background)
a = -0.061 px
b = -0.058 px
c = 0.716 px
xc = 5.911 px
yc = 5.564 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53057.7985
Standard deviation: 13.14636
R^2: 0.93361
Parameters:
a = 114.41443
b = 510.15516
c = 61.91228
d = 0.61086

Bead 2921



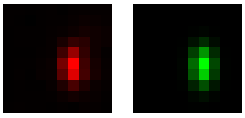
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

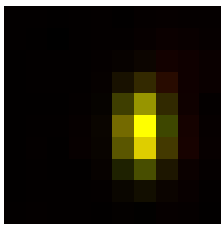
Coordinates : -38.3 um (x), -42.1 um (y), 62.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	352 nm	364 nm	223 nm
max	596 nm	617 nm	223 nm
z	1.21 um	1.21 um	885 nm
Asymmetry	0.59		
Theta	90.0°		

XY profile & fitting parameters :

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

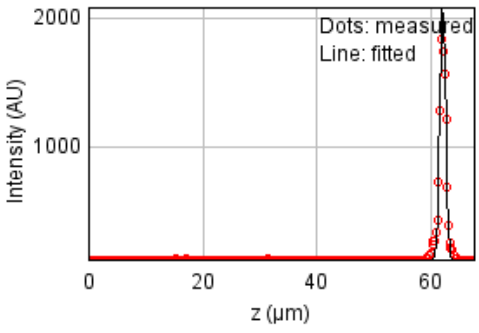




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

Parameters:
A = 2323.902 (brightness)
B = 135.320 (background)
a = 1.082 px
b = 0.000 px
c = 0.377 px
xc = 5.906 px
yc = 5.215 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 267294.654
Standard deviation: 29.50706
R^2: 0.98324
Parameters:
a = 115.55492
b = 2091.76564
c = 62.10378
d = 0.51225

Bead 2922 (Rejected)

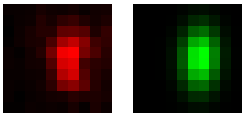
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

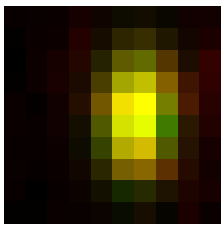
Coordinates : 147 um (x), -53.1 um (y), 60.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	567 nm	587 nm	223 nm
max	957 nm	989 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.593		
Theta	88.4°		

XY profile & fitting parameters :

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

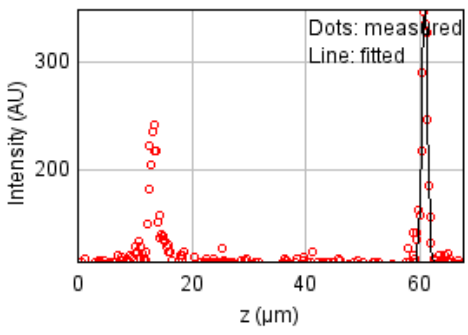




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.942

Parameters:
A = 371.521 (brightness)
B = 119.535 (background)
a = 0.416 px
b = 0.008 px
c = 0.147 px
xc = 5.643 px
yc = 4.491 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 104057.702
Standard deviation: 18.41060
R^2: 0.66969
Parameters:
a = 115.29575
b = 349.24959
c = 60.87558
d = 0.49103

Bead 2923

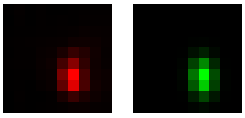
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

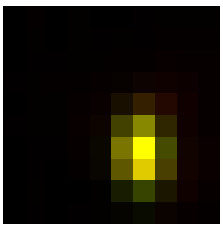
Coordinates : 87.3 um (x), -54.4 um (y), 62.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	365 nm	377 nm	223 nm
max	558 nm	577 nm	223 nm
z	1.21 um	1.22 um	885 nm
Asymmetry	0.653		
Theta	-87.2°		

XY profile & fitting parameters :

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

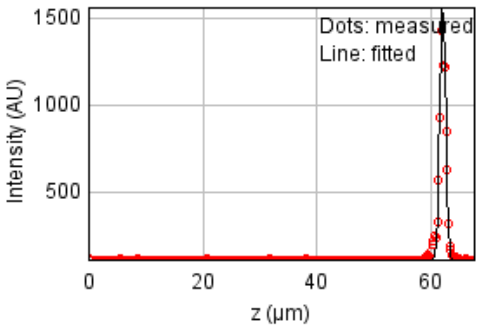




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 1775.035 (brightness)
B = 133.310 (background)
a = 1.008 px
b = -0.028 px
c = 0.432 px
xc = 5.898 px
yc = 6.224 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 216795.092
Standard deviation: 26.57391
R^2: 0.97542
Parameters:
a = 114.42862
b = 1573.83159
c = 62.10442
d = 0.51527

Bead 2924

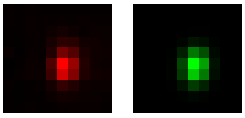
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

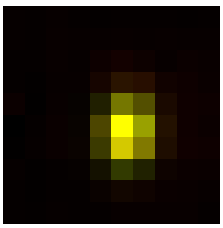
Coordinates : 141 um (x), -54.2 um (y), 61.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	517 nm	535 nm	223 nm
z	1.25 um	1.25 um	885 nm
Asymmetry	0.755		
Theta	86.5°		

XY profile & fitting parameters :

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

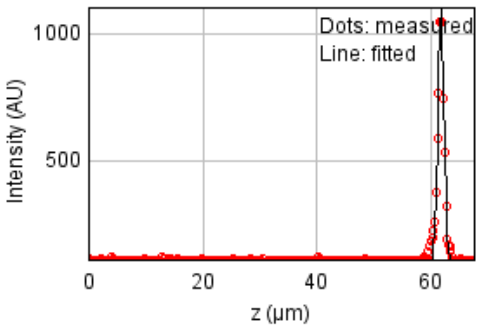




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.984

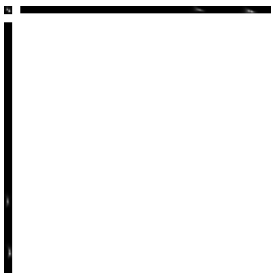
Parameters:
A = 1080.109 (brightness)
B = 125.204 (background)
a = 0.880 px
b = 0.023 px
c = 0.503 px
xc = 5.231 px
yc = 5.249 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46484.1103
Standard deviation: 12.30504
R^2: 0.98882
Parameters:
a = 111.65059
b = 1106.99548
c = 61.79730
d = 0.52974

Bead 2925



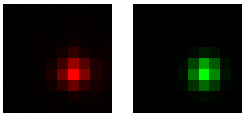
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

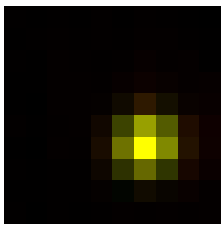
Coordinates : 145 um (x), -72.1 um (y), 62.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	428 nm	443 nm	223 nm
max	448 nm	464 nm	223 nm
z	1.5 um	1.51 um	885 nm
Asymmetry	0.955		
Theta	56.9°		

XY profile & fitting parameters :

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

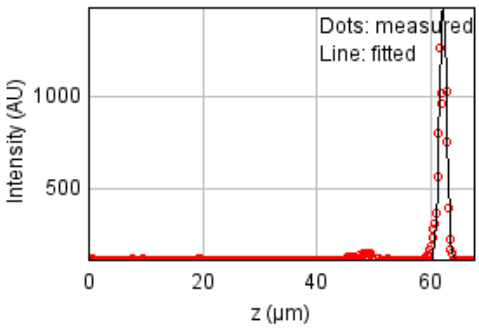




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

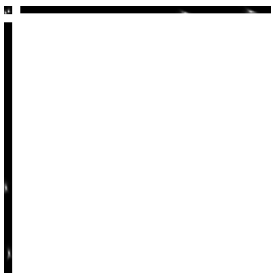
Parameters:
A = 1778.508 (brightness)
B = 124.884 (background)
a = 0.713 px
b = 0.030 px
c = 0.687 px
xc = 6.071 px
yc = 5.840 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 738085.046
Standard deviation: 49.03250
R^2: 0.92774
Parameters:
a = 115.03680
b = 1497.10047
c = 62.16565
d = 0.63699

Bead 2926



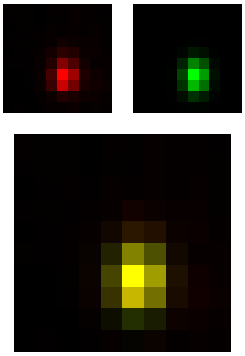
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 127 um (x), -78.6 um (y), 62.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	512 nm	530 nm	223 nm
z	1.35 um	1.36 um	885 nm
Asymmetry	0.754		
Theta	89.0°		

XY profile & fitting parameters :

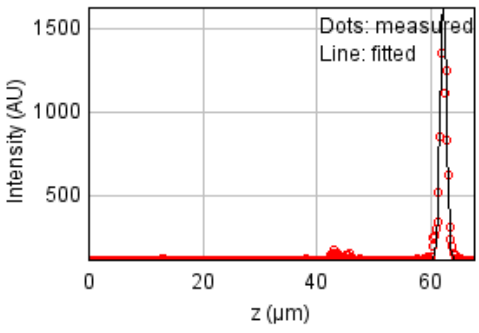
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1765.693 (brightness)
B = 129.442 (background)
a = 0.899 px
b = 0.007 px
c = 0.511 px
xc = 5.228 px
yc = 6.170 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 295294.045
Standard deviation: 31.01403
R^2: 0.97208
Parameters:
a = 116.30940
b = 1629.92551
c = 62.21717
d = 0.57415

Bead 2927

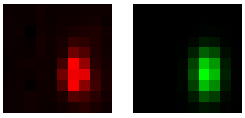
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

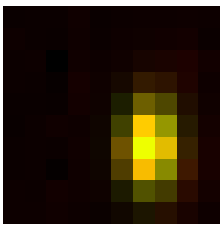
Coordinates : 44.9 um (x), -96.1 um (y), 61.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	431 nm	445 nm	223 nm
max	710 nm	734 nm	223 nm
z	1.56 um	1.57 um	885 nm
Asymmetry	0.607		
Theta	89.7°		

XY profile & fitting parameters :

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

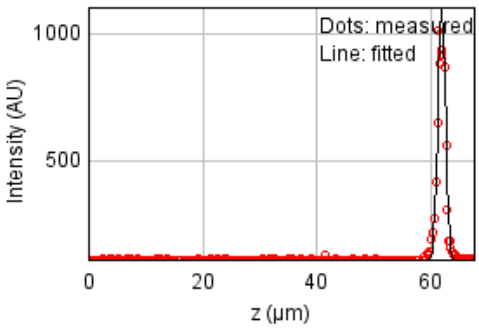




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

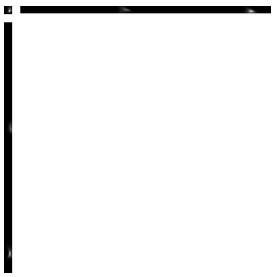
Parameters:
A = 1019.291 (brightness)
B = 123.176 (background)
a = 0.723 px
b = 0.002 px
c = 0.266 px
xc = 6.288 px
yc = 5.924 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 308373.460
Standard deviation: 31.69343
R^2: 0.94339
Parameters:
a = 113.54470
b = 1111.70783
c = 61.92547
d = 0.66327

Bead 2928



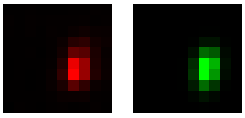
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

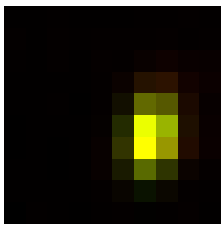
Coordinates : -56.7 um (x), 95.2 um (y), 62.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	354 nm	366 nm	223 nm
max	558 nm	576 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.634		
Theta	81.9°		

XY profile & fitting parameters :

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

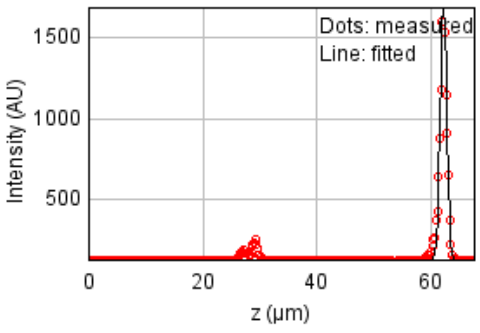




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

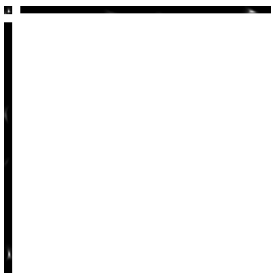
Parameters:
A = 2112.041 (brightness)
B = 129.183 (background)
a = 1.060 px
b = 0.089 px
c = 0.444 px
xc = 6.299 px
yc = 5.443 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 466058.702
Standard deviation: 38.96289
R^2: 0.96010
Parameters:
a = 120.38632
b = 1686.89747
c = 62.24953
d = 0.58521

Bead 2929



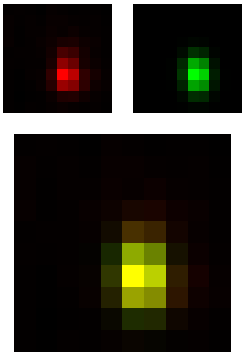
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -104 um (x), 90.4 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	560 nm	579 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.698		
Theta	-86.2°		

XY profile & fitting parameters :

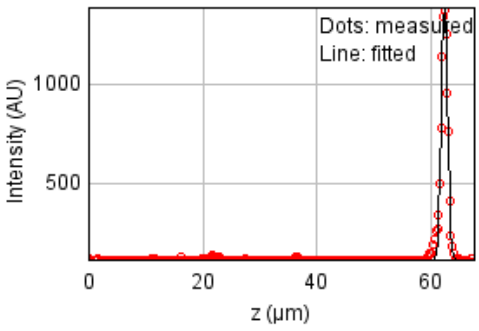
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1314.625 (brightness)
B = 127.033 (background)
a = 0.875 px
b = -0.030 px
c = 0.429 px
xc = 5.381 px
yc = 6.000 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 68250.0357
Standard deviation: 14.91016
R^2: 0.99064
Parameters:
a = 115.86351
b = 1391.49583
c = 62.43155
d = 0.56763

Bead 2930

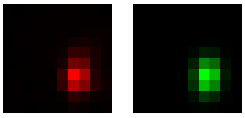
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

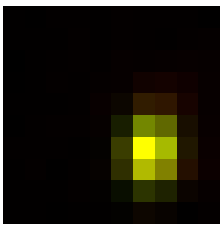
Coordinates : -36.0 um (x), 86.9 um (y), 62.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	404 nm	223 nm
max	531 nm	549 nm	223 nm
z	1.25 um	1.26 um	885 nm
Asymmetry	0.735		
Theta	86.3°		

XY profile & fitting parameters :

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

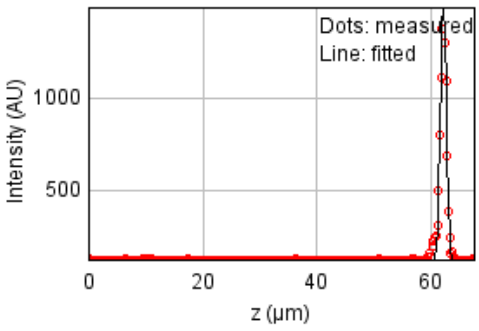




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1488.752 (brightness)
B = 126.701 (background)
a = 0.878 px
b = 0.026 px
c = 0.477 px
xc = 6.315 px
yc = 6.150 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 60366.8768
Standard deviation: 14.02265
R^2: 0.99247
Parameters:
a = 114.91527
b = 1496.88063
c = 62.22619
d = 0.53183

Bead 2931

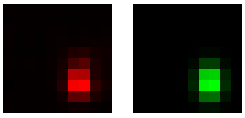
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

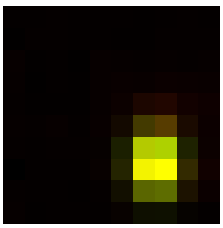
Coordinates : -59.9 um (x), 83.7 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	393 nm	223 nm
max	505 nm	522 nm	223 nm
z	1.12 um	1.12 um	885 nm
Asymmetry	0.754		
Theta	-88.9°		

XY profile & fitting parameters :

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

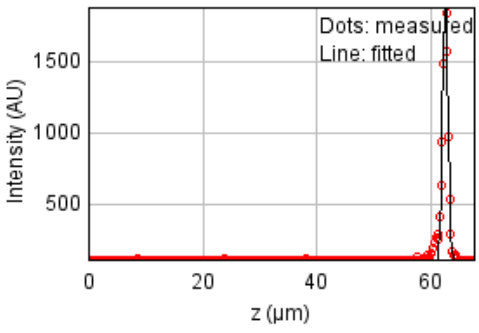




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

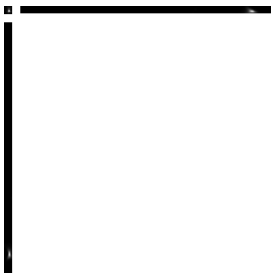
Parameters:
A = 2201.108 (brightness)
B = 130.911 (background)
a = 0.926 px
b = -0.008 px
c = 0.526 px
xc = 6.525 px
yc = 6.684 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 147301.064
Standard deviation: 21.90452
R^2: 0.98800
Parameters:
a = 116.63017
b = 1917.91611
c = 62.58421
d = 0.47574

Bead 2932



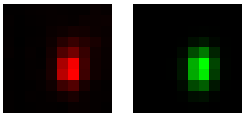
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

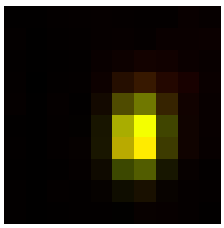
Coordinates : -45.8 um (x), 81.1 um (y), 62.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	409 nm	223 nm
max	566 nm	585 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.699		
Theta	85.4°		

XY profile & fitting parameters :

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

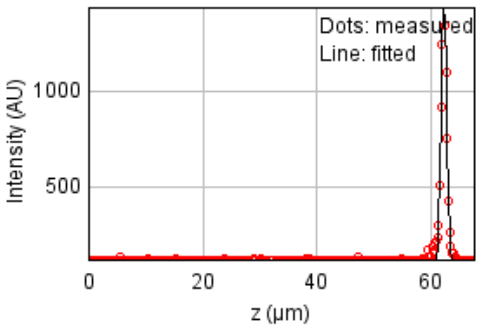




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

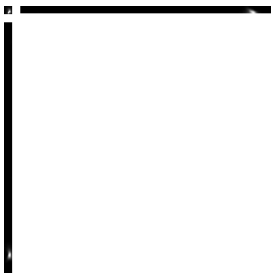
Parameters:
A = 1608.253 (brightness)
B = 129.299 (background)
a = 0.854 px
b = 0.035 px
c = 0.422 px
xc = 5.713 px
yc = 5.425 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53089.8376
Standard deviation: 13.15033
R^2: 0.99235
Parameters:
a = 115.08888
b = 1454.11391
c = 62.32139
d = 0.48954

Bead 2933 (Rejected)



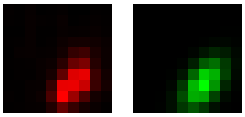
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

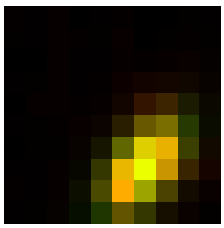
Coordinates : -116 um (x), 79.7 um (y), 62.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	481 nm	498 nm	223 nm
max	857 nm	886 nm	223 nm
z	1.45 um	1.46 um	885 nm
Asymmetry	0.562		
Theta	53.3°		

XY profile & fitting parameters :

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

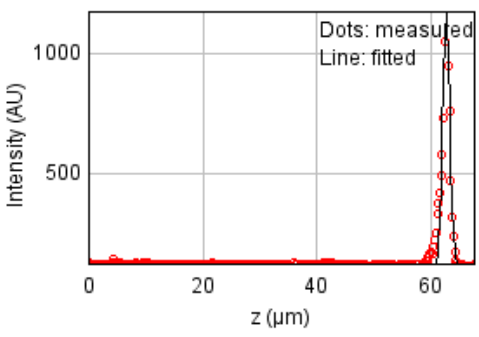




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

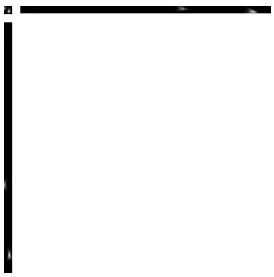
Parameters:
A = 1310.430 (brightness)
B = 123.609 (background)
a = 0.438 px
b = 0.190 px
c = 0.324 px
xc = 5.947 px
yc = 6.846 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 192131.411
Standard deviation: 25.01670
R^2: 0.96605
Parameters:
a = 116.35611
b = 1182.23022
c = 62.74510
d = 0.61727

Bead 2934



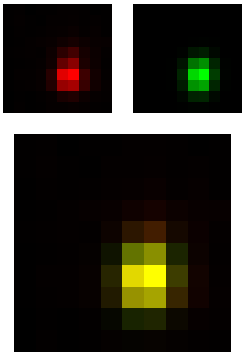
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -113 um (x), 78.3 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	512 nm	529 nm	223 nm
z	1.22 um	1.22 um	885 nm
Asymmetry	0.8		
Theta	85.0°		

XY profile & fitting parameters :

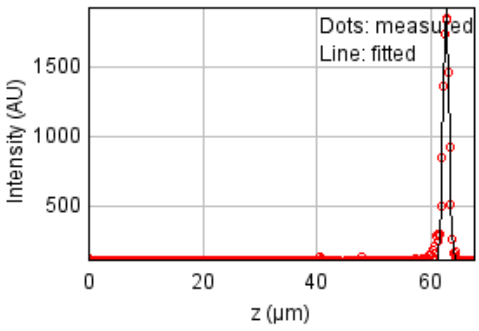
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1959.595 (brightness)
B = 130.809 (background)
a = 0.799 px
b = 0.025 px
c = 0.515 px
xc = 5.602 px
yc = 6.086 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 126705.419
Standard deviation: 20.31554
R^2: 0.99054
Parameters:
a = 116.04857
b = 1924.98233
c = 62.71599
d = 0.51736

Bead 2935 (Rejected)

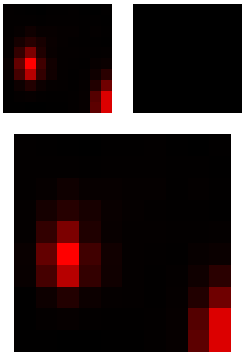
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -59.1 um (x), 76.7 um (y), 62.5 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	66.9 nm	69.2 nm	223 nm
max	143 nm	148 nm	223 nm
z	1.14 um	1.15 um	885 nm
Asymmetry	0.467		
Theta	-4.0°		

XY profile & fitting parameters :

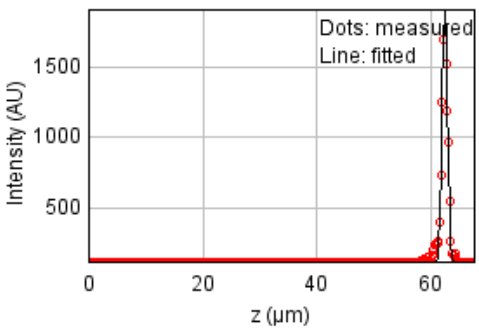
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.000

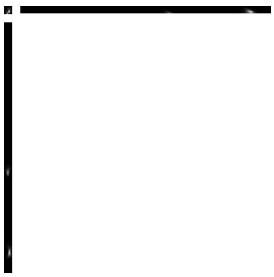
Parameters:
A = -43.109 (brightness)
B = 287.060 (background)
a = 6.648 px
b = -1.627 px
c = 29.875 px
xc = -3.769 px
yc = 10.149 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 238965.809
Standard deviation: 27.89965
R^2: 0.98087
Parameters:
a = 114.46020
b = 1908.68813
c = 62.48848
d = 0.48463

Bead 2936



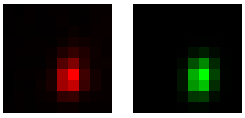
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

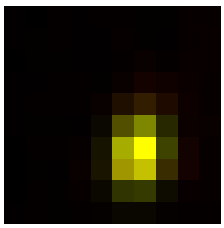
Coordinates : -45.8 um (x), 72.3 um (y), 62.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	548 nm	567 nm	223 nm
z	1.23 um	1.24 um	885 nm
Asymmetry	0.711		
Theta	80.9°		

XY profile & fitting parameters :

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

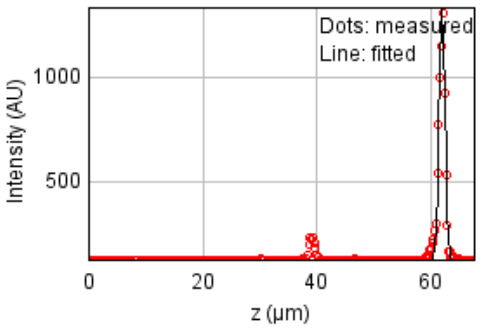




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

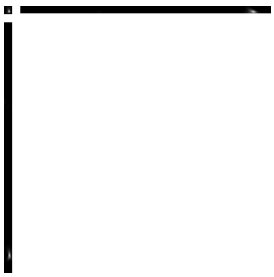
Parameters:
A = 1356.442 (brightness)
B = 123.081 (background)
a = 0.872 px
b = 0.068 px
c = 0.457 px
xc = 5.708 px
yc = 6.242 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 159634.365
Standard deviation: 22.80311
R^2: 0.97497
Parameters:
a = 116.63746
b = 1346.80242
c = 61.98579
d = 0.52437

Bead 2937



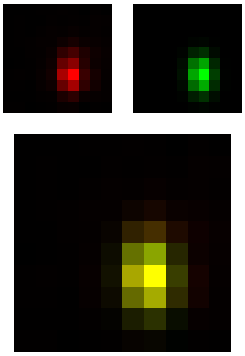
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -102 um (x), 71.1 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	394 nm	223 nm
max	565 nm	584 nm	223 nm
z	1.11 um	1.11 um	885 nm
Asymmetry	0.674		
Theta	-87.2°		

XY profile & fitting parameters :

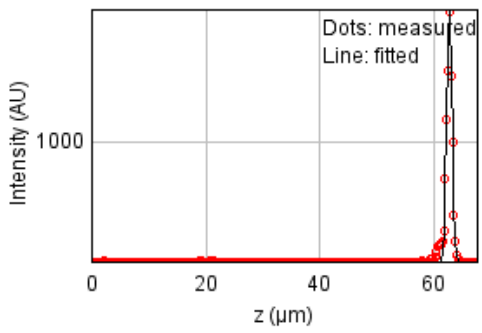
(red : the orignal data, green : the fit, yellow : the two merged)



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

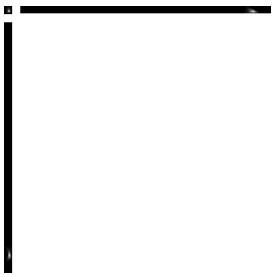
Parameters:
A = 1884.366 (brightness)
B = 131.682 (background)
a = 0.925 px
b = -0.024 px
c = 0.421 px
xc = 5.730 px
yc = 6.004 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 143369.312
Standard deviation: 21.61021
R^2: 0.98932
Parameters:
a = 116.57842
b = 2010.17573
c = 62.77789
d = 0.47127

Bead 2938



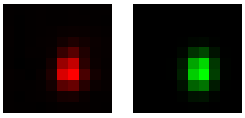
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

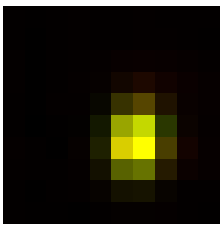
Coordinates : -66.3 um (x), 71.1 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	418 nm	223 nm
max	526 nm	544 nm	223 nm
z	1.17 um	1.17 um	885 nm
Asymmetry	0.768		
Theta	85.4°		

XY profile & fitting parameters :

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

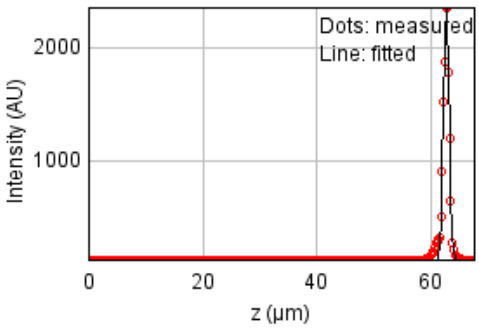




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.986

Parameters:
A = 2521.763 (brightness)
B = 130.961 (background)
a = 0.819 px
b = 0.027 px
c = 0.487 px
xc = 5.641 px
yc = 5.695 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 182807.082
Standard deviation: 24.40211
R^2: 0.99084
Parameters:
a = 116.15291
b = 2367.52226
c = 62.76035
d = 0.49689

Bead 2939

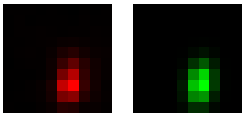
Date : Mon Oct 17 13:30:07 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

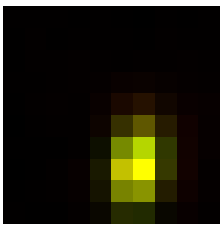
Coordinates : -114 um (x), 70.4 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	620 nm	641 nm	223 nm
z	1.12 um	1.13 um	885 nm
Asymmetry	0.622		
Theta	81.8°		

XY profile & fitting parameters :

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

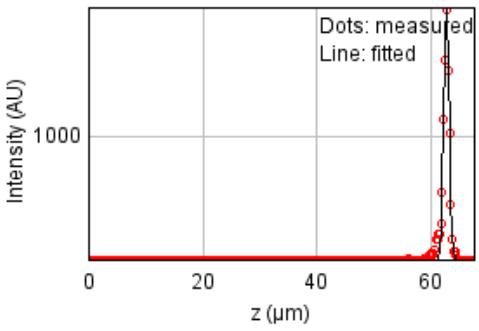




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

Parameters:
A = 1887.890 (brightness)
B = 133.565 (background)
a = 0.890 px
b = 0.078 px
c = 0.361 px
xc = 5.675 px
yc = 6.816 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 140526.450
Standard deviation: 21.39488
R^2: 0.98916
Parameters:
a = 114.83906
b = 1965.20463
c = 62.78686
d = 0.47691

Bead 2940

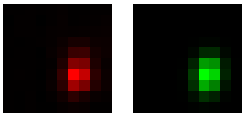
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

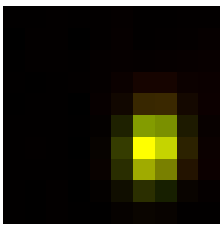
Coordinates : -33.4 um (x), 65.3 um (y), 62.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	418 nm	223 nm
max	552 nm	571 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.732		
Theta	82.0°		

XY profile & fitting parameters :

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

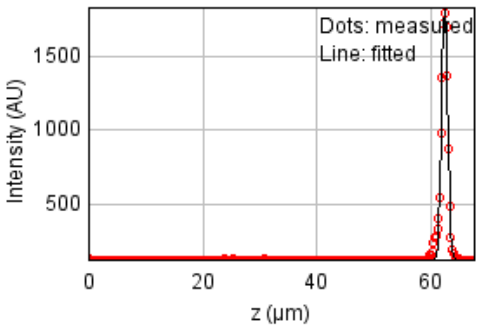




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

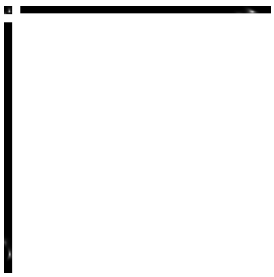
Parameters:
A = 1763.064 (brightness)
B = 129.758 (background)
a = 0.815 px
b = 0.053 px
c = 0.448 px
xc = 6.385 px
yc = 6.008 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 113163.590
Standard deviation: 19.19925
R^2: 0.99111
Parameters:
a = 115.07023
b = 1834.92724
c = 62.45780
d = 0.54509

Bead 2941



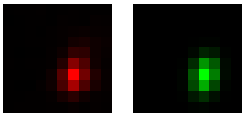
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

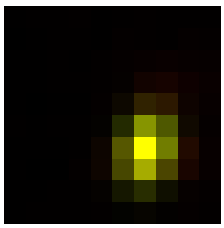
Coordinates : -24.8 um (x), 63.3 um (y), 62.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	395 nm	223 nm
max	547 nm	566 nm	223 nm
z	1.21 um	1.21 um	885 nm
Asymmetry	0.698		
Theta	77.9°		

XY profile & fitting parameters :

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

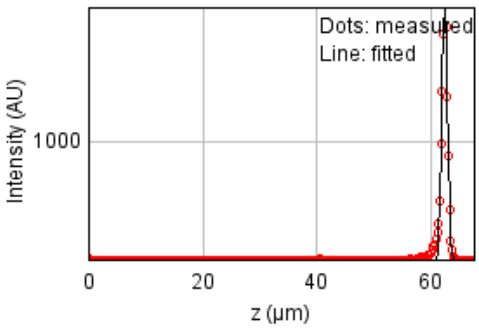




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1886.023 (brightness)
B = 131.554 (background)
a = 0.898 px
b = 0.097 px
c = 0.469 px
xc = 6.093 px
yc = 6.059 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 123951.482
Standard deviation: 20.09355
R^2: 0.99140
Parameters:
a = 116.13442
b = 1999.97076
c = 62.46296
d = 0.51377

Bead 2942

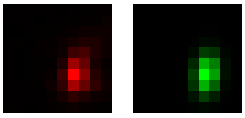
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

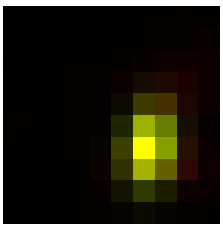
Coordinates : -9.4 um (x), 62.7 um (y), 62.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	376 nm	389 nm	223 nm
max	612 nm	633 nm	223 nm
z	1.35 um	1.35 um	885 nm
Asymmetry	0.614		
Theta	83.6°		

XY profile & fitting parameters :

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

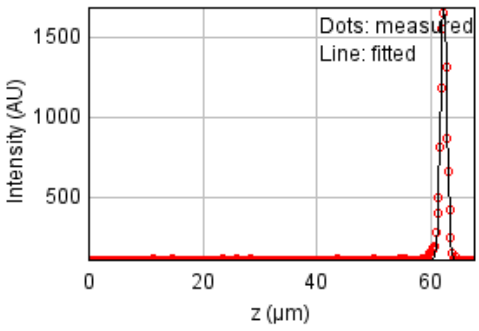




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

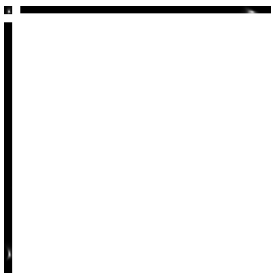
Parameters:
A = 1494.006 (brightness)
B = 134.695 (background)
a = 0.941 px
b = 0.066 px
c = 0.366 px
xc = 6.250 px
yc = 5.951 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 78166.4408
Standard deviation: 15.95662
R^2: 0.99298
Parameters:
a = 115.60915
b = 1688.28294
c = 62.29634
d = 0.57216

Bead 2943



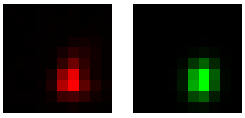
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

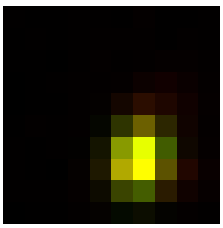
Coordinates : -2.24 um (x), 56.2 um (y), 62.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	430 nm	223 nm
max	525 nm	542 nm	223 nm
z	1.25 um	1.25 um	885 nm
Asymmetry	0.793		
Theta	80.0°		

XY profile & fitting parameters :

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

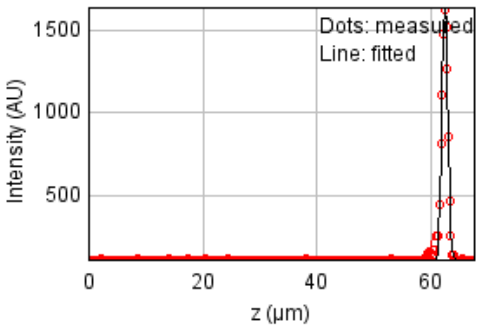




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

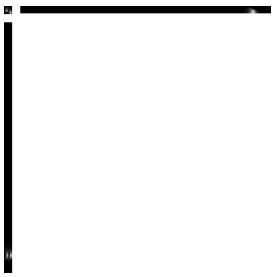
Parameters:
A = 1649.888 (brightness)
B = 130.123 (background)
a = 0.767 px
b = 0.049 px
c = 0.496 px
xc = 5.798 px
yc = 6.511 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 77555.5332
Standard deviation: 15.89415
R^2: 0.99195
Parameters:
a = 115.46347
b = 1633.19088
c = 62.49916
d = 0.52995

Bead 2944 (Rejected)



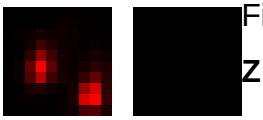
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -35.9 um (x), 48.2 um (y), 62.8 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.21 um	1.21 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

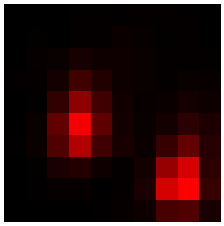
XY profile & fitting parameters :

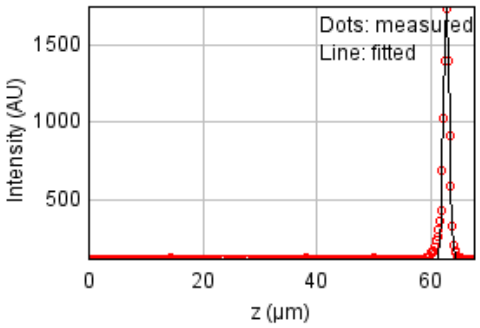
(red : the orignal data, green : the fit, yellow : the two merged)



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

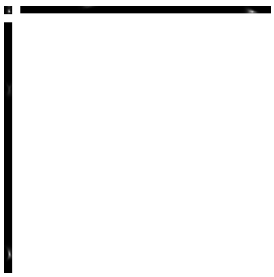
Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 150265.581
Standard deviation: 22.12384
R^2: 0.98634
Parameters:
a = 116.80586
b = 1760.82561
c = 62.77931
d = 0.51207

Bead 2945



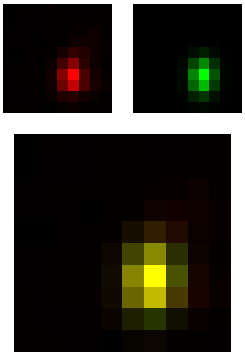
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -1.79 um (x), 47.0 um (y), 62.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	399 nm	223 nm
max	536 nm	554 nm	223 nm
z	1.14 um	1.15 um	885 nm
Asymmetry	0.719		
Theta	86.9°		

XY profile & fitting parameters :

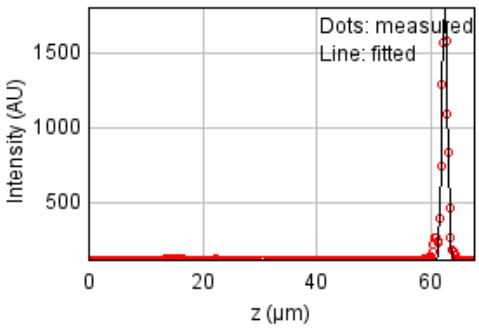
(red : the orignal data, green : the fit, yellow : the two merged)



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

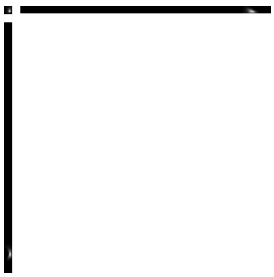
Parameters:
A = 1845.865 (brightness)
B = 133.337 (background)
a = 0.901 px
b = 0.024 px
c = 0.468 px
xc = 5.863 px
yc = 6.164 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 142169.812
Standard deviation: 21.51962
R^2: 0.98700
Parameters:
a = 117.22381
b = 1800.43730
c = 62.47494
d = 0.48535

Bead 2946



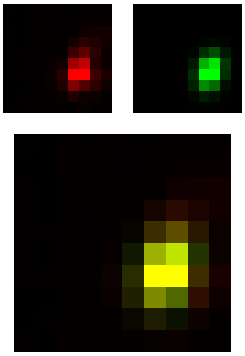
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 21.2 um (x), 39.4 um (y), 62.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	383 nm	396 nm	223 nm
max	544 nm	563 nm	223 nm
z	1.46 um	1.46 um	885 nm
Asymmetry	0.704		
Theta	72.5°		

XY profile & fitting parameters :

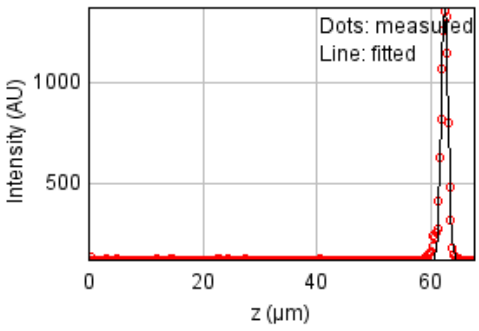
(red : the orignal data, green : the fit, yellow : the two merged)



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

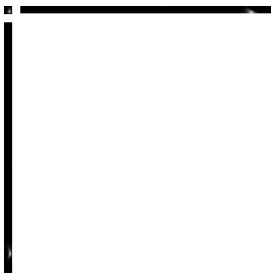
Parameters:
A = 1494.559 (brightness)
B = 125.935 (background)
a = 0.873 px
b = 0.133 px
c = 0.495 px
xc = 6.537 px
yc = 5.730 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 77986.6801
Standard deviation: 15.93826
R^2: 0.98999
Parameters:
a = 114.08286
b = 1379.30790
c = 62.46039
d = 0.61818

Bead 2947



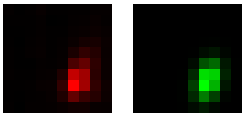
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

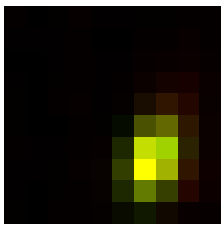
Coordinates : 47.6 um (x), 36.2 um (y), 62.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	378 nm	391 nm	223 nm
max	587 nm	607 nm	223 nm
z	1.37 um	1.38 um	885 nm
Asymmetry	0.645		
Theta	72.9°		

XY profile & fitting parameters :

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

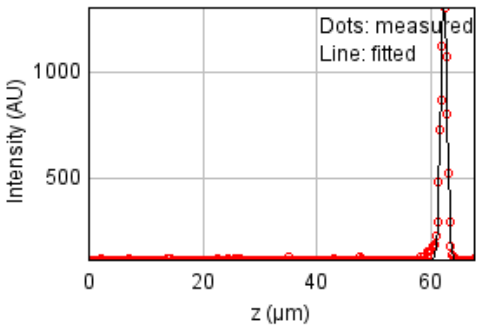




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 1261.085 (brightness)
B = 124.798 (background)
a = 0.890 px
b = 0.154 px
c = 0.437 px
xc = 6.378 px
yc = 6.528 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53038.0131
Standard deviation: 13.14391
R^2: 0.99191
Parameters:
a = 112.93486
b = 1309.12987
c = 62.30815
d = 0.58192

Bead 2948 (Rejected)

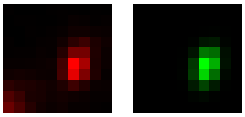
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

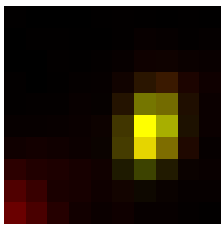
Coordinates : -59.1 um (x), 35.8 um (y), 62.1 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	366 nm	378 nm	223 nm
max	551 nm	570 nm	223 nm
z	1.21 um	1.22 um	885 nm
Asymmetry	0.663		
Theta	74.6°		

XY profile & fitting parameters :

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

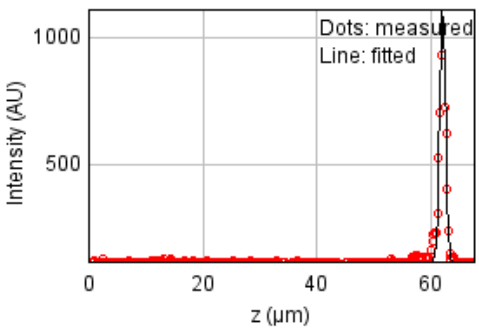




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.854

Parameters:
A = 1136.806 (brightness)
B = 165.775 (background)
a = 0.963 px
b = 0.144 px
c = 0.481 px
xc = 6.268 px
yc = 5.228 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 84364.6992
Standard deviation: 16.57720
R^2: 0.97935
Parameters:
a = 114.92626
b = 1109.76499
c = 62.08253
d = 0.51581

Bead 2949

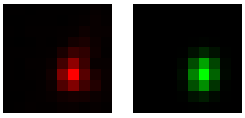
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

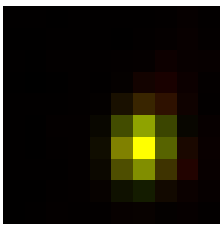
Coordinates : 35.6 um (x), 33.9 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	418 nm	223 nm
max	512 nm	529 nm	223 nm
z	1.16 um	1.17 um	885 nm
Asymmetry	0.79		
Theta	81.9°		

XY profile & fitting parameters :

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

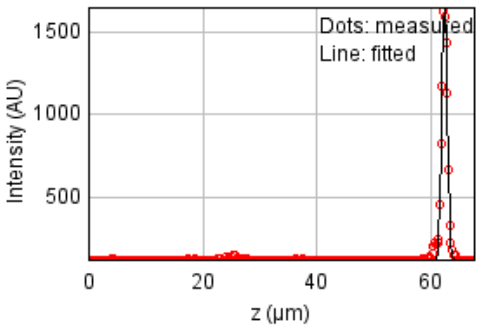




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

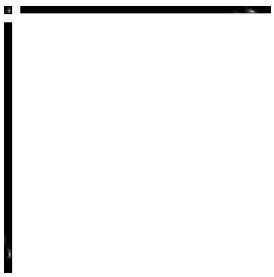
Parameters:
A = 1399.925 (brightness)
B = 128.129 (background)
a = 0.814 px
b = 0.043 px
c = 0.518 px
xc = 5.922 px
yc = 5.939 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 77818.6606
Standard deviation: 15.92109
R^2: 0.99157
Parameters:
a = 116.08511
b = 1652.47733
c = 62.44008
d = 0.49424

Bead 2950



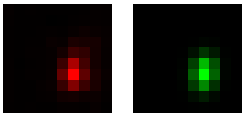
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

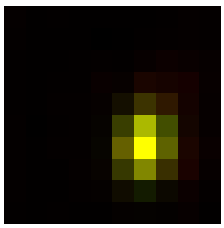
Coordinates : 32.1 um (x), 30.6 um (y), 62.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	371 nm	383 nm	223 nm
max	529 nm	547 nm	223 nm
z	1.16 um	1.16 um	885 nm
Asymmetry	0.701		
Theta	84.1°		

XY profile & fitting parameters :

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

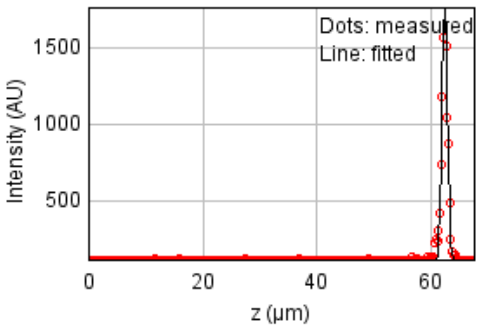




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

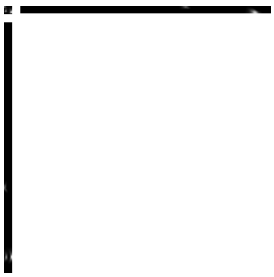
Parameters:
A = 1778.152 (brightness)
B = 133.800 (background)
a = 0.970 px
b = 0.050 px
c = 0.484 px
xc = 6.015 px
yc = 5.835 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 146691.325
Standard deviation: 21.85914
R^2: 0.98619
Parameters:
a = 115.53188
b = 1763.19172
c = 62.47723
d = 0.49151

Bead 2951 (Rejected)



Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -68.6 um (x), 30.1 um (y), 63.4 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

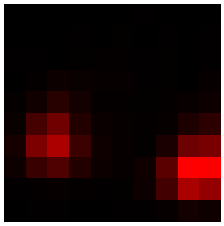
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	263 nm	264 nm	885 nm
Asymmetry	0.0		
Theta	0.0°		

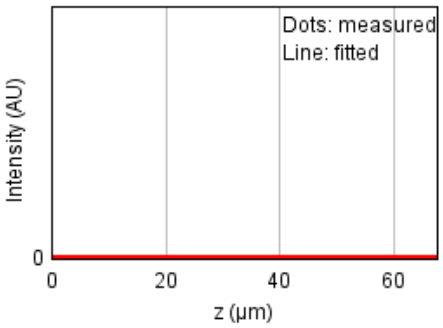
XY profile & fitting parameters :

(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 2952

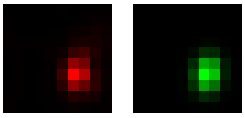
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

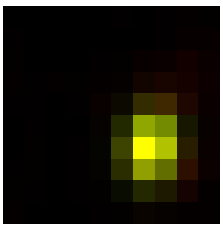
Coordinates : 22.7 um (x), 28.2 um (y), 62.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	420 nm	223 nm
max	549 nm	567 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.74		
Theta	83.0°		

XY profile & fitting parameters :

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

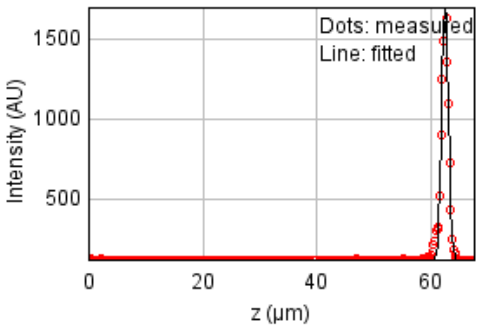




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 1638.134 (brightness)
B = 133.170 (background)
a = 0.808 px
b = 0.045 px
c = 0.451 px
xc = 6.333 px
yc = 5.937 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 83870.3416
Standard deviation: 16.52856
R^2: 0.99291
Parameters:
a = 114.74176
b = 1699.96689
c = 62.53283
d = 0.59865

Bead 2953

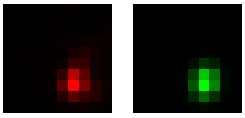
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

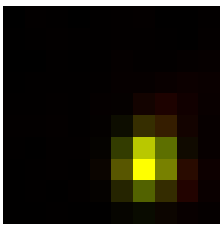
Coordinates : 29.9 um (x), 26.5 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	400 nm	223 nm
max	474 nm	490 nm	223 nm
z	1.3 um	1.3 um	885 nm
Asymmetry	0.815		
Theta	79.8°		

XY profile & fitting parameters :

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

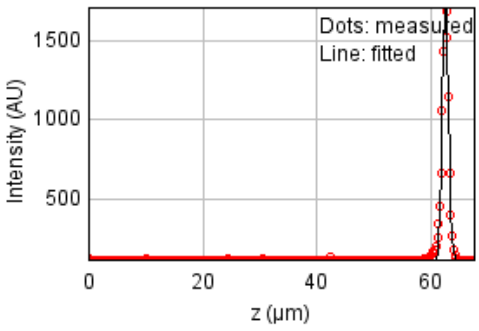




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 1576.812 (brightness)
B = 128.724 (background)
a = 0.888 px
b = 0.052 px
c = 0.606 px
xc = 6.131 px
yc = 6.694 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 65092.5325
Standard deviation: 14.56117
R^2: 0.99427
Parameters:
a = 114.34269
b = 1732.14901
c = 62.59652
d = 0.55143

Bead 2954

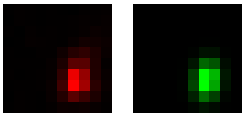
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

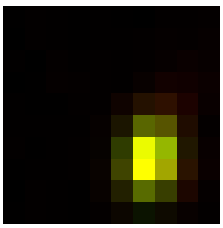
Coordinates : 56.8 um (x), 24.3 um (y), 62.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	403 nm	223 nm
max	556 nm	575 nm	223 nm
z	1.38 um	1.38 um	885 nm
Asymmetry	0.701		
Theta	82.3°		

XY profile & fitting parameters :

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

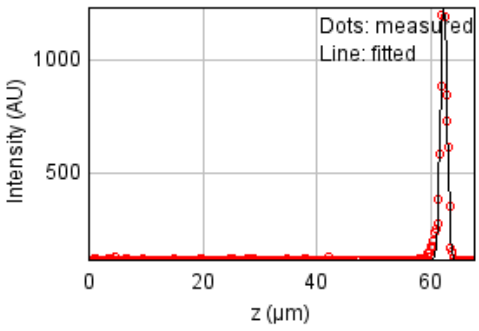




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

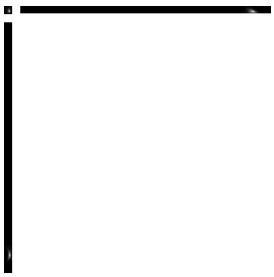
Parameters:
A = 1339.161 (brightness)
B = 124.694 (background)
a = 0.875 px
b = 0.060 px
c = 0.443 px
xc = 6.288 px
yc = 6.483 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 159204.241
Standard deviation: 22.77236
R^2: 0.97319
Parameters:
a = 114.13156
b = 1238.03514
c = 62.29961
d = 0.58580

Bead 2955



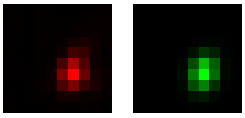
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

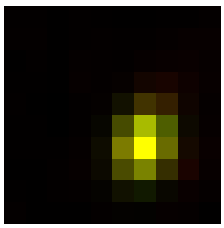
Coordinates : 16.5 um (x), 20.7 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	416 nm	223 nm
max	536 nm	554 nm	223 nm
z	1.2 um	1.21 um	885 nm
Asymmetry	0.751		
Theta	75.1°		

XY profile & fitting parameters :

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

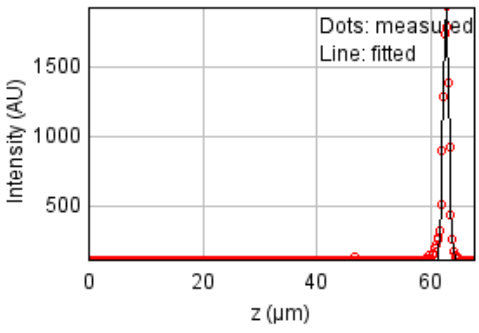




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

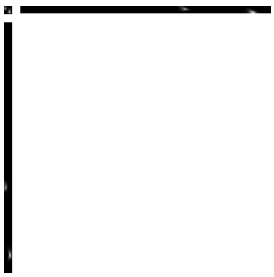
Parameters:
A = 1766.793 (brightness)
B = 131.453 (background)
a = 0.803 px
b = 0.090 px
c = 0.491 px
xc = 5.976 px
yc = 5.822 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 88510.6741
Standard deviation: 16.97965
R^2: 0.99332
Parameters:
a = 115.37318
b = 1926.86757
c = 62.70521
d = 0.51120

Bead 2956



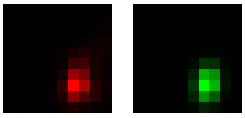
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

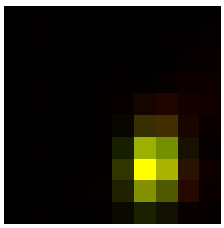
Coordinates : 13.7 um (x), 20.3 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	370 nm	383 nm	223 nm
max	540 nm	558 nm	223 nm
z	1.36 um	1.37 um	885 nm
Asymmetry	0.686		
Theta	81.7°		

XY profile & fitting parameters :

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

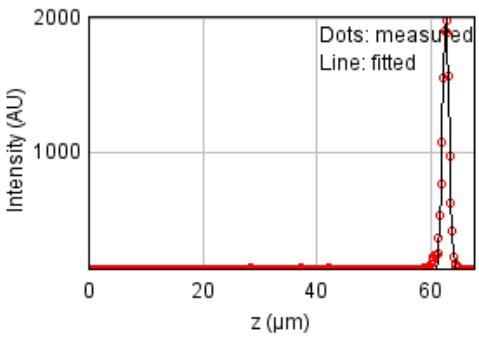




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 1943.959 (brightness)
B = 133.776 (background)
a = 0.967 px
b = 0.073 px
c = 0.471 px
xc = 6.331 px
yc = 6.844 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 92175.2652
Standard deviation: 17.32758
R^2: 0.99441
Parameters:
a = 115.51123
b = 2021.39403
c = 62.67358
d = 0.57764

Bead 2957

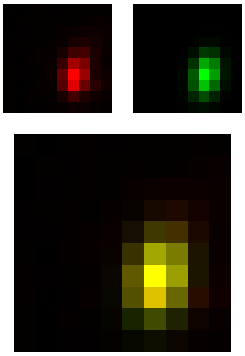
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 58.3 um (x), 16.3 um (y), 62.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	429 nm	223 nm
max	638 nm	660 nm	223 nm
z	1.44 um	1.44 um	885 nm
Asymmetry	0.65		
Theta	79.3°		

XY profile & fitting parameters :

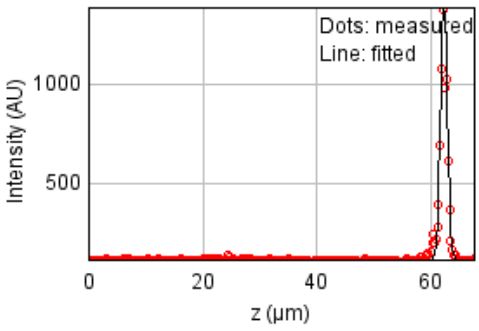
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1304.983 (brightness)
B = 124.514 (background)
a = 0.763 px
b = 0.082 px
c = 0.345 px
xc = 6.183 px
yc = 6.060 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 291793.773
Standard deviation: 30.82967
R^2: 0.96364
Parameters:
a = 115.27129
b = 1389.08717
c = 62.33197
d = 0.61118

Bead 2958 (Rejected)

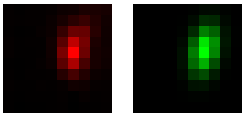
Date : Mon Oct 17 13:30:08 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

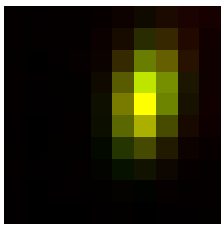
Coordinates : 18.3 um (x), 17.4 um (y), 62.3 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	433 nm	448 nm	223 nm
max	775 nm	801 nm	223 nm
z	2.31 um	2.32 um	885 nm
Asymmetry	0.559		
Theta	78.6°		

XY profile & fitting parameters :

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

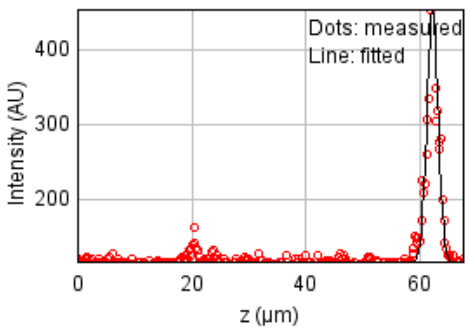




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

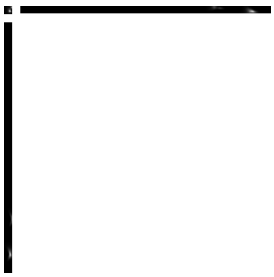
Parameters:
A = 1393.193 (brightness)
B = 133.551 (background)
a = 0.695 px
b = 0.095 px
c = 0.243 px
xc = 6.066 px
yc = 3.704 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 59275.3110
Standard deviation: 13.89529
R^2: 0.93502
Parameters:
a = 115.15544
b = 452.42758
c = 62.26215
d = 0.98109

Bead 2959



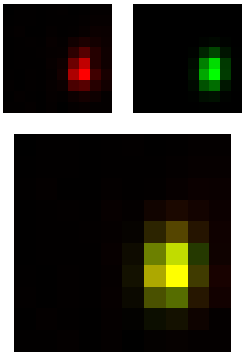
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 55.4 um (x), 12.6 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	375 nm	388 nm	223 nm
max	520 nm	538 nm	223 nm
z	1.08 um	1.08 um	885 nm
Asymmetry	0.721		
Theta	82.3°		

XY profile & fitting parameters :

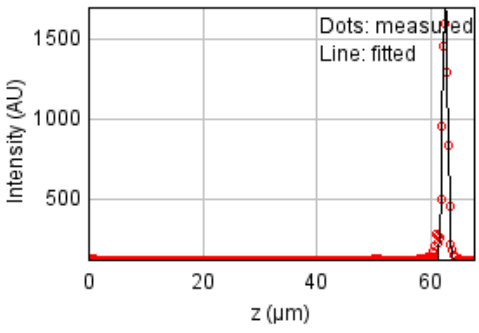
(red : the orignal data, green : the fit, yellow : the two merged)



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

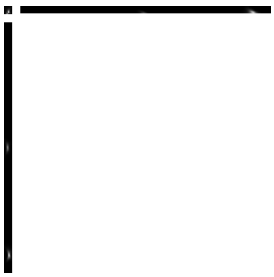
Parameters:
A = 1564.541 (brightness)
B = 125.573 (background)
a = 0.947 px
b = 0.061 px
c = 0.504 px
xc = 6.741 px
yc = 5.681 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 108450.770
Standard deviation: 18.79521
R^2: 0.98842
Parameters:
a = 116.45711
b = 1720.99986
c = 62.56513
d = 0.45713

Bead 2960



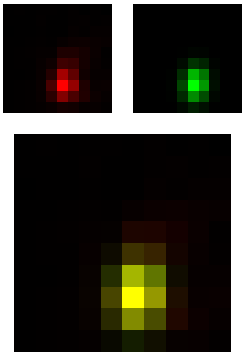
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 28.9 um (x), 8.18 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	395 nm	223 nm
max	533 nm	551 nm	223 nm
z	1.34 um	1.34 um	885 nm
Asymmetry	0.717		
Theta	84.8°		

XY profile & fitting parameters :

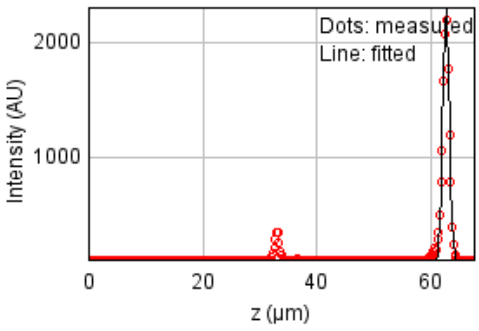
(red : the orignal data, green : the fit, yellow : the two merged)



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

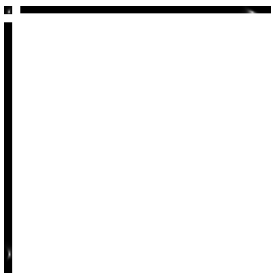
Parameters:
A = 2218.986 (brightness)
B = 140.739 (background)
a = 0.916 px
b = 0.040 px
c = 0.477 px
xc = 5.222 px
yc = 6.839 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 334673.120
Standard deviation: 33.01728
R^2: 0.98432
Parameters:
a = 120.63517
b = 2297.36473
c = 62.71360
d = 0.56721

Bead 2961



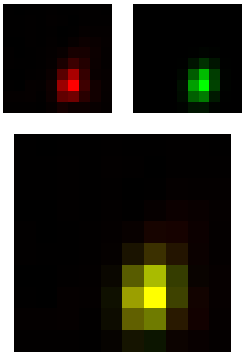
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 60.7 um (x), 8.61 um (y), 62.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	377 nm	390 nm	223 nm
max	522 nm	540 nm	223 nm
z	1.04 um	1.05 um	885 nm
Asymmetry	0.721		
Theta	74.7°		

XY profile & fitting parameters :

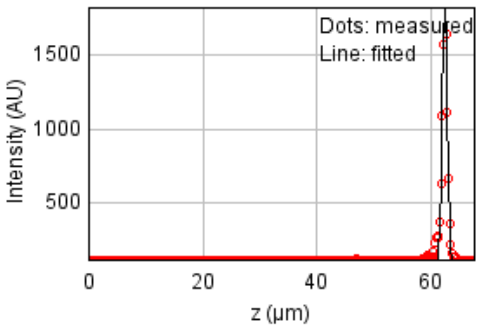
(red : the orignal data, green : the fit, yellow : the two merged)



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

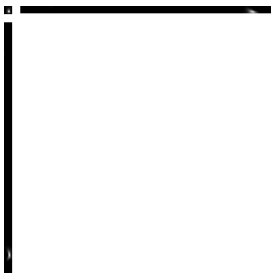
Parameters:
A = 1792.778 (brightness)
B = 132.183 (background)
a = 0.913 px
b = 0.116 px
c = 0.524 px
xc = 5.780 px
yc = 6.846 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 107394.247
Standard deviation: 18.70343
R^2: 0.98950
Parameters:
a = 115.71391
b = 1820.23587
c = 62.48629
d = 0.44278

Bead 2962



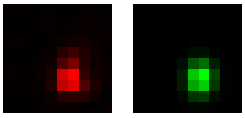
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

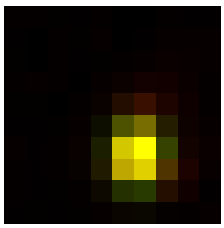
Coordinates : 44.4 um (x), 6.31 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	423 nm	223 nm
max	503 nm	520 nm	223 nm
z	1.12 um	1.12 um	885 nm
Asymmetry	0.815		
Theta	86.9°		

XY profile & fitting parameters :

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

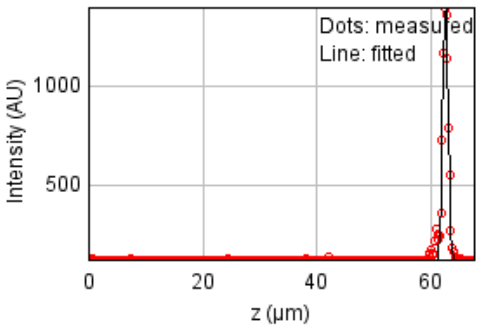




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 1492.428 (brightness)
B = 127.959 (background)
a = 0.800 px
b = 0.014 px
c = 0.532 px
xc = 5.649 px
yc = 6.315 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 94610.9378
Standard deviation: 17.55503
R^2: 0.98545
Parameters:
a = 115.07949
b = 1425.30951
c = 62.60888
d = 0.47523

Bead 2963

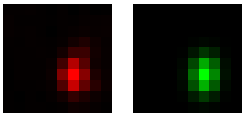
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

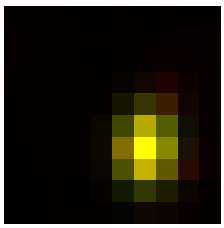
Coordinates : 47.5 um (x), -2.64 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	439 nm	223 nm
max	589 nm	609 nm	223 nm
z	1.3 um	1.3 um	885 nm
Asymmetry	0.721		
Theta	86.7°		

XY profile & fitting parameters :

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

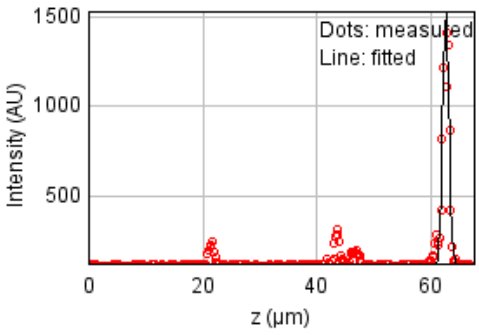




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1329.951 (brightness)
B = 126.939 (background)
a = 0.743 px
b = 0.021 px
c = 0.388 px
xc = 6.068 px
yc = 6.020 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 554022.630
Standard deviation: 42.48098
R^2: 0.93868
Parameters:
a = 122.79762
b = 1525.57839
c = 62.67595
d = 0.55080

Bead 2964

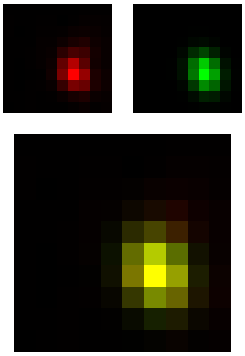
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 75.5 um (x), -47.7 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	456 nm	471 nm	223 nm
max	579 nm	598 nm	223 nm
z	1.35 um	1.35 um	885 nm
Asymmetry	0.788		
Theta	-71.3°		

XY profile & fitting parameters :

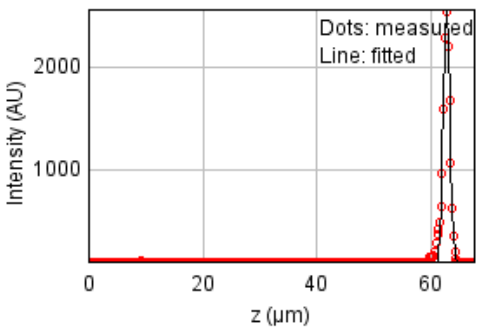
(red : the orignal data, green : the fit, yellow : the two merged)



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

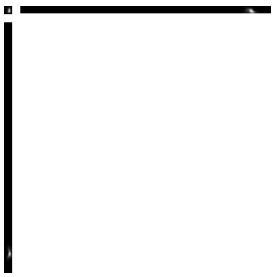
Parameters:
A = 2326.169 (brightness)
B = 139.060 (background)
a = 0.620 px
b = -0.074 px
c = 0.426 px
xc = 6.098 px
yc = 5.792 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 231151.726
Standard deviation: 27.43970
R^2: 0.99160
Parameters:
a = 117.03327
b = 2588.58067
c = 62.80889
d = 0.57154

Bead 2965



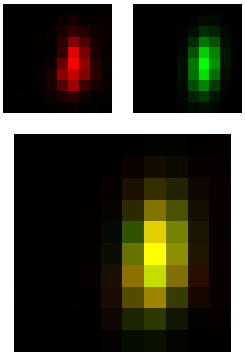
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -102 um (x), -64.9 um (y), 62.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	455 nm	223 nm
max	877 nm	907 nm	223 nm
z	1.02 um	1.03 um	885 nm
Asymmetry	0.502		
Theta	83.4°		

XY profile & fitting parameters :

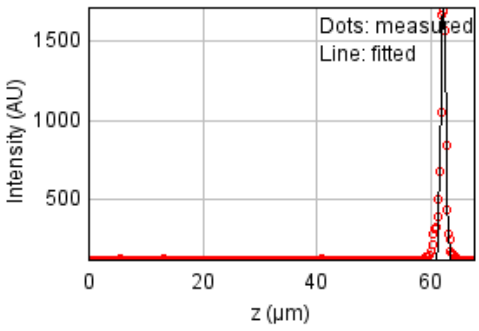
(red : the orignal data, green : the fit, yellow : the two merged)



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

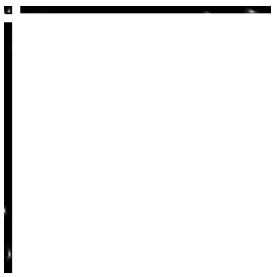
Parameters:
A = 1576.628 (brightness)
B = 126.898 (background)
a = 0.686 px
b = 0.059 px
c = 0.181 px
xc = 6.074 px
yc = 5.078 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 270674.456
Standard deviation: 29.69303
R^2: 0.97037
Parameters:
a = 116.45546
b = 1726.91863
c = 62.20306
d = 0.43406

Bead 2966



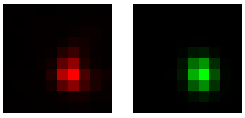
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

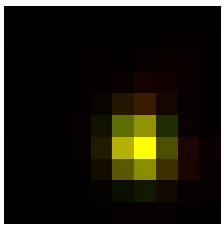
Coordinates : 56.9 um (x), -93.9 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	428 nm	223 nm
max	486 nm	502 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.853		
Theta	-79.7°		

XY profile & fitting parameters :

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

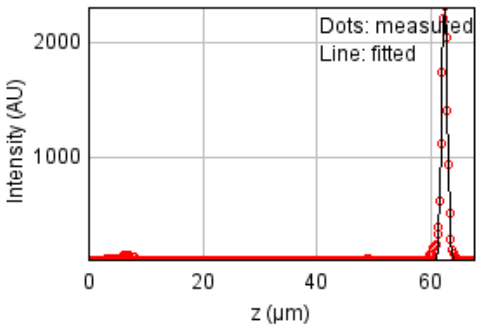




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

Parameters:
A = 2259.316 (brightness)
B = 132.772 (background)
a = 0.774 px
b = -0.038 px
c = 0.575 px
xc = 5.745 px
yc = 5.961 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 131291.994
Standard deviation: 20.67997
R^2: 0.99314
Parameters:
a = 120.07675
b = 2307.93038
c = 62.43014
d = 0.50631

Bead 2967

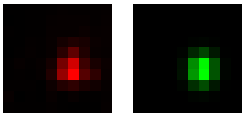
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

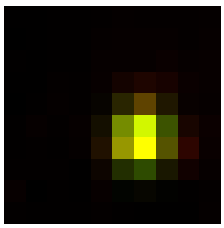
Coordinates : -109 um (x), 91.2 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	417 nm	223 nm
max	462 nm	477 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.872		
Theta	84.5°		

XY profile & fitting parameters :

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

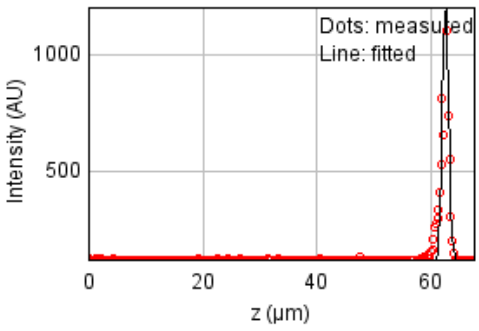




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 1273.737 (brightness)
B = 124.555 (background)
a = 0.825 px
b = 0.019 px
c = 0.631 px
xc = 5.829 px
yc = 5.534 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 288666.100
Standard deviation: 30.66399
R^2: 0.94794
Parameters:
a = 115.27119
b = 1212.64101
c = 62.61080
d = 0.55806

Bead 2968

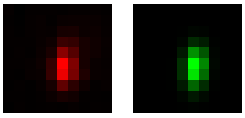
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

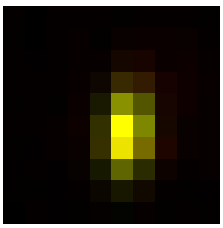
Coordinates : -71.9 um (x), 90.6 um (y), 62.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	340 nm	352 nm	223 nm
max	628 nm	649 nm	223 nm
z	1.19 um	1.2 um	885 nm
Asymmetry	0.542		
Theta	86.1°		

XY profile & fitting parameters :

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

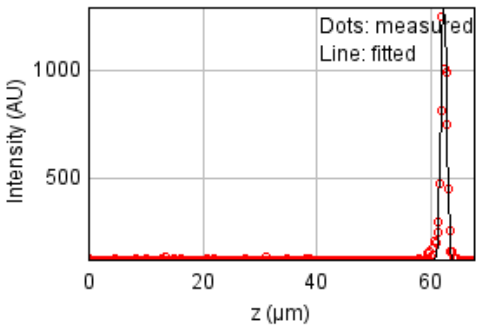




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.983

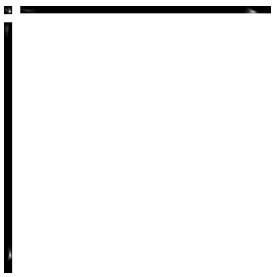
Parameters:
A = 1402.610 (brightness)
B = 131.774 (background)
a = 1.155 px
b = 0.055 px
c = 0.344 px
xc = 5.210 px
yc = 5.293 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 126423.306
Standard deviation: 20.29291
R^2: 0.97800
Parameters:
a = 113.76712
b = 1302.80713
c = 62.30592
d = 0.50693

Bead 2969



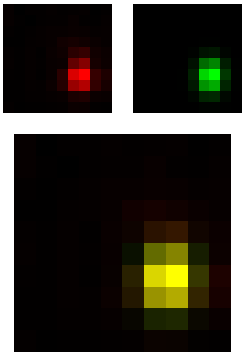
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -131 um (x), 83.4 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	410 nm	223 nm
max	501 nm	518 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.791		
Theta	87.4°		

XY profile & fitting parameters :

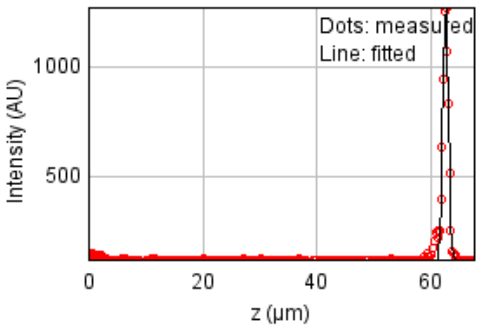
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1333.419 (brightness)
B = 125.970 (background)
a = 0.854 px
b = 0.014 px
c = 0.535 px
xc = 6.602 px
yc = 6.132 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 85146.8954
Standard deviation: 16.65387
R^2: 0.98392
Parameters:
a = 115.25615
b = 1280.23652
c = 62.64017
d = 0.48888

Bead 2970

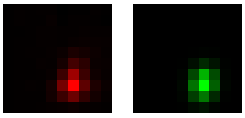
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

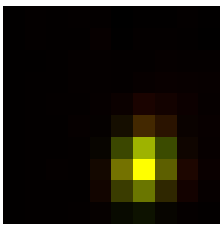
Coordinates : -77.0 um (x), 79.2 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	397 nm	223 nm
max	492 nm	509 nm	223 nm
z	1.16 um	1.17 um	885 nm
Asymmetry	0.78		
Theta	80.1°		

XY profile & fitting parameters :

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

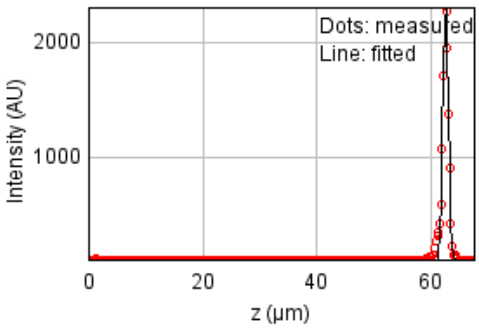




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 2077.862 (brightness)
B = 136.274 (background)
a = 0.900 px
b = 0.060 px
c = 0.565 px
xc = 5.960 px
yc = 6.821 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 163951.438
Standard deviation: 23.10939
R^2: 0.99135
Parameters:
a = 116.66653
b = 2320.10292
c = 62.63925
d = 0.49307

Bead 2971

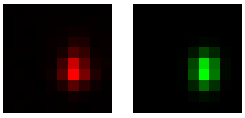
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

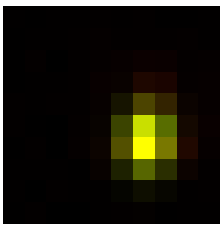
Coordinates : -125 um (x), 79.1 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	387 nm	223 nm
max	506 nm	523 nm	223 nm
z	1.31 um	1.32 um	885 nm
Asymmetry	0.74		
Theta	87.3°		

XY profile & fitting parameters :

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

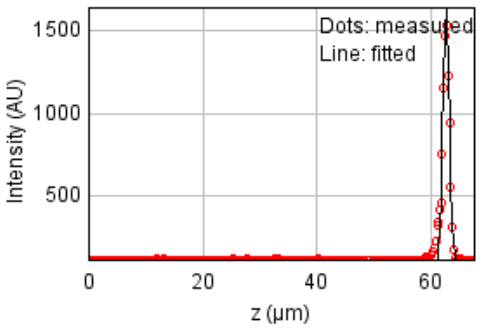




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.978

Parameters:
A = 1639.683 (brightness)
B = 127.080 (background)
a = 0.957 px
b = 0.020 px
c = 0.526 px
xc = 6.112 px
yc = 5.624 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 134492.228
Standard deviation: 20.93049
R^2: 0.98691
Parameters:
a = 114.33074
b = 1639.96149
c = 62.72535
d = 0.55711

Bead 2972

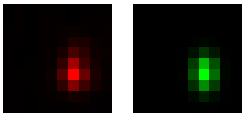
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

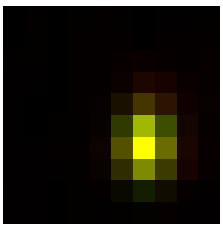
Coordinates : -102 um (x), 75.9 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	366 nm	378 nm	223 nm
max	532 nm	550 nm	223 nm
z	1.24 um	1.24 um	885 nm
Asymmetry	0.688		
Theta	89.9°		

XY profile & fitting parameters :

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

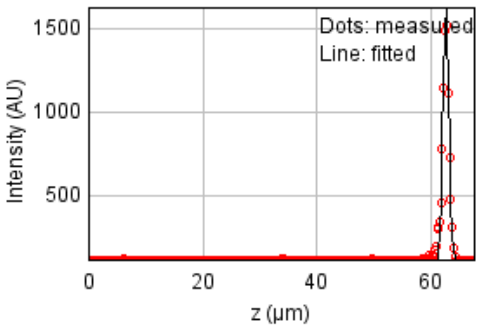




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

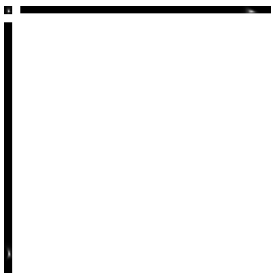
Parameters:
A = 1490.979 (brightness)
B = 127.802 (background)
a = 1.001 px
b = 0.001 px
c = 0.474 px
xc = 6.072 px
yc = 5.847 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 90949.9916
Standard deviation: 17.21203
R^2: 0.99039
Parameters:
a = 114.54264
b = 1622.28362
c = 62.69002
d = 0.52628

Bead 2973



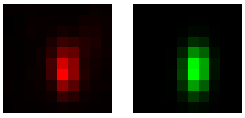
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

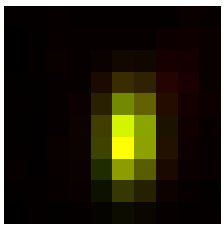
Coordinates : -26.3 um (x), 74.5 um (y), 62.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	400 nm	223 nm
max	709 nm	733 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.546		
Theta	87.2°		

XY profile & fitting parameters :

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

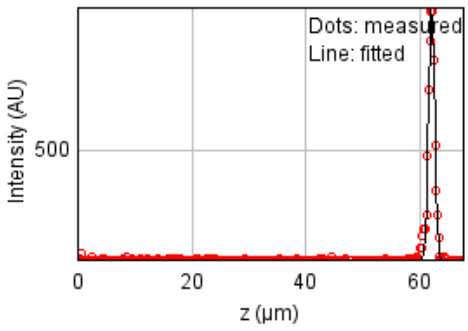




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 1041.133 (brightness)
B = 130.064 (background)
a = 0.893 px
b = 0.031 px
c = 0.268 px
xc = 5.256 px
yc = 5.553 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37547.0849
Standard deviation: 11.05908
R^2: 0.98882
Parameters:
a = 113.87949
b = 1002.42083
c = 62.08652
d = 0.53726

Bead 2974

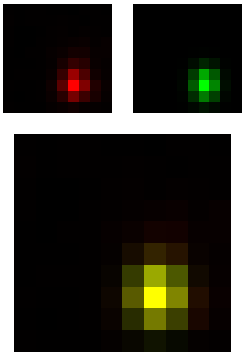
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -83.8 um (x), 65.2 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	411 nm	223 nm
max	483 nm	499 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.823		
Theta	89.1°		

XY profile & fitting parameters :

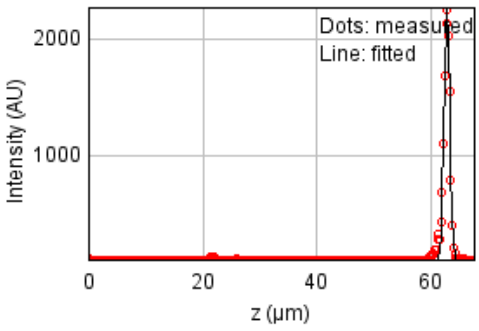
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 2083.655 (brightness)
B = 132.269 (background)
a = 0.850 px
b = 0.004 px
c = 0.576 px
xc = 6.114 px
yc = 6.858 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 173000.972
Standard deviation: 23.73860
R^2: 0.99071
Parameters:
a = 116.07250
b = 2275.59671
c = 62.86795
d = 0.50415

Bead 2975 (Rejected)

Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -52.6 um (x), 65.6 um (y), 58.0 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

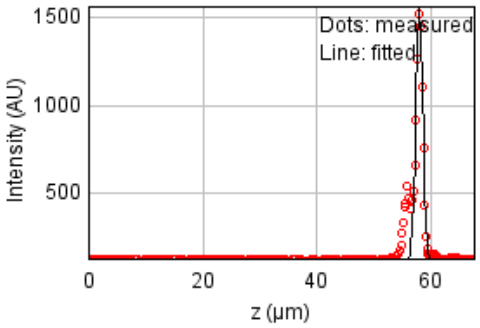
FWHM	Non corrected	Corrected	Theoretical
min	0	0	223 nm
max	0	0	223 nm
z	1.42 um	1.42 um	885 nm
Asymmetry	0.0		
Theta	0.0°		

XY profile & fitting parameters :

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

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

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 811846.762
Standard deviation: 51.42424
R^2: 0.92423
Parameters:
a = 122.77018
b = 1575.96486
c = 57.99503
d = 0.60093

Bead 2976

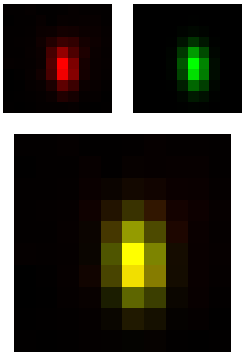
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -153 um (x), 62.6 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	651 nm	673 nm	223 nm
z	1.25 um	1.25 um	885 nm
Asymmetry	0.598		
Theta	-86.1°		

XY profile & fitting parameters :

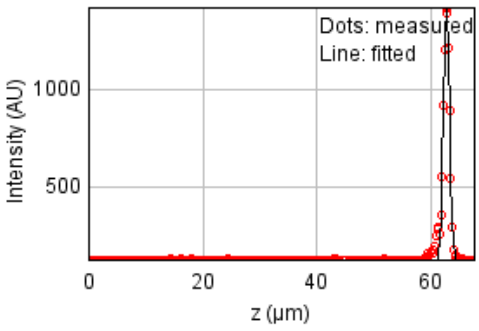
(red : the orignal data, green : the fit, yellow : the two merged)



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

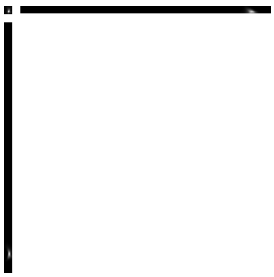
Parameters:
A = 1367.697 (brightness)
B = 131.365 (background)
a = 0.884 px
b = -0.039 px
c = 0.320 px
xc = 5.139 px
yc = 5.299 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 98935.9418
Standard deviation: 17.95179
R^2: 0.98687
Parameters:
a = 114.03148
b = 1453.22071
c = 62.79648
d = 0.52950

Bead 2977



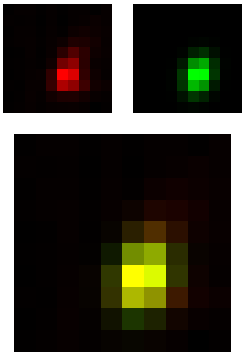
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -11.6 um (x), 57.2 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	410 nm	424 nm	223 nm
max	559 nm	578 nm	223 nm
z	1.4 um	1.4 um	885 nm
Asymmetry	0.733		
Theta	72.9°		

XY profile & fitting parameters :

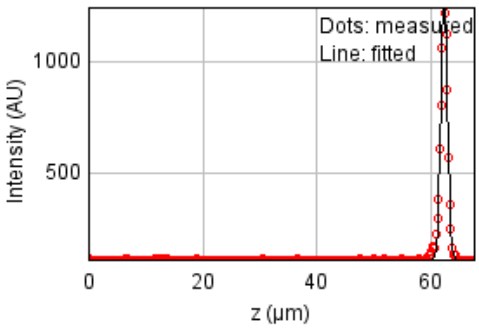
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1197.575 (brightness)
B = 127.873 (background)
a = 0.767 px
b = 0.104 px
c = 0.461 px
xc = 5.482 px
yc = 6.036 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32434.6820
Standard deviation: 10.27864
R^2: 0.99470
Parameters:
a = 114.36468
b = 1260.59967
c = 62.37196
d = 0.59309

Bead 2978

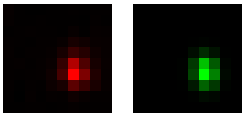
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

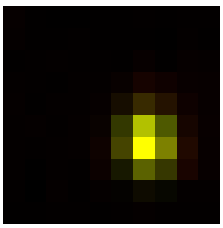
Coordinates : -152 um (x), 56.4 um (y), 63.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	364 nm	376 nm	223 nm
max	468 nm	484 nm	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.778		
Theta	-83.1°		

XY profile & fitting parameters :

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

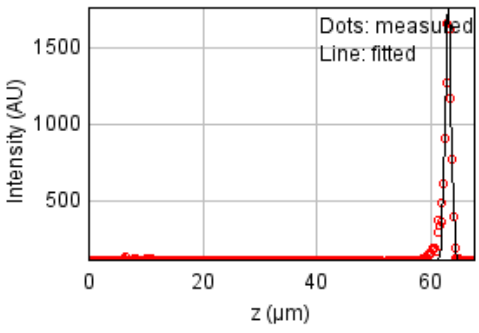




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

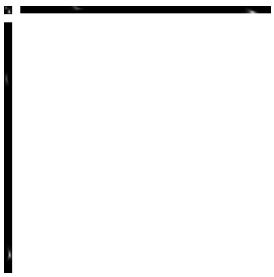
Parameters:
A = 1772.386 (brightness)
B = 128.670 (background)
a = 1.006 px
b = -0.048 px
c = 0.619 px
xc = 6.149 px
yc = 5.740 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 276902.095
Standard deviation: 30.03267
R^2: 0.97645
Parameters:
a = 115.76070
b = 1771.75948
c = 63.08665
d = 0.53459

Bead 2979



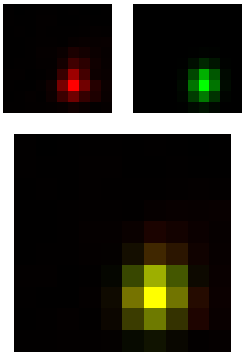
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -26.4 um (x), 53.5 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	422 nm	223 nm
max	494 nm	511 nm	223 nm
z	1.26 um	1.26 um	885 nm
Asymmetry	0.826		
Theta	79.1°		

XY profile & fitting parameters :

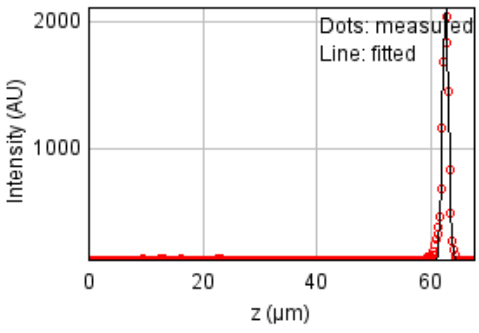
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1846.491 (brightness)
B = 132.598 (background)
a = 0.797 px
b = 0.048 px
c = 0.559 px
xc = 6.013 px
yc = 6.839 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 150635.504
Standard deviation: 22.15106
R^2: 0.99118
Parameters:
a = 116.75618
b = 2127.60743
c = 62.62573
d = 0.53450

Bead 2980

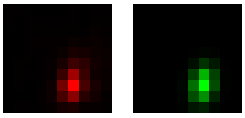
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

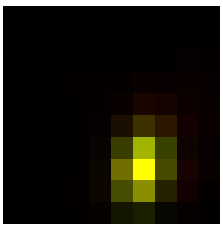
Coordinates : -43.1 um (x), 51.5 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	356 nm	368 nm	223 nm
max	548 nm	567 nm	223 nm
z	1.13 um	1.13 um	885 nm
Asymmetry	0.65		
Theta	79.5°		

XY profile & fitting parameters :

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

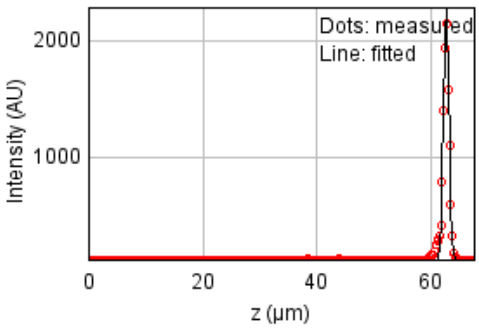




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.979

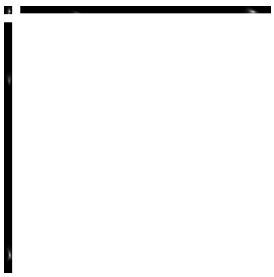
Parameters:
A = 2164.214 (brightness)
B = 139.152 (background)
a = 1.036 px
b = 0.109 px
c = 0.467 px
xc = 5.917 px
yc = 6.896 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 120874.138
Standard deviation: 19.84255
R^2: 0.99332
Parameters:
a = 115.67730
b = 2300.51283
c = 62.74700
d = 0.47918

Bead 2981



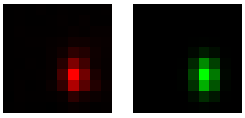
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

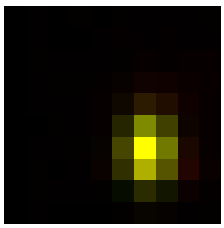
Coordinates : -31.2 um (x), 47.1 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	362 nm	375 nm	223 nm
max	518 nm	536 nm	223 nm
z	1.19 um	1.19 um	885 nm
Asymmetry	0.699		
Theta	-89.3°		

XY profile & fitting parameters :

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

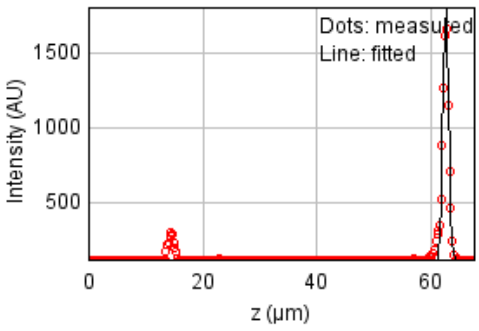




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

Parameters:
A = 1755.802 (brightness)
B = 132.354 (background)
a = 1.021 px
b = -0.007 px
c = 0.500 px
xc = 6.136 px
yc = 6.123 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 284251.997
Standard deviation: 30.42864
R^2: 0.97519
Parameters:
a = 121.10620
b = 1801.42555
c = 62.66924
d = 0.50453

Bead 2982

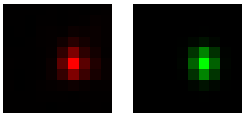
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

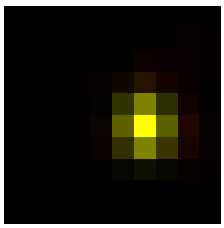
Coordinates : -75.7 um (x), 47.3 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	371 nm	384 nm	223 nm
max	449 nm	465 nm	223 nm
z	1.52 um	1.52 um	885 nm
Asymmetry	0.826		
Theta	-86.2°		

XY profile & fitting parameters :

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

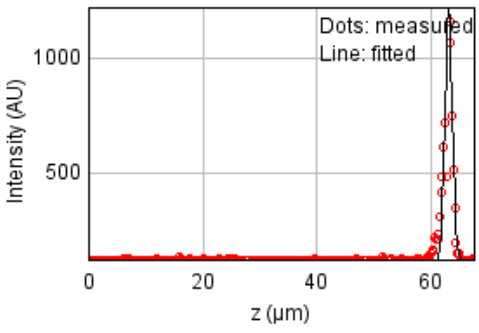




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.982

Parameters:
A = 2494.038 (brightness)
B = 135.444 (background)
a = 0.972 px
b = -0.020 px
c = 0.666 px
xc = 6.003 px
yc = 5.001 px

Z profile & fitting parameters:



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

Bead 2983

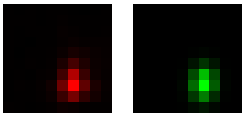
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

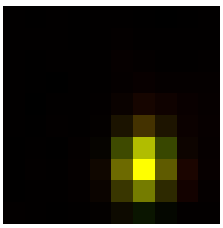
Coordinates : -113 um (x), 45.1 um (y), 63.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	387 nm	223 nm
max	511 nm	528 nm	223 nm
z	1.21 um	1.22 um	885 nm
Asymmetry	0.732		
Theta	86.4°		

XY profile & fitting parameters :

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

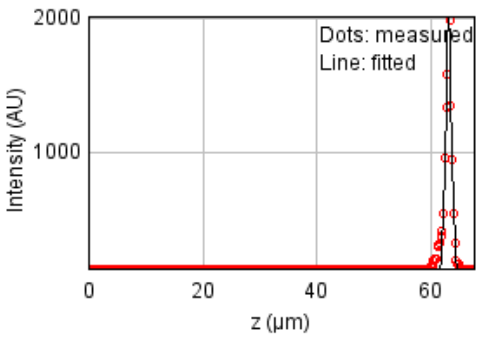




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.981

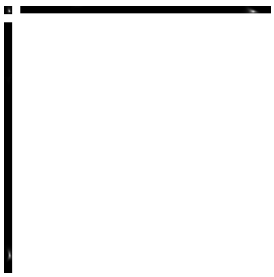
Parameters:
A = 2066.020 (brightness)
B = 131.119 (background)
a = 0.958 px
b = 0.028 px
c = 0.516 px
xc = 5.964 px
yc = 6.796 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 316544.960
Standard deviation: 32.11061
R^2: 0.97877
Parameters:
a = 115.59742
b = 2018.54976
c = 63.15471
d = 0.51407

Bead 2984



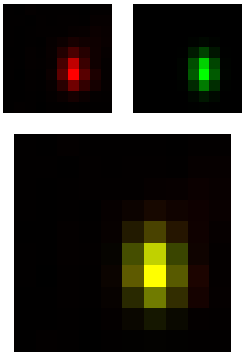
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -31.0 um (x), 44.1 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	358 nm	370 nm	223 nm
max	535 nm	553 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.67		
Theta	-87.3°		

XY profile & fitting parameters :

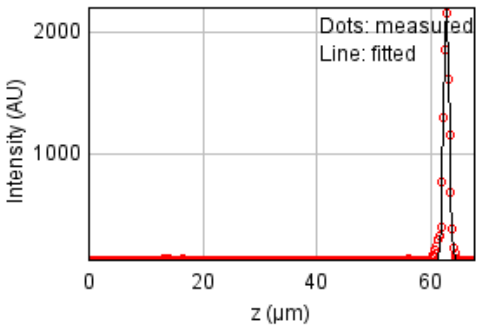
(red : the orignal data, green : the fit, yellow : the two merged)



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

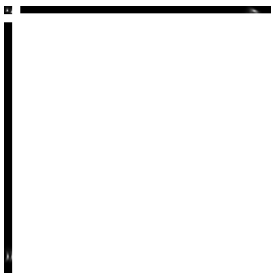
Parameters:
A = 2123.266 (brightness)
B = 135.958 (background)
a = 1.044 px
b = -0.027 px
c = 0.470 px
xc = 5.991 px
yc = 5.717 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 124433.293
Standard deviation: 20.13256
R^2: 0.99281
Parameters:
a = 117.29478
b = 2230.11830
c = 62.77485
d = 0.49014

Bead 2985 (Rejected)



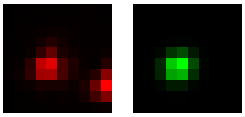
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

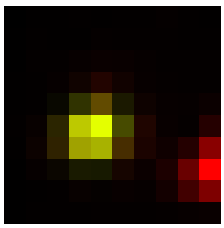
Coordinates : -69.4 um (x), 43.1 um (y), 63.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	413 nm	223 nm
max	442 nm	457 nm	223 nm
z	263 nm	264 nm	885 nm
Asymmetry	0.903		
Theta	33.3°		

XY profile & fitting parameters :

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

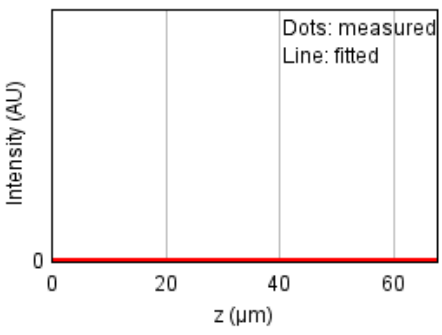




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.539

Parameters:
A = 1905.854 (brightness)
B = 205.626 (background)
a = 0.733 px
b = 0.071 px
c = 0.794 px
xc = 3.634 px
yc = 5.305 px

Z profile & fitting parameters:



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

Bead 2986

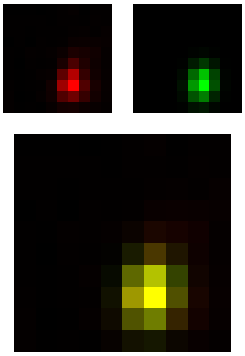
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : -22.0 um (x), 40.5 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	411 nm	223 nm
max	525 nm	543 nm	223 nm
z	1.15 um	1.16 um	885 nm
Asymmetry	0.758		
Theta	81.7°		

XY profile & fitting parameters :

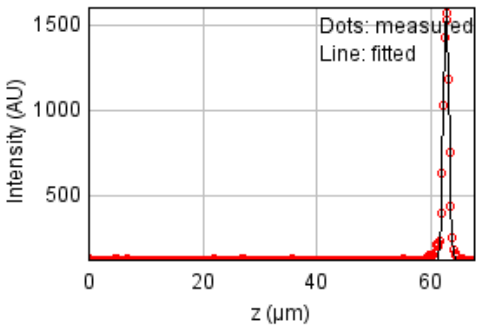
(red : the orignal data, green : the fit, yellow : the two merged)



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

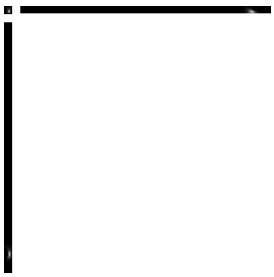
Parameters:
A = 1477.684 (brightness)
B = 125.903 (background)
a = 0.840 px
b = 0.051 px
c = 0.494 px
xc = 5.821 px
yc = 6.796 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46181.3033
Standard deviation: 12.26490
R^2: 0.99466
Parameters:
a = 115.69200
b = 1610.43149
c = 62.73606
d = 0.49017

Bead 2987



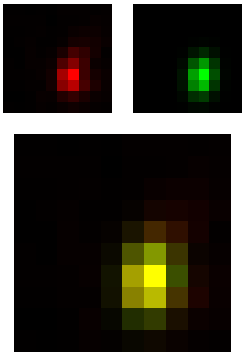
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 12.3 um (x), 38.9 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	416 nm	223 nm
max	571 nm	590 nm	223 nm
z	1.11 um	1.12 um	885 nm
Asymmetry	0.706		
Theta	82.6°		

XY profile & fitting parameters :

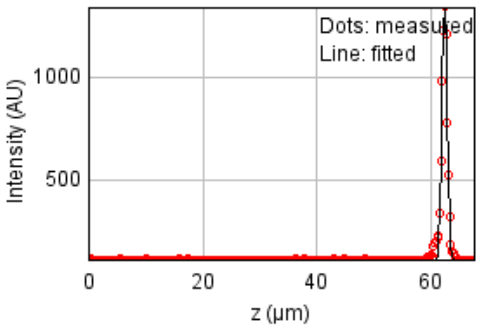
(red : the orignal data, green : the fit, yellow : the two merged)



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

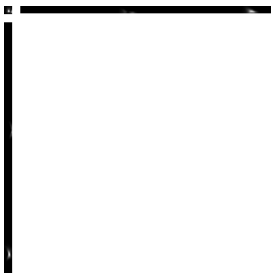
Parameters:
A = 1244.671 (brightness)
B = 126.158 (background)
a = 0.821 px
b = 0.053 px
c = 0.419 px
xc = 5.776 px
yc = 6.150 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 52062.8450
Standard deviation: 13.02251
R^2: 0.99066
Parameters:
a = 115.25797
b = 1335.25753
c = 62.44422
d = 0.47233

Bead 2988



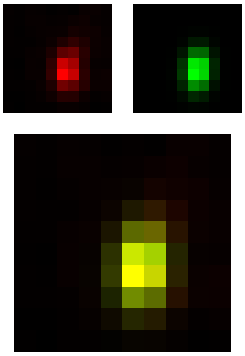
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 23.8 um (x), 37.5 um (y), 62.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	415 nm	223 nm
max	622 nm	643 nm	223 nm
z	1.27 um	1.27 um	885 nm
Asymmetry	0.645		
Theta	85.3°		

XY profile & fitting parameters :

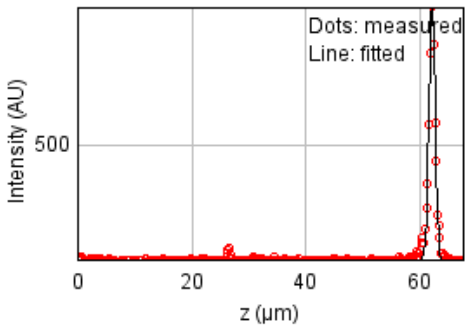
(red : the orignal data, green : the fit, yellow : the two merged)



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 = 1135.742 (brightness)
B = 129.291 (background)
a = 0.830 px
b = 0.040 px
c = 0.350 px
xc = 5.409 px
yc = 5.593 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 48532.7484
Standard deviation: 12.57327
R^2: 0.98445
Parameters:
a = 115.82457
b = 969.70090
c = 62.16474
d = 0.53840

Bead 2989

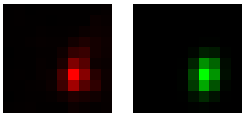
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

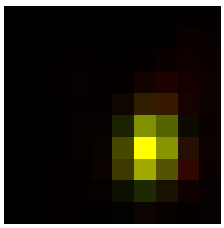
Coordinates : -9.42 um (x), 35.4 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	394 nm	223 nm
max	529 nm	546 nm	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.72		
Theta	78.5°		

XY profile & fitting parameters :

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

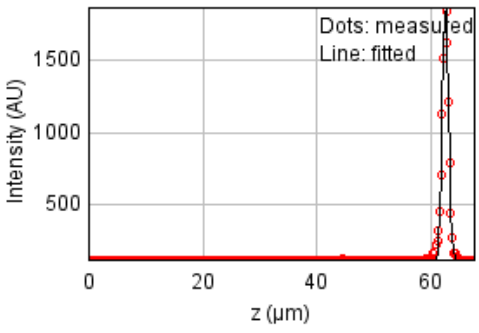




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 1676.282 (brightness)
B = 136.905 (background)
a = 0.908 px
b = 0.087 px
c = 0.498 px
xc = 6.197 px
yc = 6.041 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 55714.7513
Standard deviation: 13.47150
R^2: 0.99589
Parameters:
a = 114.79439
b = 1888.31936
c = 62.60521
d = 0.54779

Bead 2990

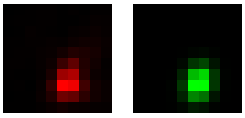
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

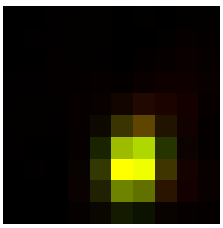
Coordinates : -5.39 um (x), 35.5 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	425 nm	223 nm
max	535 nm	553 nm	223 nm
z	1.56 um	1.57 um	885 nm
Asymmetry	0.769		
Theta	76.2°		

XY profile & fitting parameters :

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

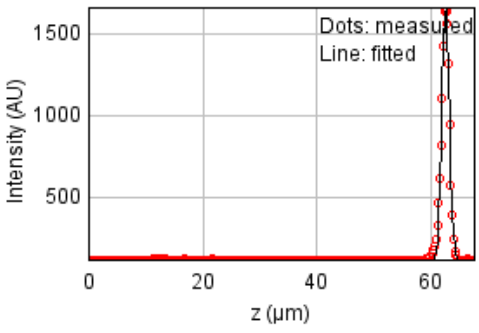




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 1721.181 (brightness)
B = 134.416 (background)
a = 0.775 px
b = 0.075 px
c = 0.488 px
xc = 5.520 px
yc = 6.739 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 69940.2203
Standard deviation: 15.09365
R^2: 0.99447
Parameters:
a = 114.51269
b = 1676.88171
c = 62.62046
d = 0.66249

Bead 2991

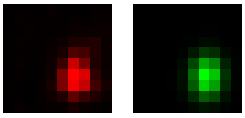
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

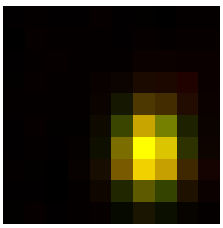
Coordinates : -16.7 um (x), 34.5 um (y), 62.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	490 nm	507 nm	223 nm
max	647 nm	669 nm	223 nm
z	1.38 um	1.39 um	885 nm
Asymmetry	0.757		
Theta	88.7°		

XY profile & fitting parameters :

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

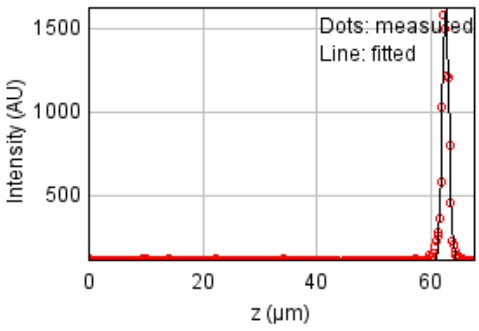




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 1259.434 (brightness)
B = 122.165 (background)
a = 0.558 px
b = 0.006 px
c = 0.320 px
xc = 6.266 px
yc = 6.184 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 427383.362
Standard deviation: 37.31123
R^2: 0.96128
Parameters:
a = 114.11674
b = 1635.50639
c = 62.64047
d = 0.58699

Bead 2992

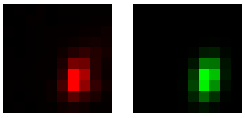
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

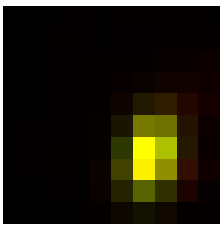
Coordinates : -21.1 um (x), 33.6 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	393 nm	223 nm
max	591 nm	611 nm	223 nm
z	1.42 um	1.42 um	885 nm
Asymmetry	0.643		
Theta	77.4°		

XY profile & fitting parameters :

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

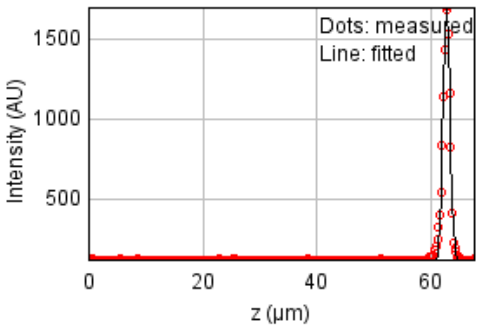




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

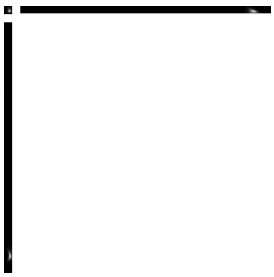
Parameters:
A = 1807.041 (brightness)
B = 135.167 (background)
a = 0.904 px
b = 0.116 px
c = 0.411 px
xc = 6.300 px
yc = 6.339 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 84827.3436
Standard deviation: 16.62259
R^2: 0.99305
Parameters:
a = 114.73274
b = 1722.43261
c = 62.79919
d = 0.60129

Bead 2993



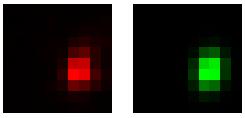
Date : Mon Oct 17 13:30:09 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

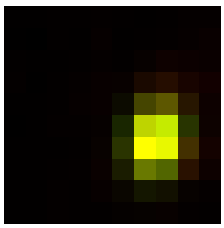
Coordinates : -25.0 um (x), 24.9 um (y), 62.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	418 nm	223 nm
max	542 nm	560 nm	223 nm
z	1.41 um	1.42 um	885 nm
Asymmetry	0.745		
Theta	79.1°		

XY profile & fitting parameters :

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

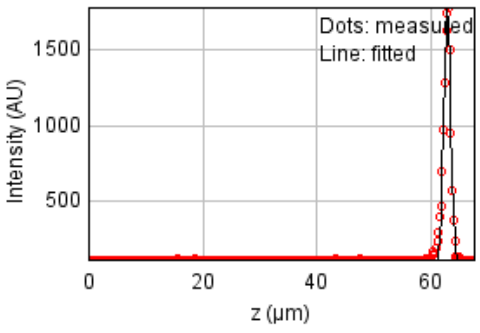




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

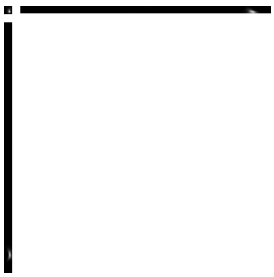
Parameters:
A = 1900.961 (brightness)
B = 126.378 (background)
a = 0.809 px
b = 0.068 px
c = 0.470 px
xc = 6.511 px
yc = 5.625 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 137528.973
Standard deviation: 21.16547
R^2: 0.98945
Parameters:
a = 114.57543
b = 1773.80292
c = 62.92190
d = 0.60015

Bead 2994



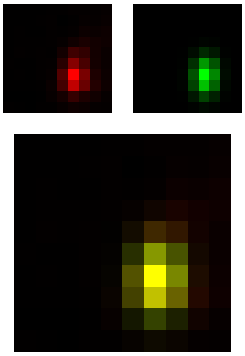
Date : Mon Oct 17 13:30:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 22.9 um (x), 22.6 um (y), 62.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	402 nm	223 nm
max	579 nm	599 nm	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.671		
Theta	87.9°		

XY profile & fitting parameters :

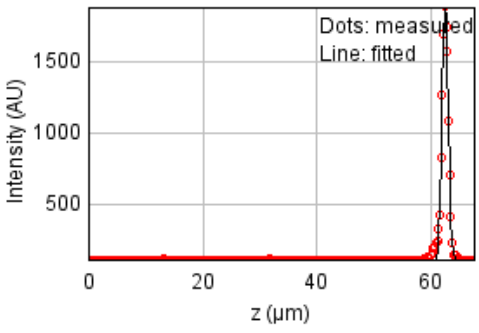
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1735.841 (brightness)
B = 135.691 (background)
a = 0.887 px
b = 0.018 px
c = 0.401 px
xc = 6.135 px
yc = 6.145 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 70429.6923
Standard deviation: 15.14638
R^2: 0.99480
Parameters:
a = 116.10026
b = 1885.54318
c = 62.54877
d = 0.54989

Bead 2995 (Rejected)

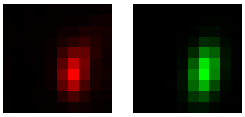
Date : Mon Oct 17 13:30:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

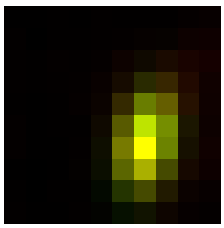
Coordinates : 18.3 um (x), 17.4 um (y), 62.3 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	430 nm	445 nm	223 nm
max	772 nm	798 nm	223 nm
z	2.31 um	2.32 um	885 nm
Asymmetry	0.557		
Theta	78.6°		

XY profile & fitting parameters :

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

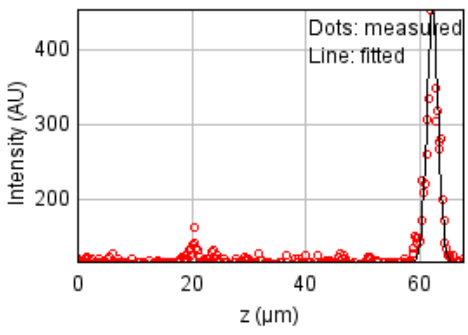




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 1391.582 (brightness)
B = 138.025 (background)
a = 0.705 px
b = 0.097 px
c = 0.245 px
xc = 6.065 px
yc = 5.706 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 59275.3110
Standard deviation: 13.89529
R^2: 0.93502
Parameters:
a = 115.15544
b = 452.42758
c = 62.26215
d = 0.98109

Bead 2996

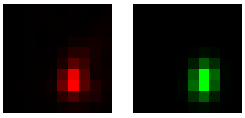
Date : Mon Oct 17 13:30:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

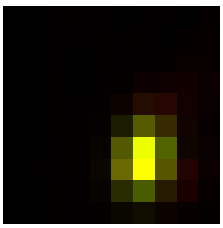
Coordinates : 15.2 um (x), 17.3 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	365 nm	377 nm	223 nm
max	517 nm	535 nm	223 nm
z	1.28 um	1.29 um	885 nm
Asymmetry	0.706		
Theta	81.1°		

XY profile & fitting parameters :

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

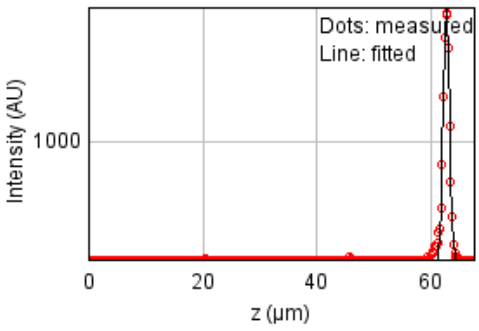




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

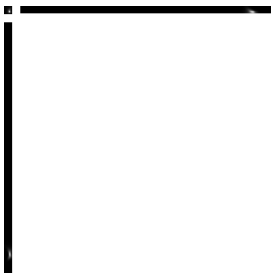
Parameters:
A = 1954.378 (brightness)
B = 137.837 (background)
a = 0.995 px
b = 0.077 px
c = 0.513 px
xc = 5.991 px
yc = 6.507 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 97852.1813
Standard deviation: 17.85320
R^2: 0.99366
Parameters:
a = 116.28901
b = 2013.34028
c = 62.77110
d = 0.54468

Bead 2997



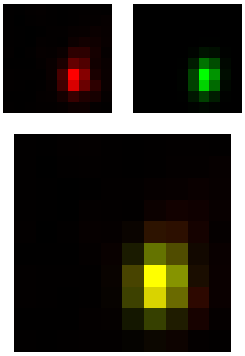
Date : Mon Oct 17 13:30:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

Coordinates : 62.7 um (x), 1.26 um (y), 62.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	377 nm	389 nm	223 nm
max	525 nm	543 nm	223 nm
z	1.24 um	1.25 um	885 nm
Asymmetry	0.717		
Theta	81.2°		

XY profile & fitting parameters :

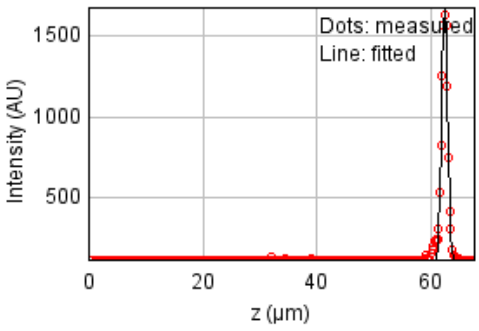
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 1600.292 (brightness)
B = 128.892 (background)
a = 0.935 px
b = 0.070 px
c = 0.497 px
xc = 6.187 px
yc = 6.280 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 67985.5750
Standard deviation: 14.88124
R^2: 0.99332
Parameters:
a = 114.82870
b = 1678.02766
c = 62.45710
d = 0.52832

Bead 2998

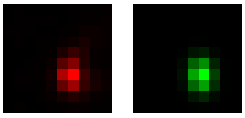
Date : Mon Oct 17 13:30:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

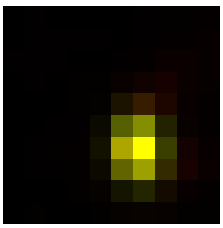
Coordinates : 45.0 um (x), -1.77 um (y), 62.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	383 nm	396 nm	223 nm
max	506 nm	524 nm	223 nm
z	1.17 um	1.17 um	885 nm
Asymmetry	0.755		
Theta	-87.2°		

XY profile & fitting parameters :

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

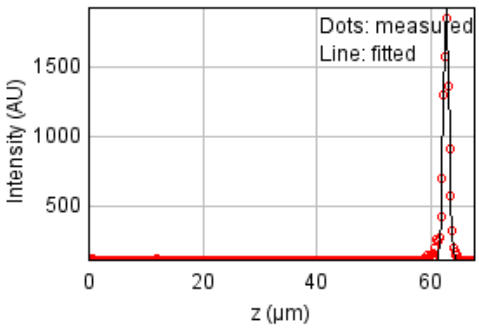




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 1973.879 (brightness)
B = 132.089 (background)
a = 0.916 px
b = -0.019 px
c = 0.524 px
xc = 5.739 px
yc = 6.049 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 130213.630
Standard deviation: 20.59487
R^2: 0.98997
Parameters:
a = 117.31410
b = 1934.01343
c = 62.74258
d = 0.49632

Bead 2999

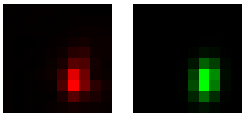
Date : Mon Oct 17 13:30:10 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

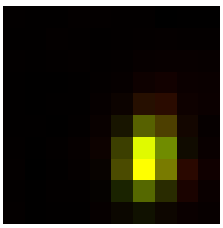
Coordinates : 53.1 um (x), -6.71 um (y), 62.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	368 nm	380 nm	223 nm
max	547 nm	565 nm	223 nm
z	1.29 um	1.3 um	885 nm
Asymmetry	0.673		
Theta	81.9°		

XY profile & fitting parameters :

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

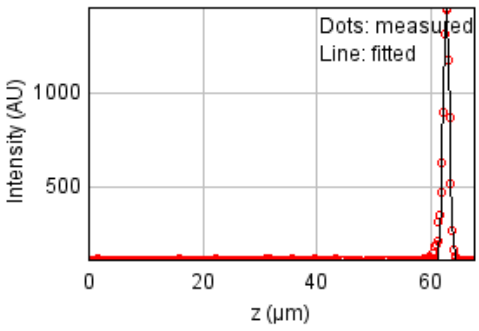




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

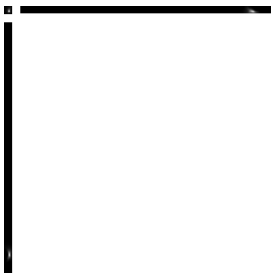
Parameters:
A = 1382.451 (brightness)
B = 127.600 (background)
a = 0.980 px
b = 0.076 px
c = 0.460 px
xc = 6.166 px
yc = 6.498 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 93778.7445
Standard deviation: 17.47765
R^2: 0.98806
Parameters:
a = 114.03512
b = 1458.08765
c = 62.76172
d = 0.54880

Bead 3000



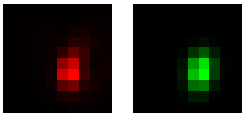
Date : Mon Oct 17 13:30:11 PDT 2022
Origin : data_traditional.tif (Nikon 40x1.15 water)
Frame size : 10 pixels

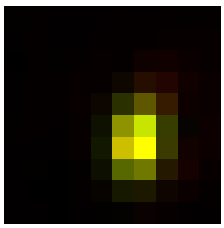
Coordinates : 80.7 um (x), -28.7 um (y), 62.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	401 nm	223 nm
max	564 nm	583 nm	223 nm
z	1.09 um	1.1 um	885 nm
Asymmetry	0.688		
Theta	81.0°		

XY profile & fitting parameters :

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

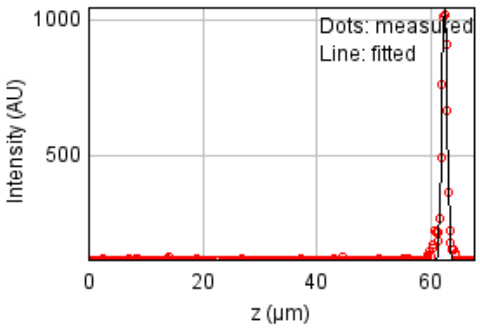




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 1266.522 (brightness)
B = 128.235 (background)
a = 0.880 px
b = 0.073 px
c = 0.434 px
xc = 5.693 px
yc = 5.678 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 52392.1262
Standard deviation: 13.06363
R^2: 0.98379
Parameters:
a = 114.16130
b = 1048.36994
c = 62.42912
d = 0.46348