Bead 1801

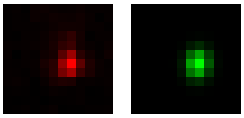
Date : Mon Oct 17 13:52:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

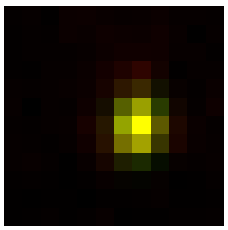
Coordinates : 50.1 um (x), -24.1 um (y), 35.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	541 nm	564 nm	270 nm
z	1.93 um	1.94 um	1.3 um
Asymmetry	0.779		
Theta	83.8°		

XY profile & fitting parameters :

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

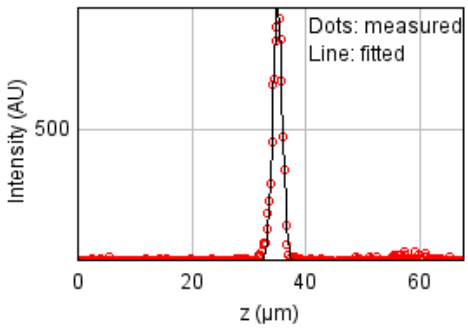




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

Parameters:
A = 759.346 (brightness)
B = 125.832 (background)
a = 0.751 px
b = 0.032 px
c = 0.461 px
xc = 6.794 px
yc = 6.021 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46802.0980
Standard deviation: 12.34706
R^2: 0.98712
Parameters:
a = 114.50504
b = 867.05105
c = 35.10888
d = 0.82111

Bead 1802

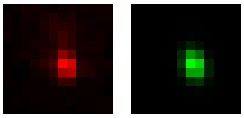
Date : Mon Oct 17 13:52:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

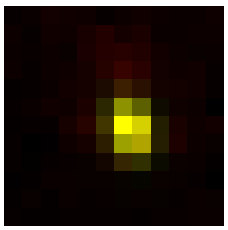
Coordinates : 91.2 um (x), -30.7 um (y), 34.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	532 nm	554 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.724		
Theta	-74.3°		

XY profile & fitting parameters :

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

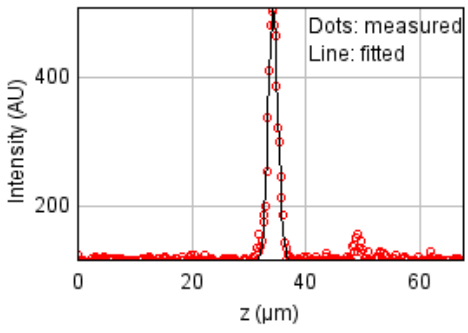




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.938

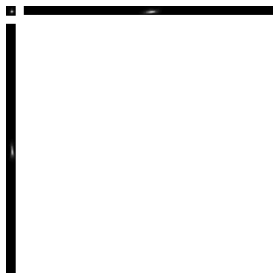
Parameters:
A = 445.091 (brightness)
B = 119.469 (background)
a = 0.875 px
b = -0.112 px
c = 0.506 px
xc = 6.400 px
yc = 6.133 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24322.7151
Standard deviation: 8.90096
R^2: 0.97695
Parameters:
a = 114.20179
b = 510.78208
c = 34.33175
d = 0.85135

Bead 1803



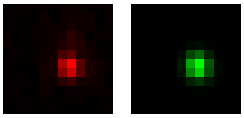
Date : Mon Oct 17 13:52:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

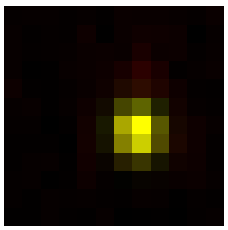
Coordinates : -149 um (x), -33.8 um (y), 34.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	439 nm	270 nm
max	485 nm	506 nm	270 nm
z	1.82 um	1.83 um	1.3 um
Asymmetry	0.868		
Theta	-81.4°		

XY profile & fitting parameters :

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

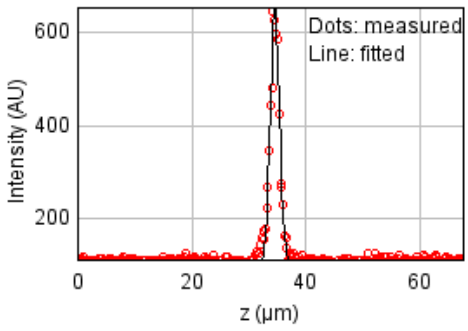




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 543.030 (brightness)
B = 120.542 (background)
a = 0.751 px
b = -0.027 px
c = 0.574 px
xc = 6.793 px
yc = 6.306 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35217.9301
Standard deviation: 10.71057
R^2: 0.98048
Parameters:
a = 112.00278
b = 655.92413
c = 34.64503
d = 0.77342

Bead 1804

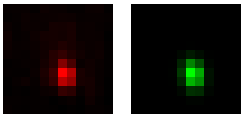
Date : Mon Oct 17 13:52:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

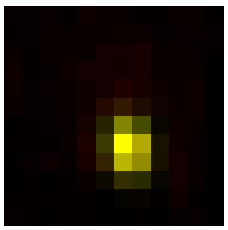
Coordinates : 113 um (x), -39.8 um (y), 34.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	390 nm	270 nm
max	524 nm	546 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.715		
Theta	-80.6°		

XY profile & fitting parameters :

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

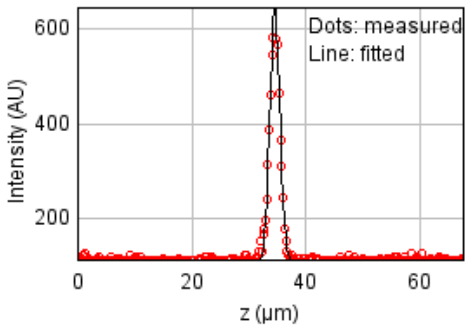




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 596.824 (brightness)
B = 122.566 (background)
a = 0.945 px
b = -0.076 px
c = 0.501 px
xc = 6.301 px
yc = 7.200 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16039.6800
Standard deviation: 7.22818
R^2: 0.99161
Parameters:
a = 112.36453
b = 648.60579
c = 34.64323
d = 0.85677

Bead 1805 (Rejected)

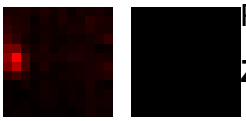
Date : Mon Oct 17 13:52:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 141 um (x), -41.0 um (y), 22.3 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

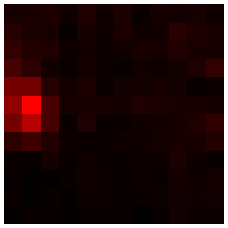
XY profile & fitting parameters :

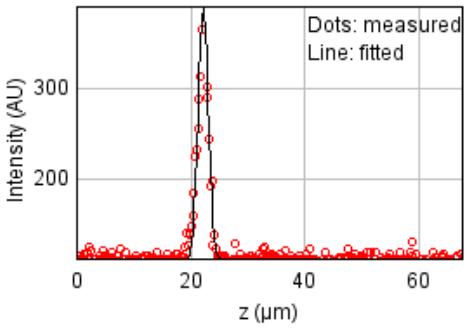
(red : the orignal data, green : the fit, yellow : the two merged)



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: 21633.8913
Standard deviation: 8.39456
R^2: 0.96136
Parameters:
a = 110.46112
b = 391.34859
c = 22.27621
d = 0.88802

Bead 1806

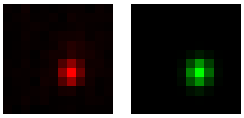
Date : Mon Oct 17 13:52:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

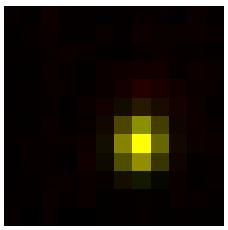
Coordinates : -156 um (x), -47.2 um (y), 34.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.854		
Theta	81.5°		

XY profile & fitting parameters :

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

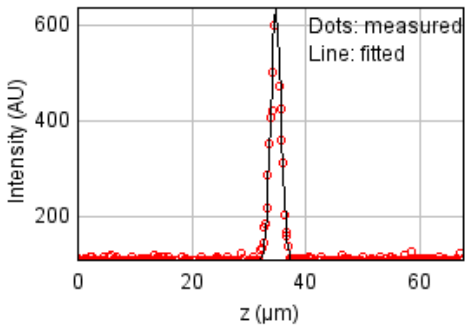




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 561.144 (brightness)
B = 119.723 (background)
a = 0.792 px
b = 0.032 px
c = 0.586 px
xc = 6.921 px
yc = 6.994 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46404.9095
Standard deviation: 12.29455
R^2: 0.97582
Parameters:
a = 109.68765
b = 637.24473
c = 34.81941
d = 0.87545

Bead 1807 (Rejected)

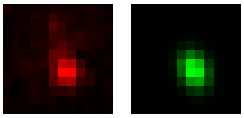
Date : Mon Oct 17 13:52:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

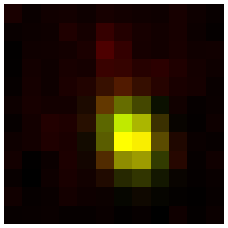
Coordinates : -92.8 um (x), 72.1 um (y), 33.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	485 nm	505 nm	270 nm
max	663 nm	690 nm	270 nm
z	1.04 um	1.05 um	1.3 um
Asymmetry	0.732		
Theta	-69.4°		

XY profile & fitting parameters :

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

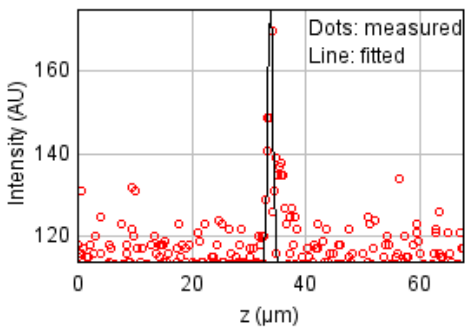




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.888

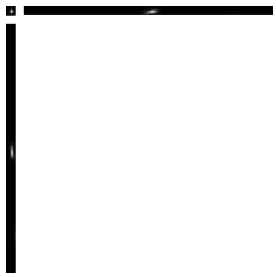
Parameters:
A = 313.137 (brightness)
B = 126.630 (background)
a = 0.537 px
b = -0.087 px
c = 0.338 px
xc = 6.387 px
yc = 6.729 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15471.4599
Standard deviation: 7.09899
R^2: 0.45947
Parameters:
a = 113.57840
b = 175.02569
c = 33.85415
d = 0.44257

Bead 1808



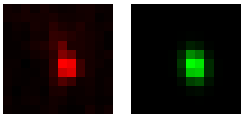
Date : Mon Oct 17 13:52:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

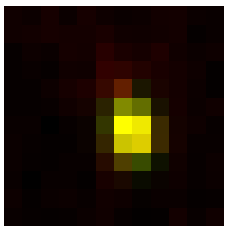
Coordinates : 71.2 um (x), 66.3 um (y), 34.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	420 nm	270 nm
max	560 nm	583 nm	270 nm
z	1.91 um	1.92 um	1.3 um
Asymmetry	0.72		
Theta	-80.4°		

XY profile & fitting parameters :

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

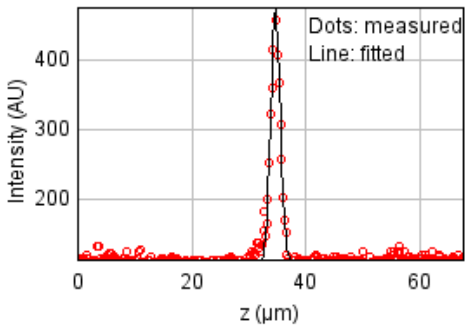




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.933

Parameters:
A = 410.408 (brightness)
B = 120.756 (background)
a = 0.815 px
b = -0.066 px
c = 0.439 px
xc = 6.466 px
yc = 6.270 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20281.7752
Standard deviation: 8.12800
R^2: 0.97568
Parameters:
a = 114.11294
b = 474.29011
c = 34.75097
d = 0.81296

Bead 1809

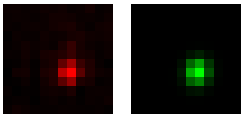
Date : Mon Oct 17 13:52:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

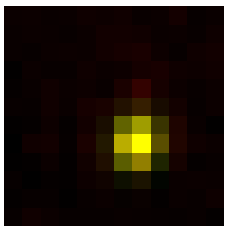
Coordinates : -159 um (x), 34.0 um (y), 34.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	480 nm	500 nm	270 nm
z	2.17 um	2.18 um	1.3 um
Asymmetry	0.857		
Theta	79.1°		

XY profile & fitting parameters :

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

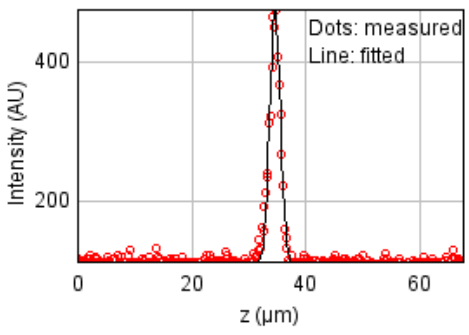




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

Parameters:
A = 428.001 (brightness)
B = 120.887 (background)
a = 0.787 px
b = 0.039 px
c = 0.591 px
xc = 6.752 px
yc = 6.925 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24341.1375
Standard deviation: 8.90433
R^2: 0.97519
Parameters:
a = 110.70845
b = 478.91409
c = 34.66396
d = 0.92004

Bead 1810

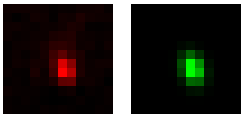
Date : Mon Oct 17 13:52:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

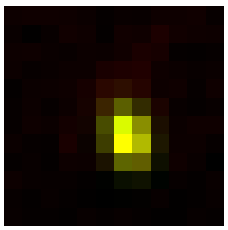
Coordinates : 37.0 um (x), 26.6 um (y), 34.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	552 nm	575 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.695		
Theta	-74.3°		

XY profile & fitting parameters :

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

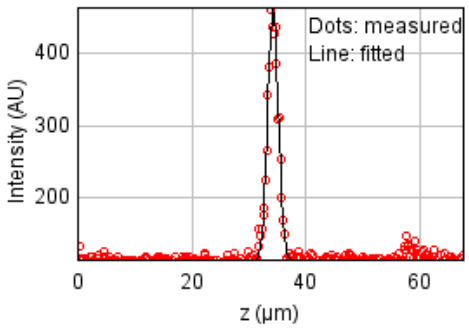




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

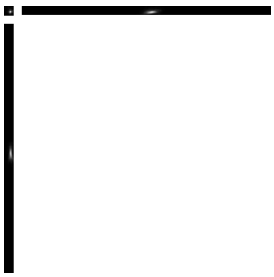
Parameters:
A = 347.950 (brightness)
B = 119.540 (background)
a = 0.876 px
b = -0.122 px
c = 0.474 px
xc = 6.260 px
yc = 6.586 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22663.6233
Standard deviation: 8.59202
R^2: 0.97443
Parameters:
a = 114.39125
b = 462.47877
c = 34.31715
d = 0.93002

Bead 1811



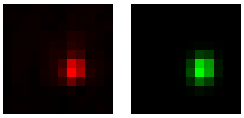
Date : Mon Oct 17 13:52:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

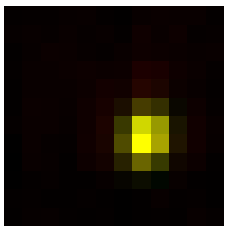
Coordinates : -39.8 um (x), 24.8 um (y), 35.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	498 nm	518 nm	270 nm
z	2.15 um	2.16 um	1.3 um
Asymmetry	0.802		
Theta	79.8°		

XY profile & fitting parameters :

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

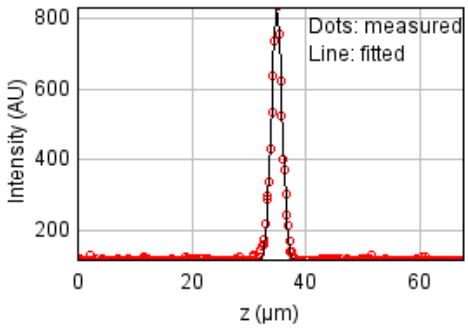




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 802.498 (brightness)
B = 127.680 (background)
a = 0.832 px
b = 0.052 px
c = 0.551 px
xc = 7.255 px
yc = 6.630 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36104.2948
Standard deviation: 10.84452
R^2: 0.99009
Parameters:
a = 114.26768
b = 831.48829
c = 34.96919
d = 0.91369

Bead 1812 (Rejected)

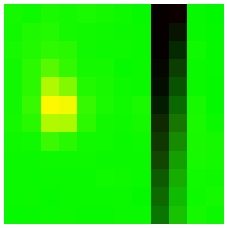
Date : Mon Oct 17 13:52:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 85.3 um (x), 21.9 um (y), 27.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	125 nm	131 nm	270 nm
max	4.79 um	4.98 um	270 nm
z	2.39 um	2.4 um	1.3 um
Asymmetry	0.026		
Theta	89.7°		

XY profile & fitting parameters :

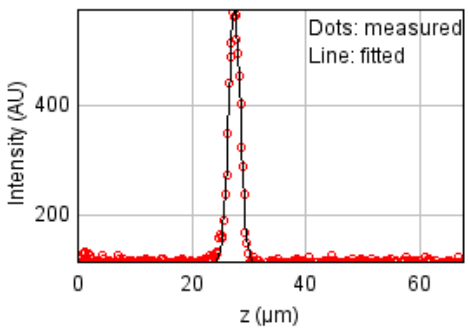
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.028

Parameters:
A = -318.901 (brightness)
B = 152.993 (background)
a = 8.528 px
b = 0.041 px
c = 0.006 px
xc = 8.514 px
yc = -2.905 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17730.9730
Standard deviation: 7.59971
R^2: 0.98944
Parameters:
a = 113.02186
b = 575.80688
c = 27.55709
d = 1.01658

Bead 1813

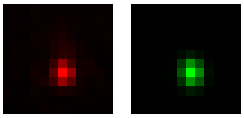
Date : Mon Oct 17 13:52:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

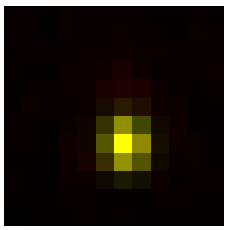
Coordinates : -103 um (x), 5.61 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	483 nm	503 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.813		
Theta	-83.7°		

XY profile & fitting parameters :

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

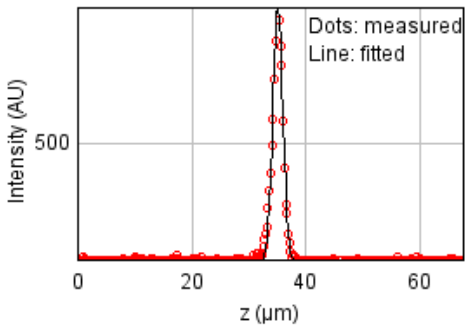




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 880.929 (brightness)
B = 127.401 (background)
a = 0.867 px
b = -0.032 px
c = 0.579 px
xc = 6.135 px
yc = 7.010 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 43683.7173
Standard deviation: 11.92863
R^2: 0.99063
Parameters:
a = 113.49847
b = 946.06209
c = 35.15324
d = 0.86617

Bead 1814

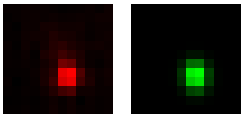
Date : Mon Oct 17 13:52:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

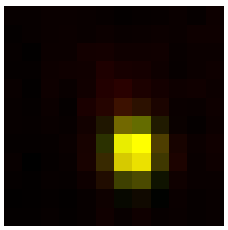
Coordinates : 1.88 um (x), -1.73 um (y), 35.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	523 nm	544 nm	270 nm
z	1.82 um	1.83 um	1.3 um
Asymmetry	0.81		
Theta	-86.4°		

XY profile & fitting parameters :

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

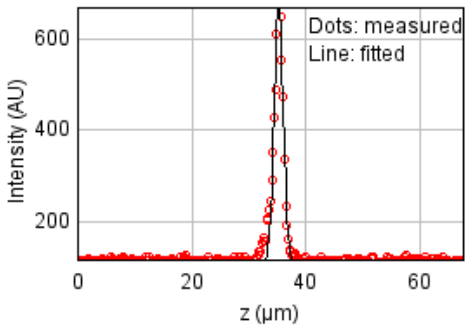




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 694.228 (brightness)
B = 126.112 (background)
a = 0.749 px
b = -0.016 px
c = 0.492 px
xc = 6.559 px
yc = 7.355 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 42734.4203
Standard deviation: 11.79831
R^2: 0.97779
Parameters:
a = 114.60246
b = 675.12325
c = 35.30861
d = 0.77468

Bead 1815 (Rejected)

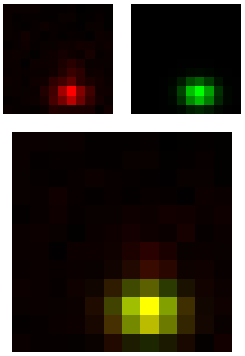
Date : Mon Oct 17 13:52:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -75.9 um (x), -29.9 um (y), 31.6 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	455 nm	474 nm	270 nm
max	596 nm	620 nm	270 nm
z	3.63 um	3.65 um	1.3 um
Asymmetry	0.764		
Theta	-3.3°		

XY profile & fitting parameters :

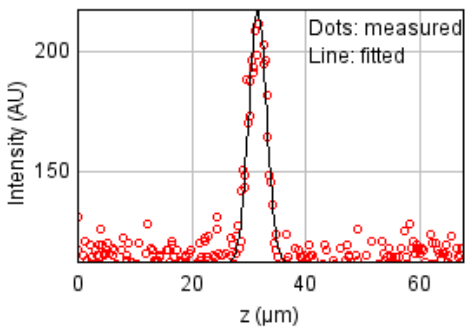
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 434.480 (brightness)
B = 125.371 (background)
a = 0.379 px
b = -0.015 px
c = 0.646 px
xc = 6.892 px
yc = 9.260 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14394.7642
Standard deviation: 6.84752
R^2: 0.89671
Parameters:
a = 112.78353
b = 217.34999
c = 31.61799
d = 1.54328

Bead 1816 (Rejected)

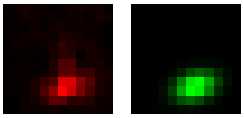
Date : Mon Oct 17 13:52:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

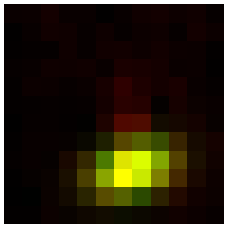
Coordinates : 50.7 um (x), -30.4 um (y), 31.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	485 nm	505 nm	270 nm
max	761 nm	793 nm	270 nm
z	3.24 um	3.25 um	1.3 um
Asymmetry	0.637		
Theta	17.4°		

XY profile & fitting parameters :

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

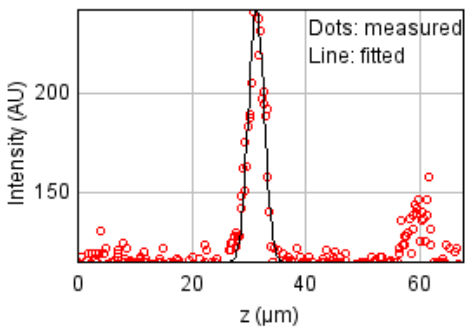




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.923

Parameters:
A = 423.953 (brightness)
B = 126.330 (background)
a = 0.262 px
b = 0.097 px
c = 0.541 px
xc = 6.507 px
yc = 8.512 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25344.4745
Standard deviation: 9.08599
R^2: 0.86992
Parameters:
a = 114.52658
b = 242.96506
c = 31.37612
d = 1.37407

Bead 1817

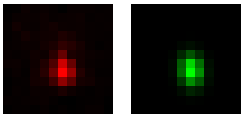
Date : Mon Oct 17 13:52:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

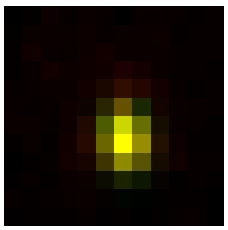
Coordinates : 73.7 um (x), -59.2 um (y), 34.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	439 nm	270 nm
max	585 nm	610 nm	270 nm
z	2.32 um	2.33 um	1.3 um
Asymmetry	0.72		
Theta	-84.3°		

XY profile & fitting parameters :

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

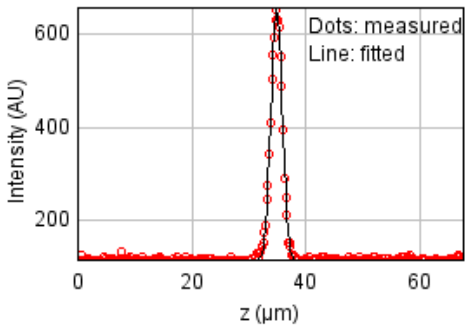




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 539.915 (brightness)
B = 122.940 (background)
a = 0.753 px
b = -0.036 px
c = 0.395 px
xc = 6.096 px
yc = 6.735 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14251.4421
Standard deviation: 6.81334
R^2: 0.99365
Parameters:
a = 112.93202
b = 657.65129
c = 34.94213
d = 0.98365

Bead 1818

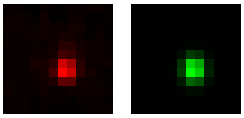
Date : Mon Oct 17 13:52:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

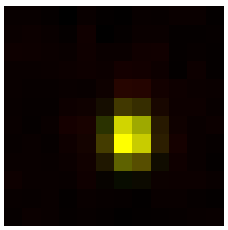
Coordinates : -54.5 um (x), -63.6 um (y), 34.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	483 nm	503 nm	270 nm
z	2.22 um	2.23 um	1.3 um
Asymmetry	0.826		
Theta	-89.5°		

XY profile & fitting parameters :

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

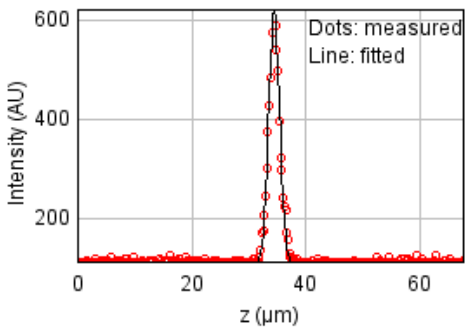




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.976

Parameters:
A = 635.775 (brightness)
B = 122.441 (background)
a = 0.843 px
b = -0.002 px
c = 0.575 px
xc = 6.365 px
yc = 6.661 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25809.4502
Standard deviation: 9.16896
R^2: 0.98638
Parameters:
a = 113.00288
b = 621.52333
c = 34.51209
d = 0.94411

Bead 1819 (Rejected)

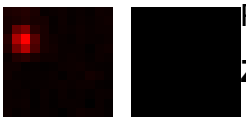
Date : Mon Oct 17 13:52:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 159 um (x), -81.8 um (y), 21.1 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.33 um	2.34 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

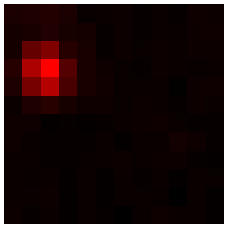
XY profile & fitting parameters :

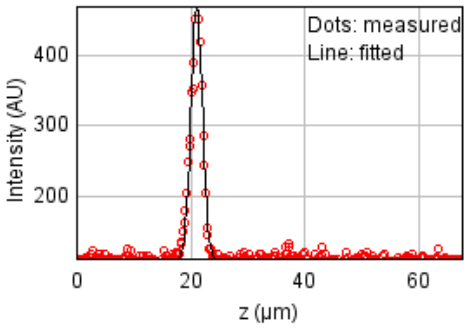
(red : the orignal data, green : the fit, yellow : the two merged)



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: 24205.7509
Standard deviation: 8.87953
R^2: 0.97552
Parameters:
a = 110.57541
b = 467.82578
c = 21.11977
d = 0.98928

Bead 1820

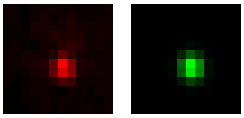
Date : Mon Oct 17 13:52:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

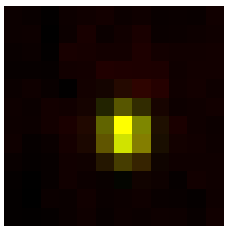
Coordinates : -148 um (x), -82.5 um (y), 34.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	474 nm	494 nm	270 nm
z	2.24 um	2.25 um	1.3 um
Asymmetry	0.869		
Theta	-83.1°		

XY profile & fitting parameters :

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

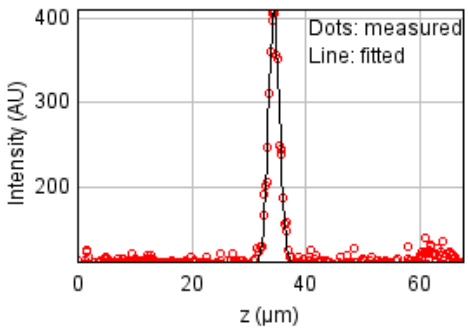




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

Parameters:
A = 378.717 (brightness)
B = 118.051 (background)
a = 0.787 px
b = -0.023 px
c = 0.600 px
xc = 6.107 px
yc = 6.406 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22554.4598
Standard deviation: 8.57131
R^2: 0.96631
Parameters:
a = 111.90485
b = 409.98958
c = 34.49088
d = 0.95112

Bead 1821

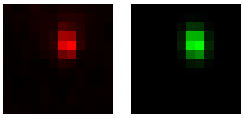
Date : Mon Oct 17 13:52:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

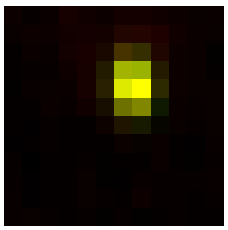
Coordinates : 51.2 um (x), 76.3 um (y), 57.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	375 nm	391 nm	270 nm
max	523 nm	545 nm	270 nm
z	1.98 um	1.99 um	1.3 um
Asymmetry	0.717		
Theta	-83.9°		

XY profile & fitting parameters :

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

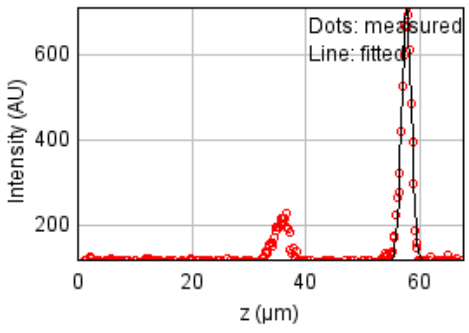




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 729.508 (brightness)
B = 122.690 (background)
a = 0.949 px
b = -0.049 px
c = 0.496 px
xc = 6.537 px
yc = 3.817 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 143945.802
Standard deviation: 21.65361
R^2: 0.94051
Parameters:
a = 119.13429
b = 711.74091
c = 57.70056
d = 0.84132

Bead 1822

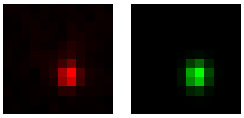
Date : Mon Oct 17 13:52:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

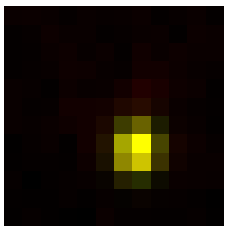
Coordinates : -55.9 um (x), 66.5 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	470 nm	489 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.832		
Theta	83.9°		

XY profile & fitting parameters :

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

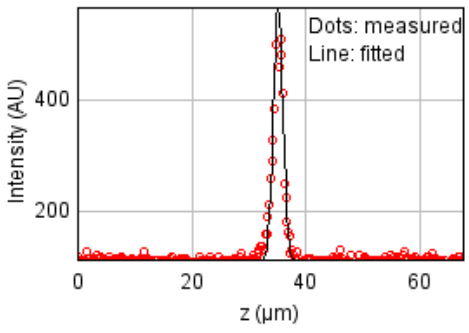




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 598.650 (brightness)
B = 124.483 (background)
a = 0.875 px
b = 0.028 px
c = 0.611 px
xc = 6.737 px
yc = 7.295 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 49406.1856
Standard deviation: 12.68591
R^2: 0.96375
Parameters:
a = 113.12903
b = 565.38177
c = 35.21509
d = 0.83357

Bead 1823

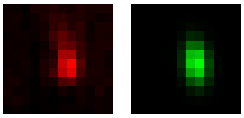
Date : Mon Oct 17 13:52:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

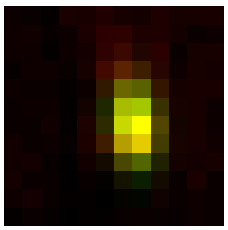
Coordinates : 163 um (x), 55.8 um (y), 34.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	426 nm	444 nm	270 nm
max	765 nm	796 nm	270 nm
z	2.12 um	2.13 um	1.3 um
Asymmetry	0.557		
Theta	-84.4°		

XY profile & fitting parameters :

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

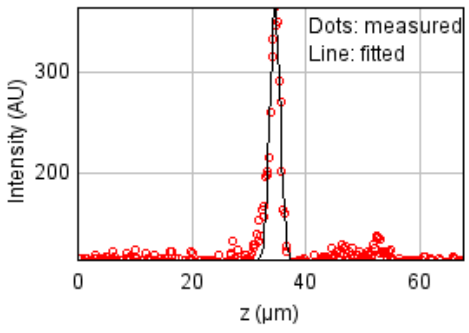




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.907

Parameters:
A = 265.001 (brightness)
B = 115.726 (background)
a = 0.734 px
b = -0.049 px
c = 0.234 px
xc = 6.605 px
yc = 5.936 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27401.9777
Standard deviation: 9.44761
R^2: 0.94110
Parameters:
a = 112.95058
b = 364.43003
c = 34.66845
d = 0.90190

Bead 1824

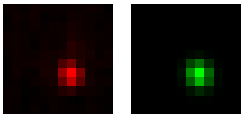
Date : Mon Oct 17 13:52:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

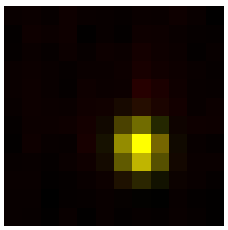
Coordinates : -51.9 um (x), 41.0 um (y), 35.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	477 nm	497 nm	270 nm
z	2.18 um	2.19 um	1.3 um
Asymmetry	0.876		
Theta	-74.1°		

XY profile & fitting parameters :

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

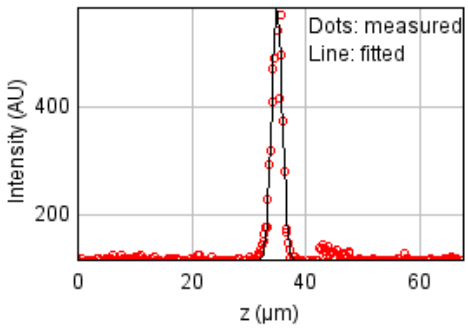




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

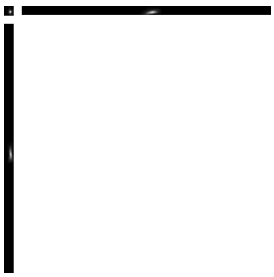
Parameters:
A = 530.535 (brightness)
B = 120.720 (background)
a = 0.756 px
b = -0.047 px
c = 0.603 px
xc = 6.909 px
yc = 7.206 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 58892.3221
Standard deviation: 13.85033
R^2: 0.96346
Parameters:
a = 115.59528
b = 583.08485
c = 35.00507
d = 0.92682

Bead 1825



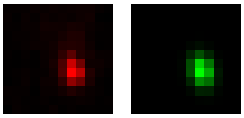
Date : Mon Oct 17 13:52:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

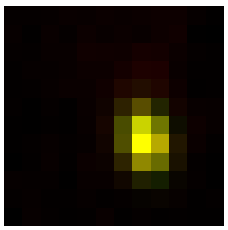
Coordinates : 70.4 um (x), 36.0 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	587 nm	611 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.69		
Theta	-78.2°		

XY profile & fitting parameters :

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

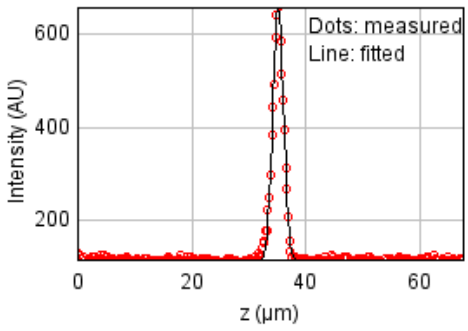




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 607.490 (brightness)
B = 123.792 (background)
a = 0.801 px
b = -0.086 px
c = 0.408 px
xc = 7.219 px
yc = 6.777 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19690.1789
Standard deviation: 8.00858
R^2: 0.99073
Parameters:
a = 114.09810
b = 656.84907
c = 35.20931
d = 0.93205

Bead 1826 (Rejected)

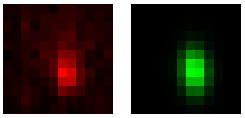
Date : Mon Oct 17 13:52:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

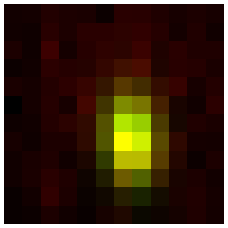
Coordinates : 141 um (x), 10.7 um (y), 33.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	481 nm	501 nm	270 nm
max	816 nm	850 nm	270 nm
z	2.18 um	2.19 um	1.3 um
Asymmetry	0.589		
Theta	-85.6°		

XY profile & fitting parameters :

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

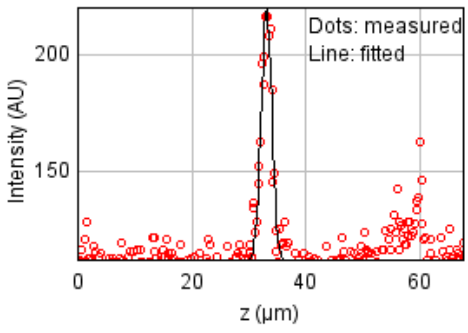




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.880

Parameters:
A = 142.338 (brightness)
B = 114.354 (background)
a = 0.578 px
b = -0.029 px
c = 0.204 px
xc = 6.442 px
yc = 6.807 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23354.8133
Standard deviation: 8.72206
R^2: 0.78200
Parameters:
a = 111.98178
b = 220.66473
c = 33.17866
d = 0.92514

Bead 1827

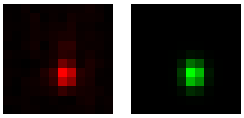
Date : Mon Oct 17 13:52:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

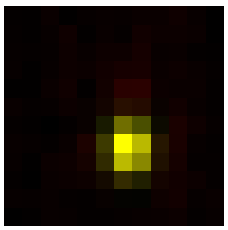
Coordinates : -109 um (x), -35.6 um (y), 34.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.8		
Theta	-89.2°		

XY profile & fitting parameters :

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

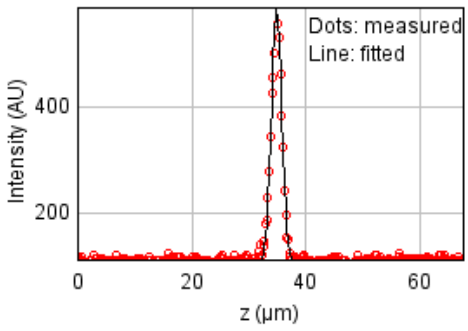




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 542.245 (brightness)
B = 122.318 (background)
a = 0.905 px
b = -0.005 px
c = 0.579 px
xc = 6.321 px
yc = 7.229 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16414.2656
Standard deviation: 7.31209
R^2: 0.98946
Parameters:
a = 112.97559
b = 588.33703
c = 34.93844
d = 0.88781

Bead 1828

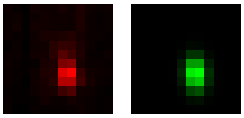
Date : Mon Oct 17 13:52:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

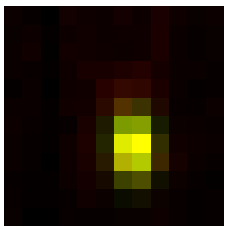
Coordinates : 137 um (x), -41.3 um (y), 35.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	617 nm	642 nm	270 nm
z	1.95 um	1.96 um	1.3 um
Asymmetry	0.63		
Theta	-87.1°		

XY profile & fitting parameters :

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

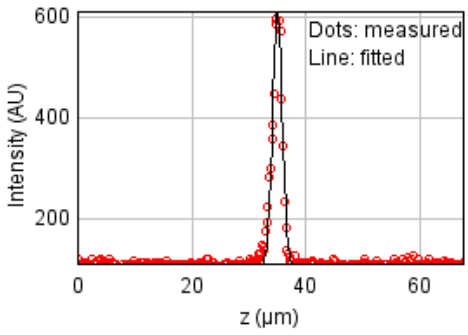




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.941

Parameters:
A = 532.800 (brightness)
B = 120.592 (background)
a = 0.889 px
b = -0.027 px
c = 0.354 px
xc = 6.549 px
yc = 7.132 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41132.2422
Standard deviation: 11.57503
R^2: 0.97511
Parameters:
a = 111.68461
b = 613.85926
c = 35.07991
d = 0.82898

Bead 1829

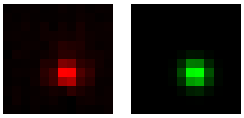
Date : Mon Oct 17 13:52:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

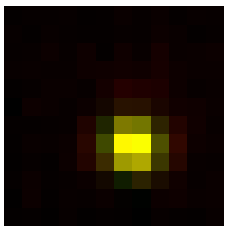
Coordinates : -109 um (x), -48.1 um (y), 35.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	465 nm	484 nm	270 nm
max	486 nm	506 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.957		
Theta	-45.6°		

XY profile & fitting parameters :

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

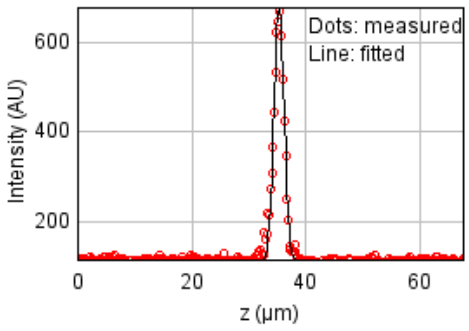




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 638.535 (brightness)
B = 124.691 (background)
a = 0.595 px
b = -0.026 px
c = 0.594 px
xc = 6.531 px
yc = 7.126 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31484.2480
Standard deviation: 10.12692
R^2: 0.98549
Parameters:
a = 113.20196
b = 677.27408
c = 35.37001
d = 0.87395

Bead 1830

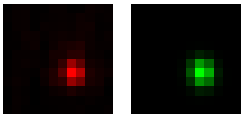
Date : Mon Oct 17 13:52:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

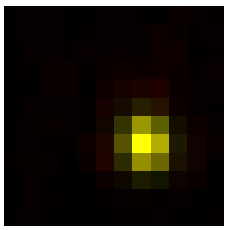
Coordinates : 22.5 um (x), -92.1 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	497 nm	517 nm	270 nm
z	2.08 um	2.08 um	1.3 um
Asymmetry	0.843		
Theta	-82.1°		

XY profile & fitting parameters :

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

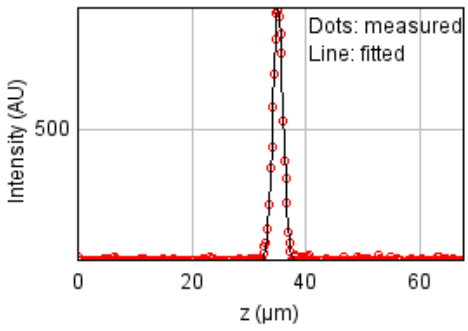




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 755.049 (brightness)
B = 124.334 (background)
a = 0.761 px
b = -0.030 px
c = 0.548 px
xc = 7.243 px
yc = 6.987 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19855.4894
Standard deviation: 8.04213
R^2: 0.99475
Parameters:
a = 113.21997
b = 858.14364
c = 35.18612
d = 0.88144

Bead 1831 (Rejected)

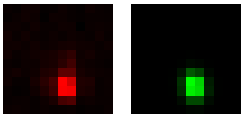
Date : Mon Oct 17 13:52:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

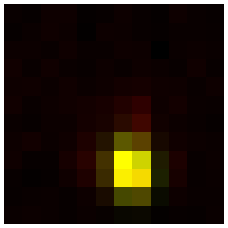
Coordinates : -83.9 um (x), 43.6 um (y), 31.3 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	396 nm	270 nm
max	489 nm	510 nm	270 nm
z	3.41 um	3.43 um	1.3 um
Asymmetry	0.777		
Theta	-82.2°		

XY profile & fitting parameters :

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

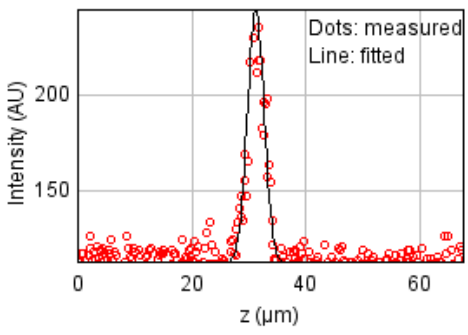




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

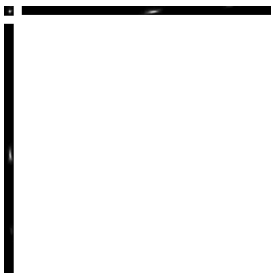
Parameters:
A = 626.066 (brightness)
B = 125.952 (background)
a = 0.920 px
b = -0.049 px
c = 0.567 px
xc = 6.421 px
yc = 8.479 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21129.1536
Standard deviation: 8.29606
R^2: 0.89922
Parameters:
a = 112.98275
b = 245.11988
c = 31.28726
d = 1.45019

Bead 1832



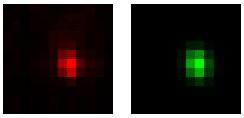
Date : Mon Oct 17 13:52:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

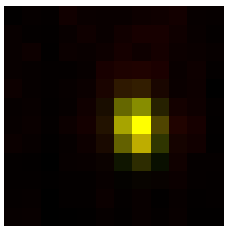
Coordinates : 5.01 um (x), 34.0 um (y), 35.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	405 nm	270 nm
max	528 nm	550 nm	270 nm
z	2.07 um	2.08 um	1.3 um
Asymmetry	0.736		
Theta	-80.4°		

XY profile & fitting parameters :

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

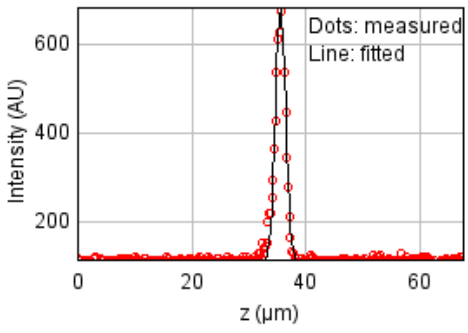




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 583.479 (brightness)
B = 122.015 (background)
a = 0.877 px
b = -0.067 px
c = 0.493 px
xc = 6.759 px
yc = 6.071 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37861.4849
Standard deviation: 11.10528
R^2: 0.98284
Parameters:
a = 114.35232
b = 681.07929
c = 35.63245
d = 0.87864

Bead 1833

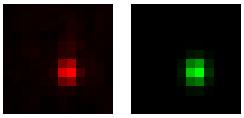
Date : Mon Oct 17 13:52:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

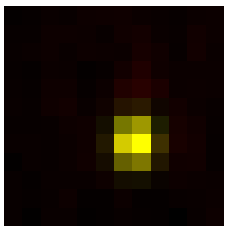
Coordinates : -130 um (x), 18.2 um (y), 35.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	375 nm	391 nm	270 nm
max	457 nm	476 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.821		
Theta	87.8°		

XY profile & fitting parameters :

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

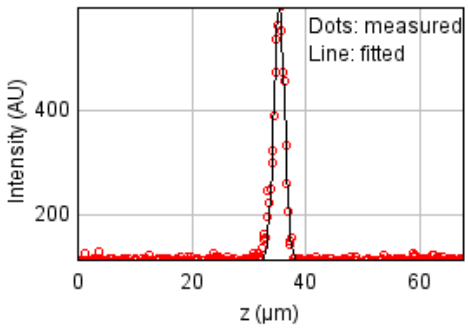




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

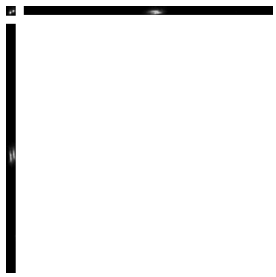
Parameters:
A = 603.071 (brightness)
B = 120.223 (background)
a = 0.952 px
b = 0.012 px
c = 0.642 px
xc = 6.622 px
yc = 6.908 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36710.2155
Standard deviation: 10.93514
R^2: 0.97880
Parameters:
a = 111.41039
b = 598.49664
c = 35.40163
d = 0.93204

Bead 1834 (Rejected)



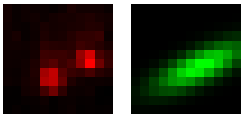
Date : Mon Oct 17 13:52:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

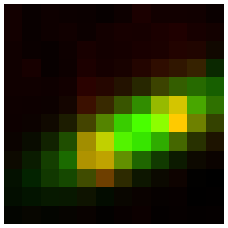
Coordinates : -108 um (x), 15.0 um (y), 35.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	567 nm	590 nm	270 nm
max	1.71 um	1.78 um	270 nm
z	2.18 um	2.19 um	1.3 um
Asymmetry	0.332		
Theta	24.8°		

XY profile & fitting parameters :

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

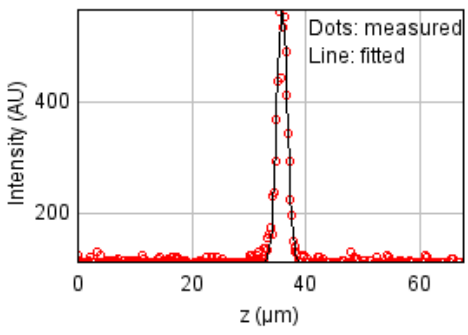




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.593

Parameters:
A = 253.674 (brightness)
B = 124.995 (background)
a = 0.111 px
b = 0.142 px
c = 0.352 px
xc = 7.093 px
yc = 6.307 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 46636.3870
Standard deviation: 12.32518
R^2: 0.96877
Parameters:
a = 113.26988
b = 564.73315
c = 35.90451
d = 0.92593

Bead 1835

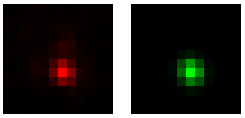
Date : Mon Oct 17 13:52:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

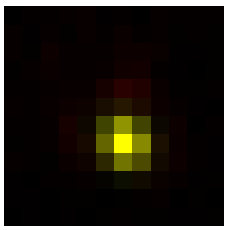
Coordinates : -59.2 um (x), -972 nm (y), 35.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	463 nm	482 nm	270 nm
z	2.11 um	2.12 um	1.3 um
Asymmetry	0.874		
Theta	-62.8°		

XY profile & fitting parameters :

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

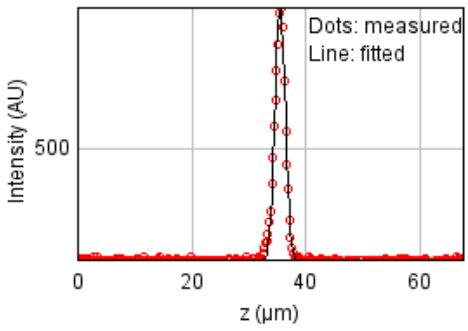




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 848.813 (brightness)
B = 128.263 (background)
a = 0.780 px
b = -0.079 px
c = 0.668 px
xc = 6.090 px
yc = 6.919 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 48710.7480
Standard deviation: 12.59631
R^2: 0.99083
Parameters:
a = 113.90572
b = 988.45407
c = 35.55995
d = 0.89569

Bead 1836 (Rejected)

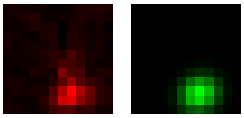
Date : Mon Oct 17 13:52:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

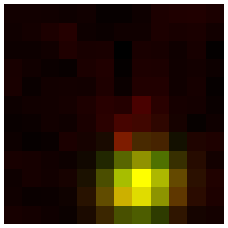
Coordinates : 133 um (x), -7.65 um (y), 32.3 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	602 nm	627 nm	270 nm
max	683 nm	711 nm	270 nm
z	3.25 um	3.27 um	1.3 um
Asymmetry	0.881		
Theta	28.1°		

XY profile & fitting parameters :

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

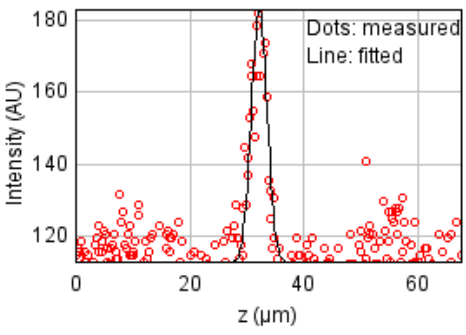




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.879

Parameters:
A = 215.973 (brightness)
B = 116.291 (background)
a = 0.306 px
b = 0.034 px
c = 0.352 px
xc = 6.938 px
yc = 9.294 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 17848.1600
Standard deviation: 7.62478
R^2: 0.74042
Parameters:
a = 112.82288
b = 183.02345
c = 32.25884
d = 1.38220

Bead 1837

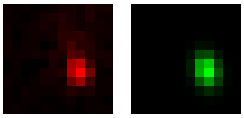
Date : Mon Oct 17 13:52:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

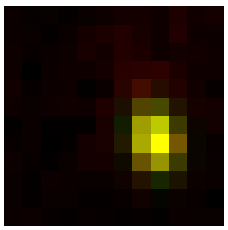
Coordinates : 133 um (x), -7.75 um (y), 31.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	437 nm	270 nm
max	599 nm	624 nm	270 nm
z	2.2 um	2.21 um	1.3 um
Asymmetry	0.701		
Theta	-77.4°		

XY profile & fitting parameters :

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

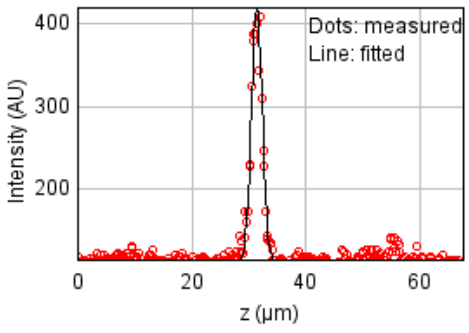




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.925

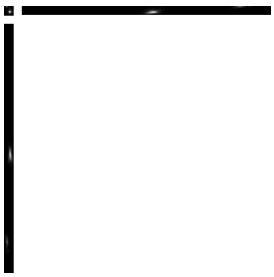
Parameters:
A = 292.656 (brightness)
B = 119.657 (background)
a = 0.742 px
b = -0.082 px
c = 0.393 px
xc = 7.749 px
yc = 6.743 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35418.5461
Standard deviation: 10.74104
R^2: 0.94947
Parameters:
a = 113.83407
b = 418.91348
c = 31.47599
d = 0.93300

Bead 1838



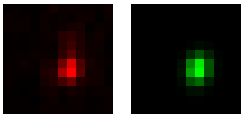
Date : Mon Oct 17 13:52:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

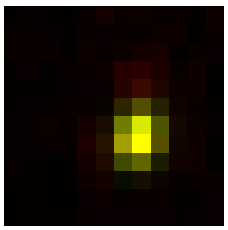
Coordinates : -108 um (x), -9.49 um (y), 35.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	524 nm	545 nm	270 nm
z	2.17 um	2.18 um	1.3 um
Asymmetry	0.765		
Theta	78.3°		

XY profile & fitting parameters :

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

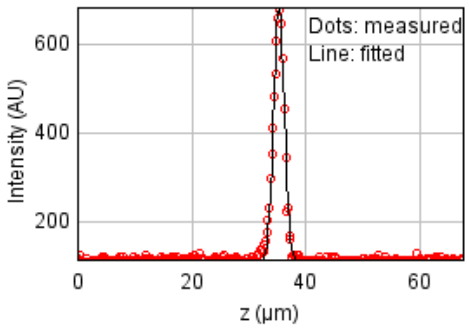




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 591.338 (brightness)
B = 123.393 (background)
a = 0.822 px
b = 0.069 px
c = 0.504 px
xc = 6.825 px
yc = 6.614 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37399.0692
Standard deviation: 11.03726
R^2: 0.98392
Parameters:
a = 113.73560
b = 682.92068
c = 35.36129
d = 0.92109

Bead 1839

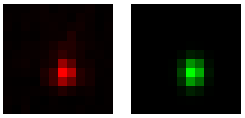
Date : Mon Oct 17 13:52:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

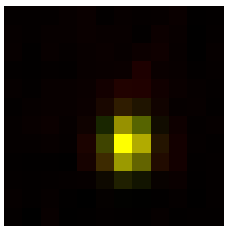
Coordinates : 19.4 um (x), -62.6 um (y), 35.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	501 nm	522 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.786		
Theta	87.4°		

XY profile & fitting parameters :

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

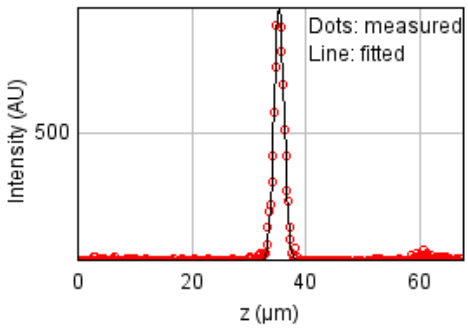




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 834.483 (brightness)
B = 125.685 (background)
a = 0.864 px
b = 0.015 px
c = 0.535 px
xc = 6.268 px
yc = 7.018 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32672.9225
Standard deviation: 10.31632
R^2: 0.99157
Parameters:
a = 115.19920
b = 876.27403
c = 35.37257
d = 0.86198

Bead 1840

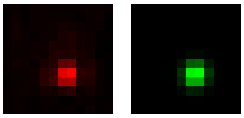
Date : Mon Oct 17 13:52:46 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

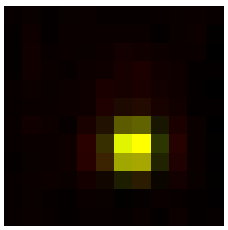
Coordinates : -27.4 um (x), -65.5 um (y), 35.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	445 nm	464 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.918		
Theta	80.1°		

XY profile & fitting parameters :

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

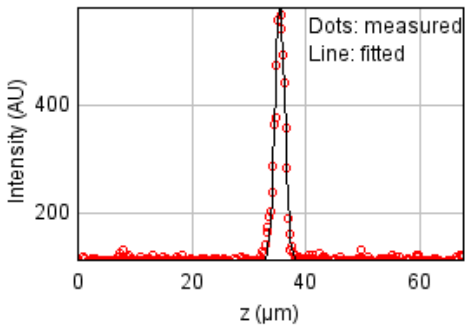




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 579.066 (brightness)
B = 123.569 (background)
a = 0.800 px
b = 0.021 px
c = 0.681 px
xc = 6.521 px
yc = 7.207 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23240.7011
Standard deviation: 8.70072
R^2: 0.98433
Parameters:
a = 113.64661
b = 583.80880
c = 35.51849
d = 0.85830

Bead 1841

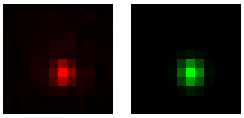
Date : Mon Oct 17 13:52:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

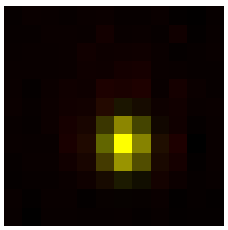
Coordinates : 36.1 um (x), -88.8 um (y), 35.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	429 nm	270 nm
max	474 nm	494 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.868		
Theta	-87.6°		

XY profile & fitting parameters :

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

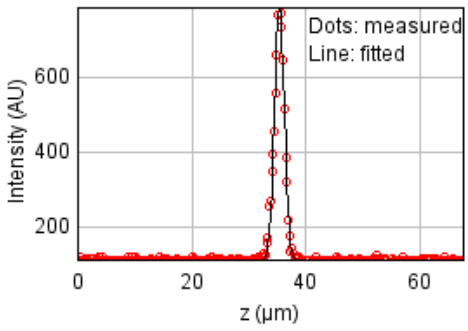




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 684.481 (brightness)
B = 126.447 (background)
a = 0.792 px
b = -0.008 px
c = 0.598 px
xc = 6.079 px
yc = 7.040 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29279.7570
Standard deviation: 9.76595
R^2: 0.99032
Parameters:
a = 113.45135
b = 787.57762
c = 35.44097
d = 0.85655

Bead 1842 (Rejected)

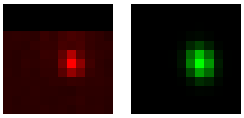
Date : Mon Oct 17 13:52:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

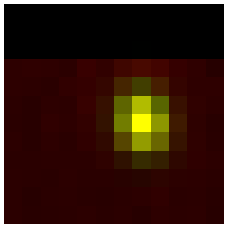
Coordinates : -82.3 um (x), 96.5 um (y), 35.4 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	461 nm	480 nm	270 nm
max	587 nm	611 nm	270 nm
z	1.94 um	1.94 um	1.3 um
Asymmetry	0.785		
Theta	-77.7°		

XY profile & fitting parameters :

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

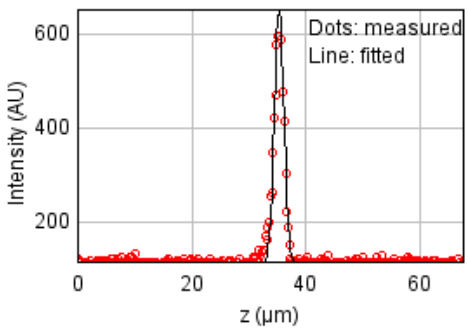




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.677

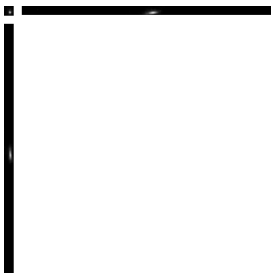
Parameters:
A = 529.134 (brightness)
B = 83.268 (background)
a = 0.622 px
b = -0.051 px
c = 0.401 px
xc = 7.070 px
yc = 5.891 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33714.5887
Standard deviation: 10.47948
R^2: 0.98201
Parameters:
a = 113.10351
b = 651.94141
c = 35.39071
d = 0.82209

Bead 1843



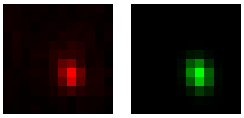
Date : Mon Oct 17 13:52:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

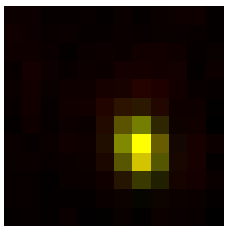
Coordinates : -37.2 um (x), 66.9 um (y), 35.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	543 nm	565 nm	270 nm
z	1.93 um	1.94 um	1.3 um
Asymmetry	0.734		
Theta	-74.8°		

XY profile & fitting parameters :

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

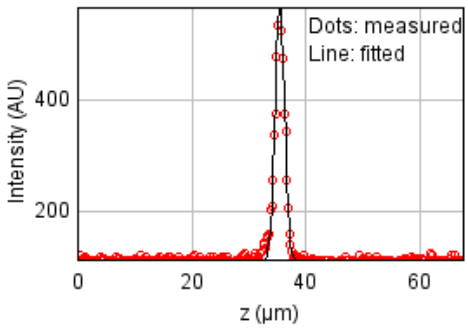




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 470.705 (brightness)
B = 122.603 (background)
a = 0.819 px
b = -0.099 px
c = 0.483 px
xc = 6.906 px
yc = 7.211 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17595.8151
Standard deviation: 7.57069
R^2: 0.98681
Parameters:
a = 113.16209
b = 569.85582
c = 35.51678
d = 0.81851

Bead 1844

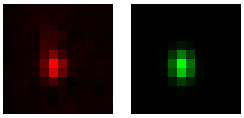
Date : Mon Oct 17 13:52:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

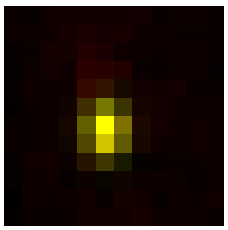
Coordinates : 107 um (x), 63.4 um (y), 25.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	517 nm	538 nm	270 nm
z	2.08 um	2.09 um	1.3 um
Asymmetry	0.747		
Theta	-87.8°		

XY profile & fitting parameters :

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

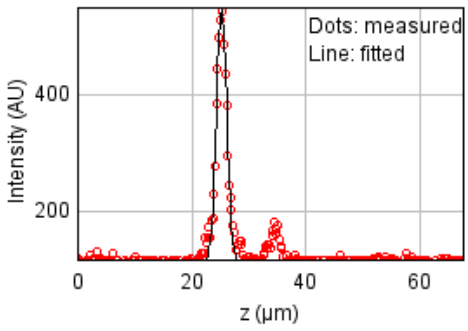




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

Parameters:
A = 468.787 (brightness)
B = 126.351 (background)
a = 0.902 px
b = -0.016 px
c = 0.504 px
xc = 5.051 px
yc = 6.246 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51672.9954
Standard deviation: 12.97366
R^2: 0.96091
Parameters:
a = 116.95834
b = 549.47274
c = 25.31656
d = 0.88370

Bead 1845

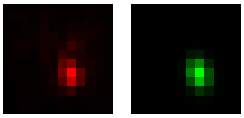
Date : Mon Oct 17 13:52:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

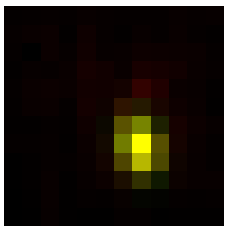
Coordinates : 1.74 um (x), 54.9 um (y), 35.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	369 nm	385 nm	270 nm
max	535 nm	557 nm	270 nm
z	2.01 um	2.01 um	1.3 um
Asymmetry	0.69		
Theta	-75.7°		

XY profile & fitting parameters :

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

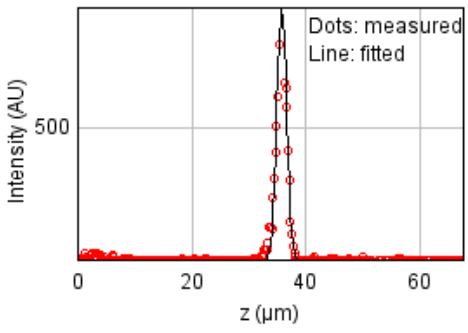




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 749.105 (brightness)
B = 129.052 (background)
a = 0.952 px
b = -0.123 px
c = 0.500 px
xc = 6.899 px
yc = 7.138 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66802.4172
Standard deviation: 14.75118
R^2: 0.98144
Parameters:
a = 116.03764
b = 850.04358
c = 35.84808
d = 0.85153

Bead 1846

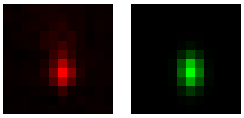
Date : Mon Oct 17 13:52:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

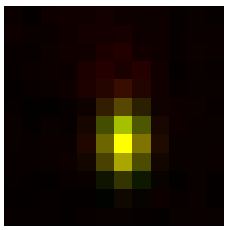
Coordinates : 130 um (x), 32.0 um (y), 35.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	414 nm	270 nm
max	612 nm	638 nm	270 nm
z	2.01 um	2.02 um	1.3 um
Asymmetry	0.649		
Theta	-89.3°		

XY profile & fitting parameters :

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

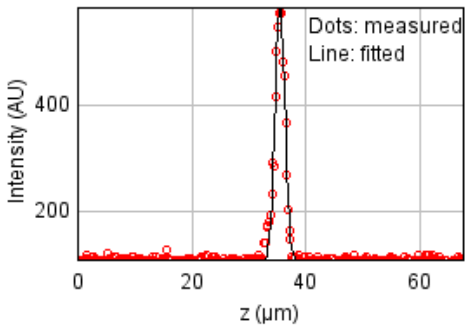




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.938

Parameters:
A = 447.312 (brightness)
B = 119.681 (background)
a = 0.850 px
b = -0.006 px
c = 0.358 px
xc = 6.037 px
yc = 6.894 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25459.5551
Standard deviation: 9.10660
R^2: 0.98286
Parameters:
a = 111.17222
b = 582.60934
c = 35.54021
d = 0.85339

Bead 1847

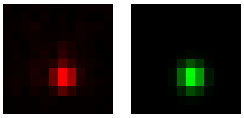
Date : Mon Oct 17 13:52:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

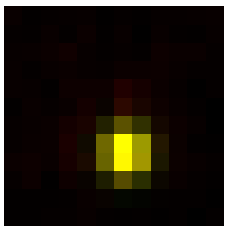
Coordinates : -78.3 um (x), 25.7 um (y), 35.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	436 nm	454 nm	270 nm
max	478 nm	498 nm	270 nm
z	2.07 um	2.08 um	1.3 um
Asymmetry	0.912		
Theta	-87.2°		

XY profile & fitting parameters :

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

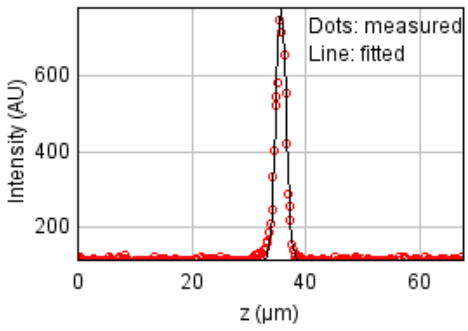




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 695.180 (brightness)
B = 126.068 (background)
a = 0.705 px
b = -0.006 px
c = 0.587 px
xc = 6.143 px
yc = 7.477 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 54074.0929
Standard deviation: 13.27167
R^2: 0.98240
Parameters:
a = 113.23759
b = 782.06605
c = 35.71068
d = 0.87787

Bead 1848

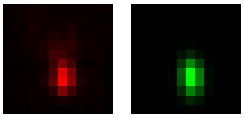
Date : Mon Oct 17 13:52:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

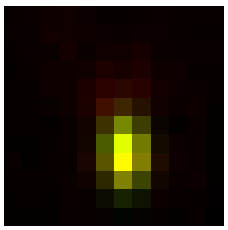
Coordinates : 160 um (x), 16.7 um (y), 35.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	643 nm	670 nm	270 nm
z	1.94 um	1.95 um	1.3 um
Asymmetry	0.602		
Theta	-87.4°		

XY profile & fitting parameters :

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

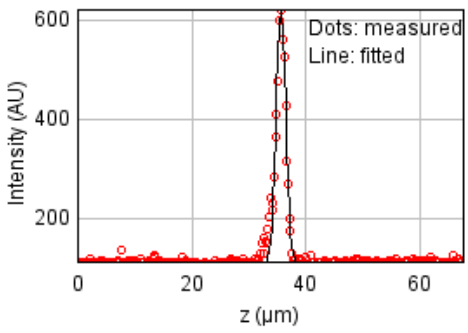




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.938

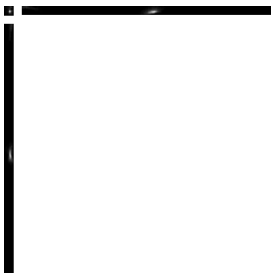
Parameters:
A = 641.115 (brightness)
B = 123.241 (background)
a = 0.895 px
b = -0.026 px
c = 0.326 px
xc = 6.099 px
yc = 7.485 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47580.5532
Standard deviation: 12.44932
R^2: 0.97202
Parameters:
a = 111.37319
b = 621.41408
c = 35.71244
d = 0.82427

Bead 1849



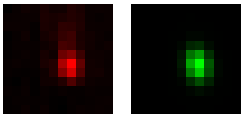
Date : Mon Oct 17 13:52:47 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

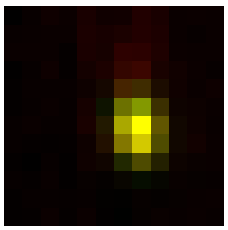
Coordinates : 163 um (x), -3.44 um (y), 35.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	438 nm	270 nm
max	606 nm	631 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.695		
Theta	-81.9°		

XY profile & fitting parameters :

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

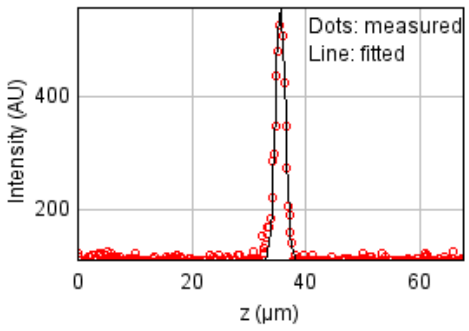




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.926

Parameters:
A = 460.565 (brightness)
B = 118.480 (background)
a = 0.750 px
b = -0.055 px
c = 0.374 px
xc = 6.789 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: 29148.2447
Standard deviation: 9.74399
R^2: 0.97831
Parameters:
a = 110.49299
b = 558.62920
c = 35.60833
d = 0.85041

Bead 1850 (Rejected)

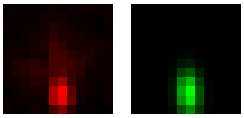
Date : Mon Oct 17 13:52:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

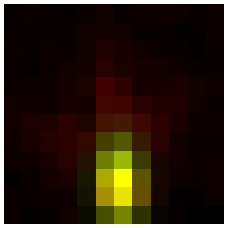
Coordinates : -7.53 um (x), -9.84 um (y), 30.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	790 nm	823 nm	270 nm
z	4.96 um	4.98 um	1.3 um
Asymmetry	0.53		
Theta	-87.5°		

XY profile & fitting parameters :

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

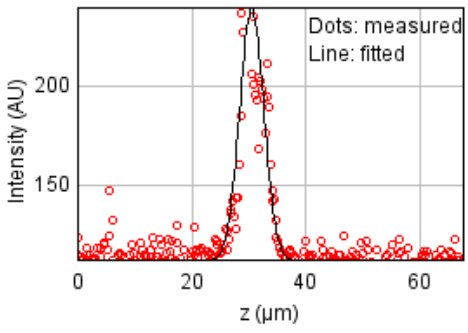




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.899

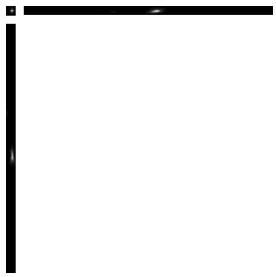
Parameters:
A = 472.627 (brightness)
B = 137.302 (background)
a = 0.765 px
b = -0.024 px
c = 0.216 px
xc = 5.784 px
yc = 9.221 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36018.3084
Standard deviation: 10.83160
R^2: 0.86842
Parameters:
a = 113.09303
b = 238.55459
c = 30.58097
d = 2.10660

Bead 1851 (Rejected)



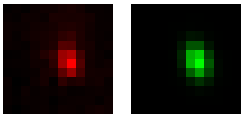
Date : Mon Oct 17 13:52:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

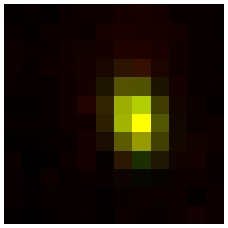
Coordinates : 51.2 um (x), -17.7 um (y), 35.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	633 nm	659 nm	270 nm
z	2.38 um	2.39 um	1.3 um
Asymmetry	0.679		
Theta	-76.5°		

XY profile & fitting parameters :

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

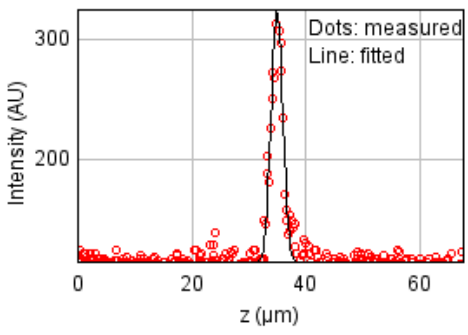




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 371.842 (brightness)
B = 122.422 (background)
a = 0.706 px
b = -0.089 px
c = 0.357 px
xc = 6.712 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: 22022.8922
Standard deviation: 8.46970
R^2: 0.94022
Parameters:
a = 113.66884
b = 325.56874
c = 35.00083
d = 1.01104

Bead 1852 (Rejected)

Date : Mon Oct 17 13:52:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -89.1 um (x), -28.7 um (y), 31.8 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

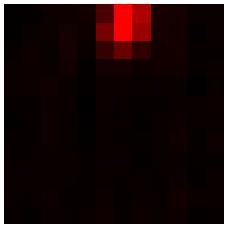
FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

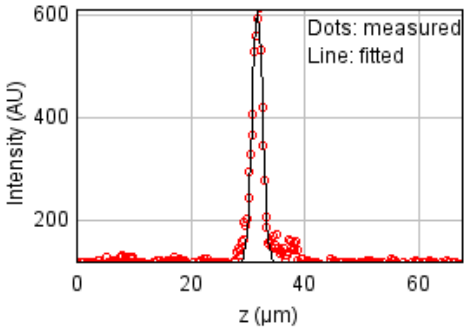
XY profile & fitting parameters :

(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: 64230.8884
Standard deviation: 14.46448
R^2: 0.96295
Parameters:
a = 117.37138
b = 611.60254
c = 31.75273
d = 0.88963

Bead 1853

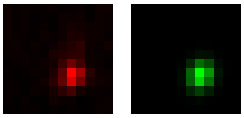
Date : Mon Oct 17 13:52:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

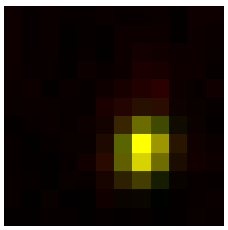
Coordinates : 42.3 um (x), -40.7 um (y), 35.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	440 nm	270 nm
max	517 nm	538 nm	270 nm
z	2.01 um	2.02 um	1.3 um
Asymmetry	0.818		
Theta	73.3°		

XY profile & fitting parameters :

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

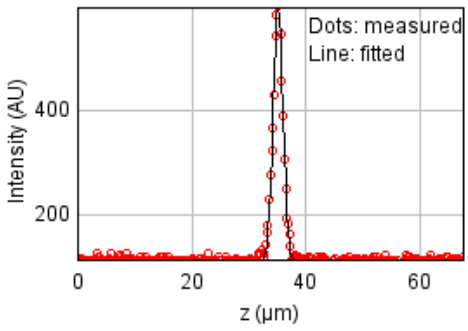




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 500.478 (brightness)
B = 121.813 (background)
a = 0.731 px
b = 0.068 px
c = 0.523 px
xc = 7.112 px
yc = 7.306 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16400.9858
Standard deviation: 7.30913
R^2: 0.98940
Parameters:
a = 113.28301
b = 595.78280
c = 35.19968
d = 0.85472

Bead 1854

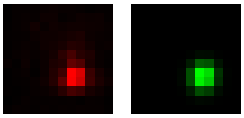
Date : Mon Oct 17 13:52:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

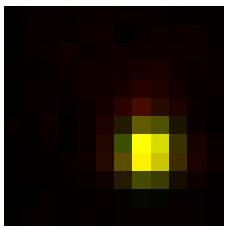
Coordinates : 57.1 um (x), -67.3 um (y), 35.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	447 nm	466 nm	270 nm
max	495 nm	515 nm	270 nm
z	1.94 um	1.95 um	1.3 um
Asymmetry	0.904		
Theta	79.2°		

XY profile & fitting parameters :

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

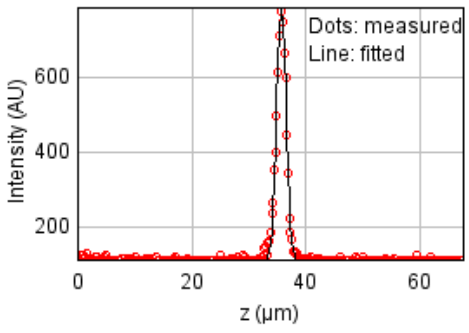




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

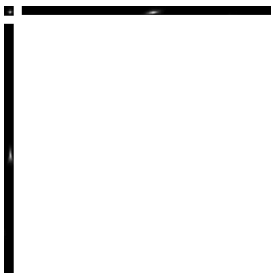
Parameters:
A = 795.134 (brightness)
B = 127.984 (background)
a = 0.667 px
b = 0.023 px
c = 0.552 px
xc = 7.373 px
yc = 7.431 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27560.0523
Standard deviation: 9.47482
R^2: 0.99050
Parameters:
a = 114.33842
b = 787.03457
c = 35.78071
d = 0.82376

Bead 1855



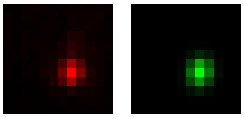
Date : Mon Oct 17 13:52:48 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

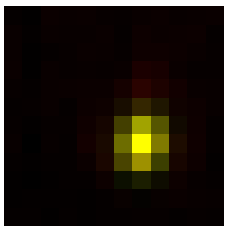
Coordinates : 44.4 um (x), -92.9 um (y), 35.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	519 nm	540 nm	270 nm
z	1.98 um	1.99 um	1.3 um
Asymmetry	0.787		
Theta	81.0°		

XY profile & fitting parameters :

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

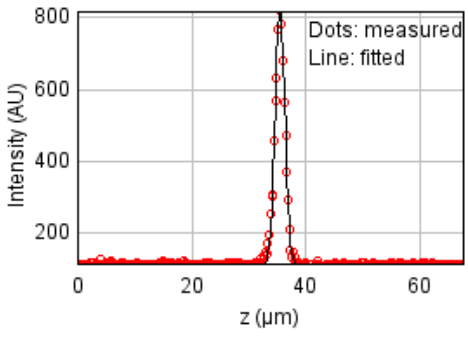




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 720.393 (brightness)
B = 123.751 (background)
a = 0.798 px
b = 0.047 px
c = 0.506 px
xc = 7.040 px
yc = 6.939 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22112.0156
Standard deviation: 8.48682
R^2: 0.99325
Parameters:
a = 112.55754
b = 820.92011
c = 35.54416
d = 0.84232

Bead 1856

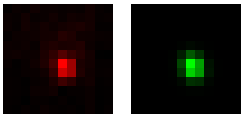
Date : Mon Oct 17 13:52:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

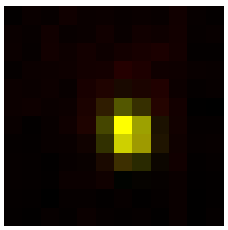
Coordinates : -79.4 um (x), 74.8 um (y), 35.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	468 nm	487 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.822		
Theta	-72.9°		

XY profile & fitting parameters :

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

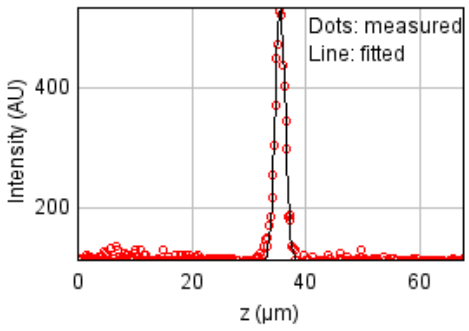




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

Parameters:
A = 510.164 (brightness)
B = 121.091 (background)
a = 0.883 px
b = -0.083 px
c = 0.639 px
xc = 6.271 px
yc = 6.375 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22481.1509
Standard deviation: 8.55737
R^2: 0.98099
Parameters:
a = 114.72084
b = 532.14432
c = 35.57315
d = 0.86585

Bead 1857

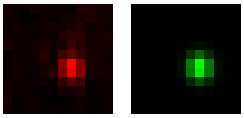
Date : Mon Oct 17 13:52:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

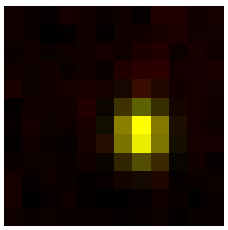
Coordinates : -162 um (x), 74.4 um (y), 34.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	510 nm	531 nm	270 nm
z	2.18 um	2.19 um	1.3 um
Asymmetry	0.85		
Theta	-86.2°		

XY profile & fitting parameters :

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

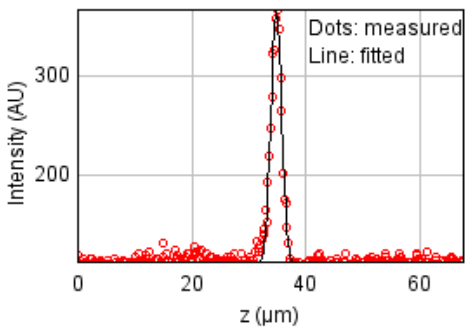




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.945

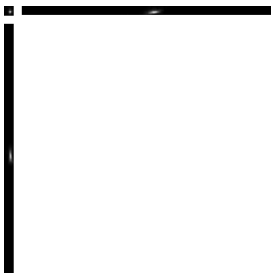
Parameters:
A = 288.044 (brightness)
B = 116.686 (background)
a = 0.713 px
b = -0.013 px
c = 0.517 px
xc = 6.993 px
yc = 6.431 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 13958.6467
Standard deviation: 6.74299
R^2: 0.97071
Parameters:
a = 112.04693
b = 367.30126
c = 34.89062
d = 0.92616

Bead 1858



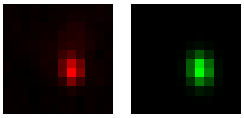
Date : Mon Oct 17 13:52:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

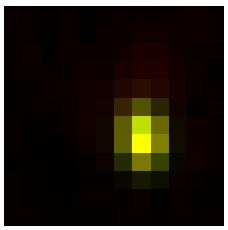
Coordinates : -30.1 um (x), 56.9 um (y), 35.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	557 nm	580 nm	270 nm
z	2.08 um	2.09 um	1.3 um
Asymmetry	0.719		
Theta	-84.5°		

XY profile & fitting parameters :

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

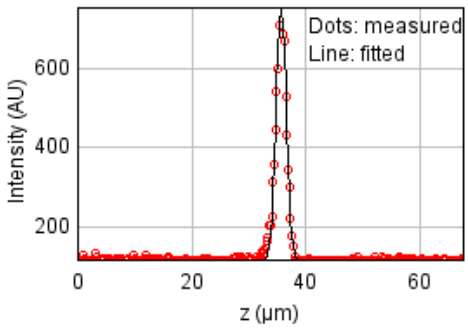




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

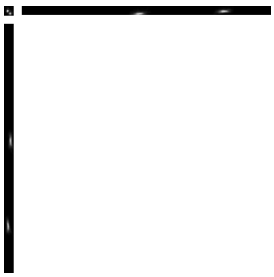
Parameters:
A = 662.209 (brightness)
B = 123.959 (background)
a = 0.833 px
b = -0.038 px
c = 0.436 px
xc = 7.069 px
yc = 6.651 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27200.3544
Standard deviation: 9.41278
R^2: 0.99038
Parameters:
a = 114.37964
b = 756.32981
c = 35.74140
d = 0.88390

Bead 1859 (Rejected)



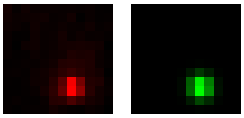
Date : Mon Oct 17 13:52:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

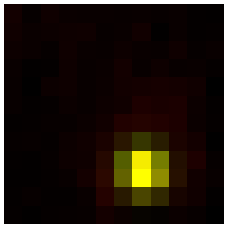
Coordinates : -77.0 um (x), 22.2 um (y), 32.1 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	441 nm	460 nm	270 nm
z	3.68 um	3.69 um	1.3 um
Asymmetry	0.938		
Theta	-78.6°		

XY profile & fitting parameters :

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

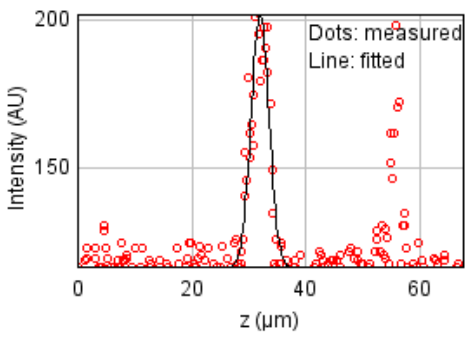




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

Parameters:
A = 591.860 (brightness)
B = 126.859 (background)
a = 0.779 px
b = -0.018 px
c = 0.692 px
xc = 7.105 px
yc = 8.561 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 55432.7754
Standard deviation: 13.43737
R^2: 0.60456
Parameters:
a = 116.47710
b = 202.11557
c = 32.05414
d = 1.56194

Bead 1860

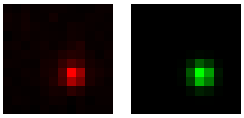
Date : Mon Oct 17 13:52:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

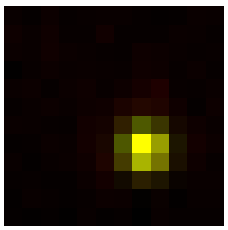
Coordinates : -62.2 um (x), 11.5 um (y), 36.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	438 nm	456 nm	270 nm
z	1.9 um	1.91 um	1.3 um
Asymmetry	0.945		
Theta	-76.7°		

XY profile & fitting parameters :

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

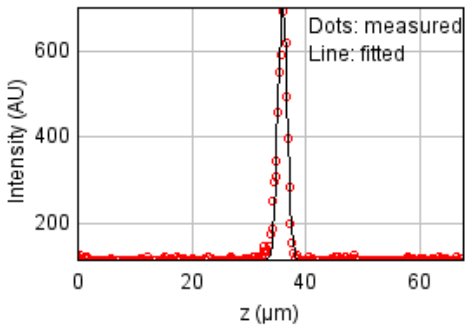




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

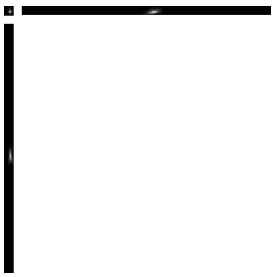
Parameters:
A = 589.996 (brightness)
B = 122.898 (background)
a = 0.780 px
b = -0.019 px
c = 0.705 px
xc = 7.198 px
yc = 7.256 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41928.2453
Standard deviation: 11.68649
R^2: 0.98127
Parameters:
a = 112.84644
b = 706.49843
c = 35.99012
d = 0.80801

Bead 1861



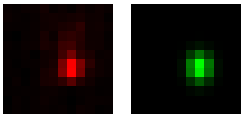
Date : Mon Oct 17 13:52:49 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

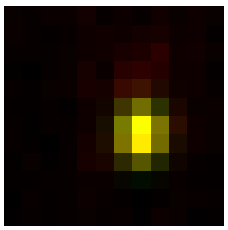
Coordinates : 126 um (x), -15.4 um (y), 35.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	439 nm	270 nm
max	535 nm	558 nm	270 nm
z	1.95 um	1.96 um	1.3 um
Asymmetry	0.786		
Theta	89.4°		

XY profile & fitting parameters :

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

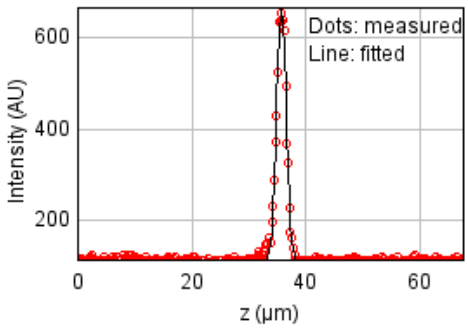




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.934

Parameters:
A = 573.968 (brightness)
B = 123.984 (background)
a = 0.757 px
b = 0.003 px
c = 0.468 px
xc = 6.978 px
yc = 6.412 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21737.7142
Standard deviation: 8.41468
R^2: 0.98918
Parameters:
a = 110.81928
b = 668.92277
c = 35.79066
d = 0.82776

Bead 1862

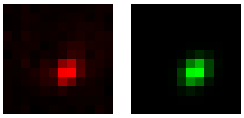
Date : Mon Oct 17 13:52:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

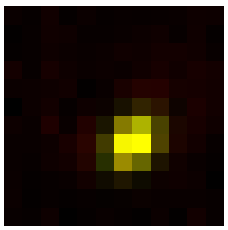
Coordinates : -137 um (x), -19.0 um (y), 35.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	416 nm	270 nm
max	524 nm	545 nm	270 nm
z	1.79 um	1.8 um	1.3 um
Asymmetry	0.764		
Theta	49.5°		

XY profile & fitting parameters :

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

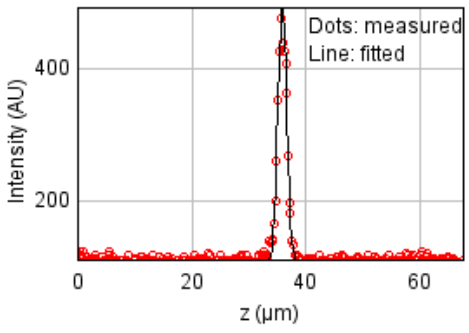




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

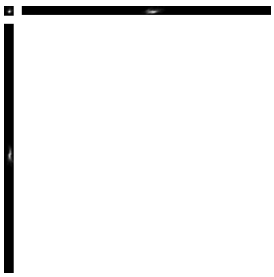
Parameters:
A = 419.109 (brightness)
B = 118.209 (background)
a = 0.692 px
b = 0.173 px
c = 0.637 px
xc = 6.553 px
yc = 6.900 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21076.3960
Standard deviation: 8.28570
R^2: 0.97614
Parameters:
a = 111.71101
b = 494.39871
c = 35.94083
d = 0.76097

Bead 1863



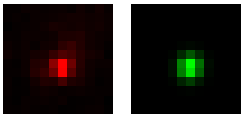
Date : Mon Oct 17 13:52:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

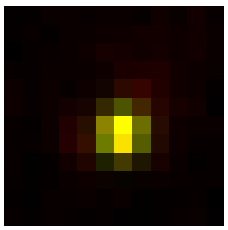
Coordinates : -67.8 um (x), -72.6 um (y), 35.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	439 nm	270 nm
max	468 nm	488 nm	270 nm
z	1.82 um	1.83 um	1.3 um
Asymmetry	0.9		
Theta	77.7°		

XY profile & fitting parameters :

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

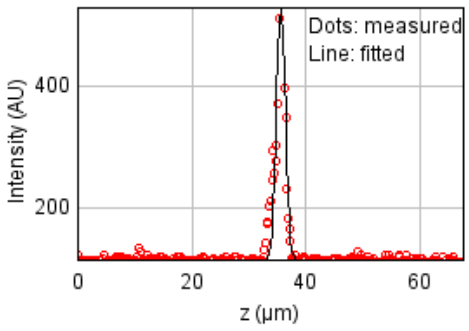




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.931

Parameters:
A = 479.379 (brightness)
B = 124.645 (background)
a = 0.749 px
b = 0.030 px
c = 0.618 px
xc = 5.931 px
yc = 6.404 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 72001.4801
Standard deviation: 15.31445
R^2: 0.93493
Parameters:
a = 113.59210
b = 529.78001
c = 35.69666
d = 0.77260

Bead 1864 (Rejected)

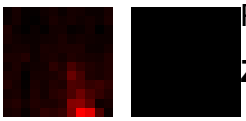
Date : Mon Oct 17 13:52:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -93.1 um (x), 73.1 um (y), 33.9 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	1.04 um	1.05 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

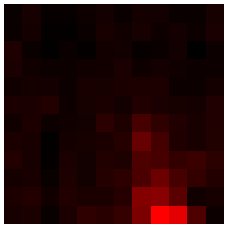
XY profile & fitting parameters :

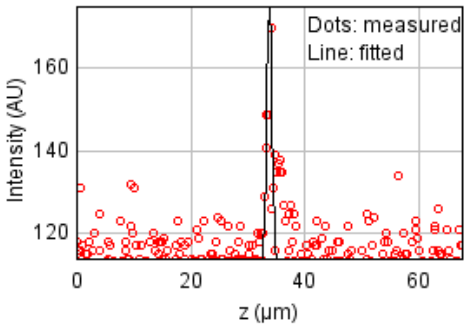
(red : the orignal data, green : the fit, yellow : the two merged)



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: 15471.4599
Standard deviation: 7.09899
R^2: 0.45947
Parameters:
a = 113.57840
b = 175.02569
c = 33.85415
d = 0.44257

Bead 1865 (Rejected)

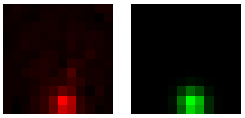
Date : Mon Oct 17 13:52:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

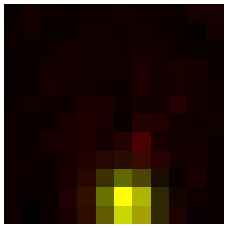
Coordinates : -105 um (x), 69.6 um (y), 33.8 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	476 nm	496 nm	270 nm
max	508 nm	529 nm	270 nm
z	1.17 um	1.17 um	1.3 um
Asymmetry	0.938		
Theta	-61.7°		

XY profile & fitting parameters :

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

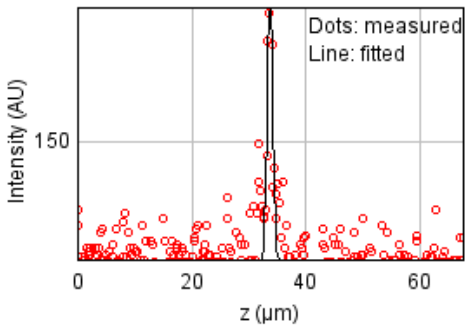




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.931

Parameters:
A = 353.264 (brightness)
B = 122.923 (background)
a = 0.576 px
b = -0.030 px
c = 0.537 px
xc = 6.220 px
yc = 10.350 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17826.2418
Standard deviation: 7.62010
R^2: 0.58826
Parameters:
a = 112.86955
b = 193.75064
c = 33.78149
d = 0.49610

Bead 1866 (Rejected)

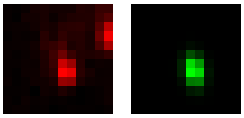
Date : Mon Oct 17 13:52:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

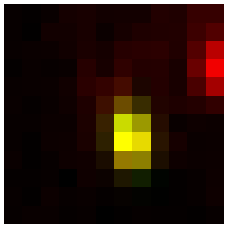
Coordinates : 125 um (x), 59.6 um (y), 35.6 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	344 nm	359 nm	270 nm
max	555 nm	578 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.621		
Theta	-81.6°		

XY profile & fitting parameters :

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

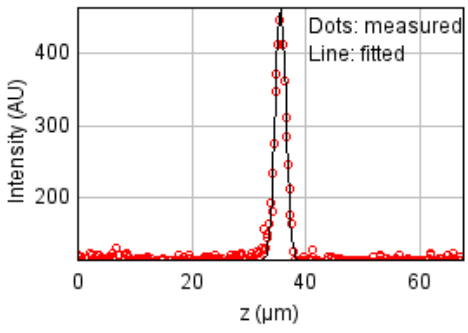




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.550

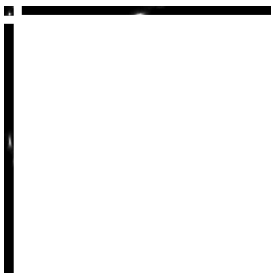
Parameters:
A = 442.675 (brightness)
B = 138.012 (background)
a = 1.116 px
b = -0.101 px
c = 0.451 px
xc = 6.408 px
yc = 6.761 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18909.5127
Standard deviation: 7.84822
R^2: 0.97894
Parameters:
a = 112.37621
b = 463.43664
c = 35.63574
d = 0.93055

Bead 1867 (Rejected)



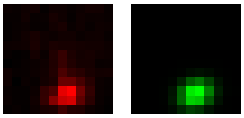
Date : Mon Oct 17 13:52:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

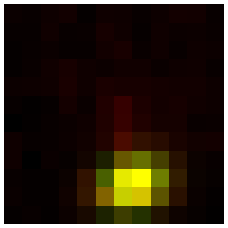
Coordinates : 89.4 um (x), -13.4 um (y), 32.5 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	479 nm	499 nm	270 nm
max	603 nm	628 nm	270 nm
z	3.7 um	3.71 um	1.3 um
Asymmetry	0.795		
Theta	22.0°		

XY profile & fitting parameters :

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

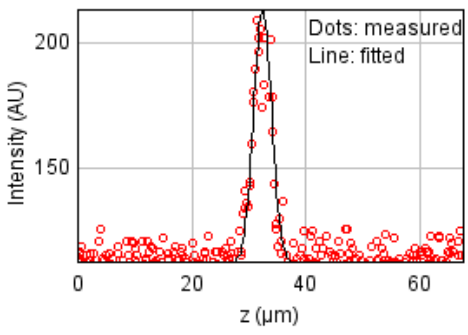




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.932

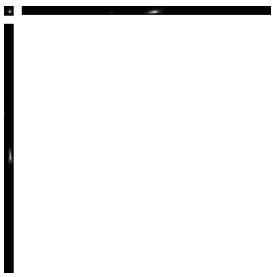
Parameters:
A = 436.106 (brightness)
B = 126.333 (background)
a = 0.399 px
b = 0.075 px
c = 0.554 px
xc = 6.551 px
yc = 9.316 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18100.4098
Standard deviation: 7.67848
R^2: 0.86857
Parameters:
a = 112.18081
b = 213.66025
c = 32.49592
d = 1.57089

Bead 1868 (Rejected)



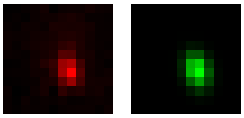
Date : Mon Oct 17 13:52:50 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

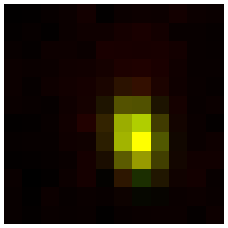
Coordinates : 51.2 um (x), -17.7 um (y), 35.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	632 nm	659 nm	270 nm
z	2.38 um	2.39 um	1.3 um
Asymmetry	0.679		
Theta	-76.5°		

XY profile & fitting parameters :

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

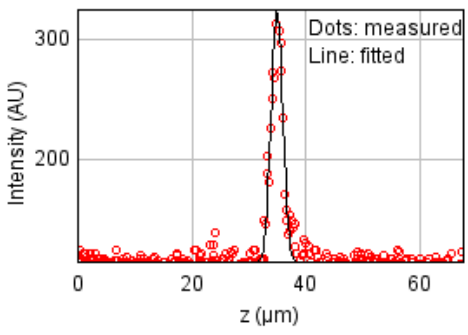




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 371.884 (brightness)
B = 122.526 (background)
a = 0.707 px
b = -0.090 px
c = 0.357 px
xc = 6.712 px
yc = 6.730 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22022.8922
Standard deviation: 8.46970
R^2: 0.94022
Parameters:
a = 113.66884
b = 325.56874
c = 35.00083
d = 1.01104

Bead 1869

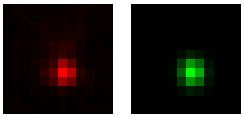
Date : Mon Oct 17 13:52:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

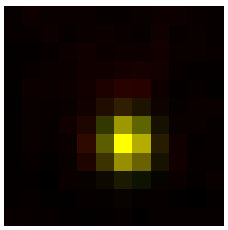
Coordinates : -16.2 um (x), -21.9 um (y), 35.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	436 nm	454 nm	270 nm
max	493 nm	514 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.884		
Theta	-84.7°		

XY profile & fitting parameters :

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

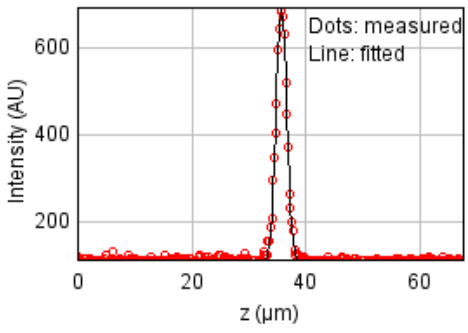




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 589.163 (brightness)
B = 123.314 (background)
a = 0.705 px
b = -0.014 px
c = 0.553 px
xc = 6.220 px
yc = 6.977 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17187.6490
Standard deviation: 7.48237
R^2: 0.99282
Parameters:
a = 114.08602
b = 695.22567
c = 35.78912
d = 0.91801

Bead 1870

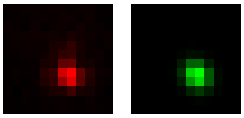
Date : Mon Oct 17 13:52:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

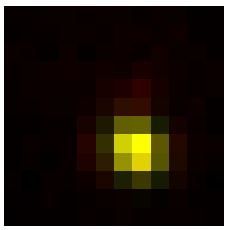
Coordinates : -55.3 um (x), -53.6 um (y), 36.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	510 nm	531 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.861		
Theta	-55.5°		

XY profile & fitting parameters :

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

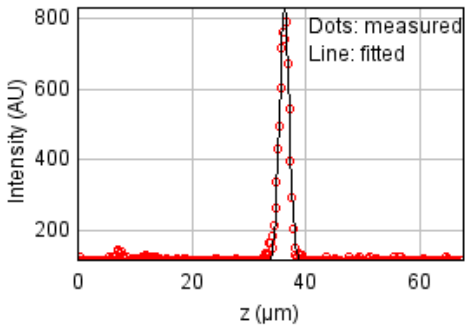




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 702.401 (brightness)
B = 125.086 (background)
a = 0.640 px
b = -0.084 px
c = 0.575 px
xc = 6.697 px
yc = 7.291 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 54844.0631
Standard deviation: 13.36582
R^2: 0.98367
Parameters:
a = 114.83889
b = 831.82245
c = 36.31728
d = 0.83407

Bead 1871

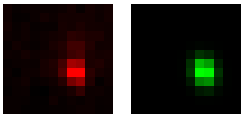
Date : Mon Oct 17 13:52:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

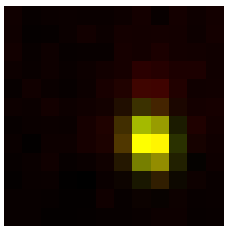
Coordinates : -157 um (x), 87.9 um (y), 35.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	524 nm	546 nm	270 nm
z	2.29 um	2.3 um	1.3 um
Asymmetry	0.779		
Theta	-76.9°		

XY profile & fitting parameters :

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

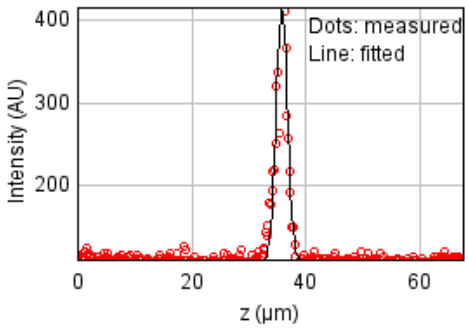




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.932

Parameters:
A = 379.153 (brightness)
B = 119.232 (background)
a = 0.789 px
b = -0.070 px
c = 0.505 px
xc = 7.466 px
yc = 6.877 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38137.9814
Standard deviation: 11.14576
R^2: 0.94712
Parameters:
a = 111.12943
b = 414.11429
c = 35.86336
d = 0.97306

Bead 1872

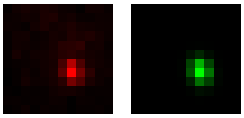
Date : Mon Oct 17 13:52:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

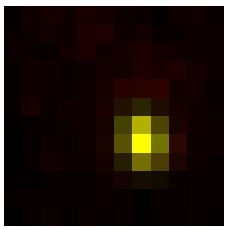
Coordinates : -146 um (x), 87.3 um (y), 36.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	369 nm	384 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.767		
Theta	-77.5°		

XY profile & fitting parameters :

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

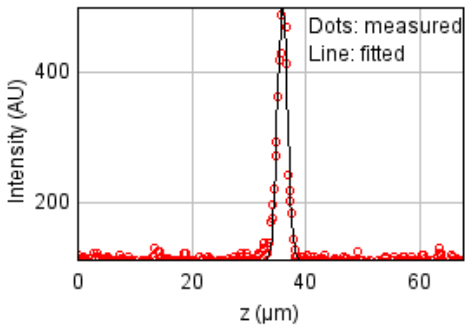




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.935

Parameters:
A = 391.647 (brightness)
B = 120.833 (background)
a = 0.969 px
b = -0.086 px
c = 0.600 px
xc = 7.078 px
yc = 6.817 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30160.2399
Standard deviation: 9.91170
R^2: 0.97072
Parameters:
a = 112.40103
b = 500.50285
c = 35.97358
d = 0.86308

Bead 1873 (Rejected)

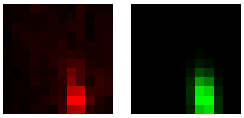
Date : Mon Oct 17 13:52:51 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

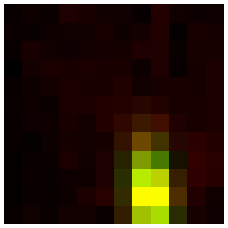
Coordinates : 139 um (x), 62.2 um (y), 33.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	900 nm	937 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.435		
Theta	-84.8°		

XY profile & fitting parameters :

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

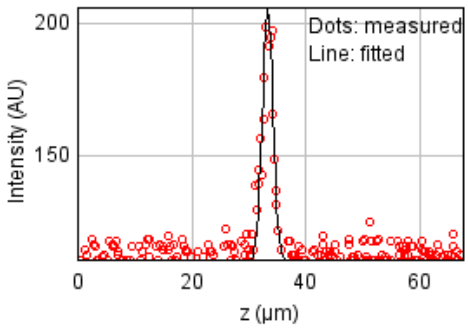




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.908

Parameters:
A = 262.171 (brightness)
B = 120.586 (background)
a = 0.871 px
b = -0.064 px
c = 0.172 px
xc = 7.497 px
yc = 9.894 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 10478.5627
Standard deviation: 5.84227
R^2: 0.86198
Parameters:
a = 110.48410
b = 206.33531
c = 33.37883
d = 0.92930

Bead 1874

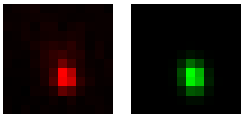
Date : Mon Oct 17 13:52:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

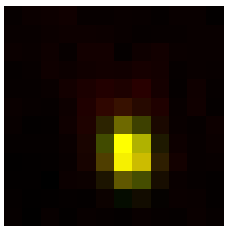
Coordinates : 33.7 um (x), 31.5 um (y), 36.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	538 nm	560 nm	270 nm
z	1.97 um	1.98 um	1.3 um
Asymmetry	0.757		
Theta	-79.6°		

XY profile & fitting parameters :

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

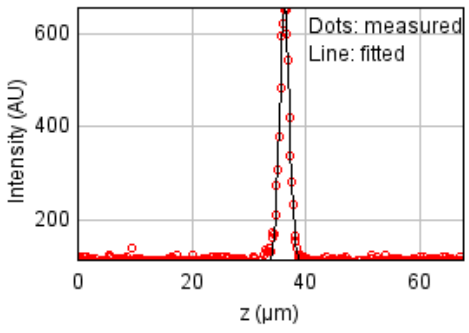




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 626.014 (brightness)
B = 125.706 (background)
a = 0.799 px
b = -0.061 px
c = 0.475 px
xc = 6.308 px
yc = 7.472 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19939.8885
Standard deviation: 8.05920
R^2: 0.98962
Parameters:
a = 113.20936
b = 655.96730
c = 36.34085
d = 0.83740

Bead 1875

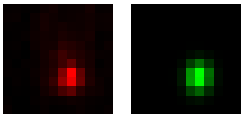
Date : Mon Oct 17 13:52:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

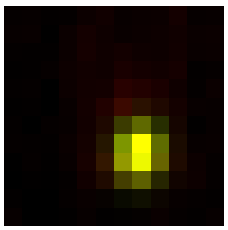
Coordinates : 90.8 um (x), -11.4 um (y), 36.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	541 nm	564 nm	270 nm
z	1.92 um	1.93 um	1.3 um
Asymmetry	0.807		
Theta	84.4°		

XY profile & fitting parameters :

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

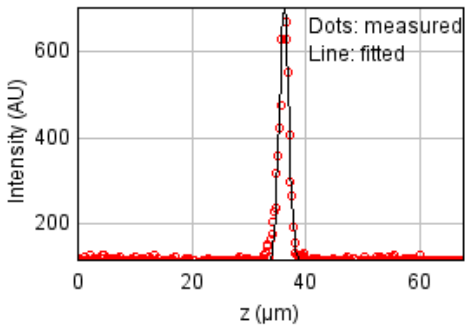




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.939

Parameters:
A = 625.241 (brightness)
B = 126.270 (background)
a = 0.700 px
b = 0.024 px
c = 0.460 px
xc = 6.865 px
yc = 7.476 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37515.5125
Standard deviation: 11.05443
R^2: 0.98320
Parameters:
a = 113.31835
b = 704.06150
c = 36.26845
d = 0.81580

Bead 1876 (Rejected)

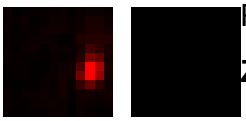
Date : Mon Oct 17 13:52:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -89.1 um (x), -28.7 um (y), 31.8 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

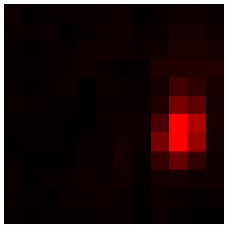
XY profile & fitting parameters :

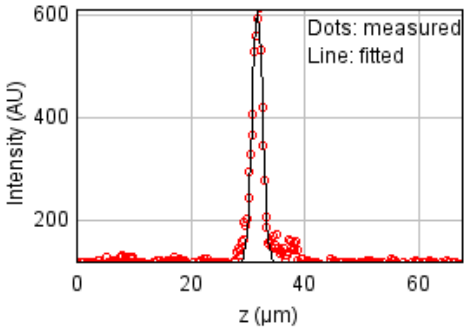
(red : the orignal data, green : the fit, yellow : the two merged)



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: 64230.8884
Standard deviation: 14.46448
R^2: 0.96295
Parameters:
a = 117.37138
b = 611.60254
c = 31.75273
d = 0.88963

Bead 1877

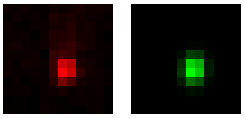
Date : Mon Oct 17 13:52:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

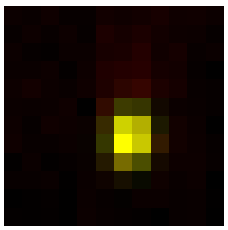
Coordinates : -159 um (x), -53.5 um (y), 35.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	503 nm	524 nm	270 nm
z	2.49 um	2.5 um	1.3 um
Asymmetry	0.771		
Theta	84.6°		

XY profile & fitting parameters :

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

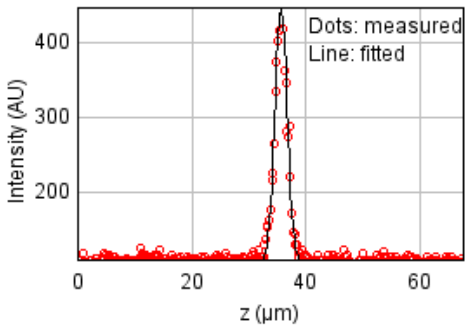




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 453.774 (brightness)
B = 120.673 (background)
a = 0.887 px
b = 0.034 px
c = 0.533 px
xc = 6.374 px
yc = 6.658 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23762.6945
Standard deviation: 8.79789
R^2: 0.97442
Parameters:
a = 111.12473
b = 446.52068
c = 35.72004
d = 1.05709

Bead 1878

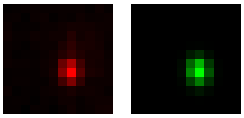
Date : Mon Oct 17 13:52:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

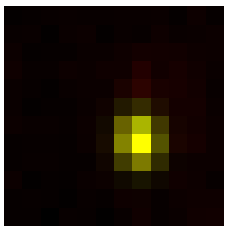
Coordinates : -95.5 um (x), 60.7 um (y), 36.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	498 nm	519 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.777		
Theta	-86.0°		

XY profile & fitting parameters :

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

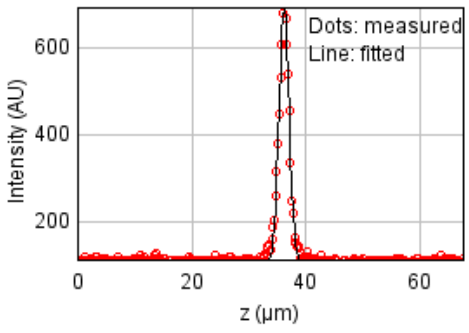




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 614.286 (brightness)
B = 123.928 (background)
a = 0.895 px
b = -0.025 px
c = 0.543 px
xc = 6.866 px
yc = 6.814 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23304.1591
Standard deviation: 8.71260
R^2: 0.98963
Parameters:
a = 114.16507
b = 691.86537
c = 36.26324
d = 0.86661

Bead 1879 (Rejected)

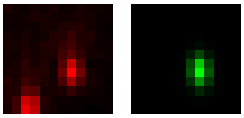
Date : Mon Oct 17 13:52:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

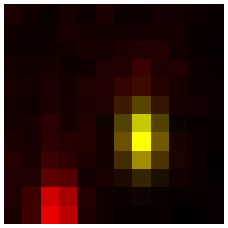
Coordinates : 126 um (x), 60.4 um (y), 35.9 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	348 nm	362 nm	270 nm
max	570 nm	594 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.61		
Theta	-87.7°		

XY profile & fitting parameters :

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

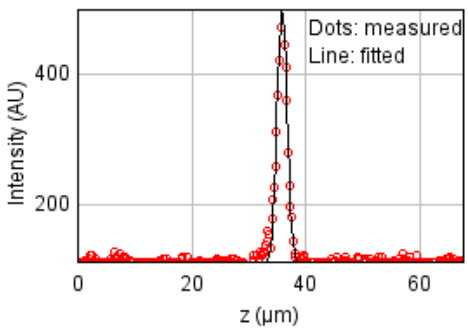




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.439

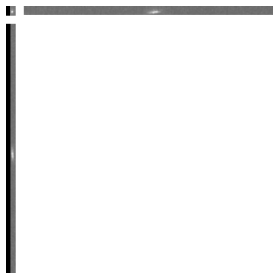
Parameters:
A = 384.110 (brightness)
B = 147.119 (background)
a = 1.109 px
b = -0.028 px
c = 0.414 px
xc = 7.012 px
yc = 6.791 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20572.2543
Standard deviation: 8.18600
R^2: 0.97981
Parameters:
a = 111.57708
b = 499.14421
c = 35.91193
d = 0.86399

Bead 1880 (Rejected)



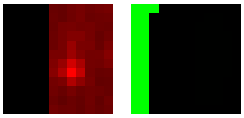
Date : Mon Oct 17 13:52:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

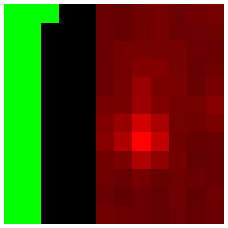
Coordinates : -164 um (x), 43.5 um (y), 35.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	1.53 um	1.59 um	270 nm
max	3.94 um	4.11 um	270 nm
z	2.44 um	2.45 um	1.3 um
Asymmetry	0.387		
Theta	88.1°		

XY profile & fitting parameters :

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

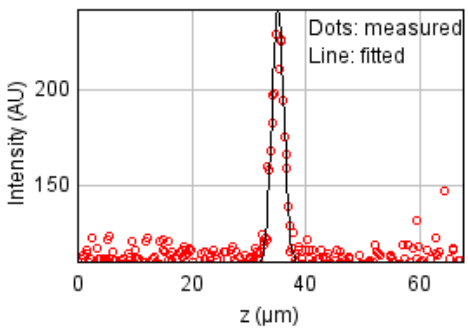




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.817

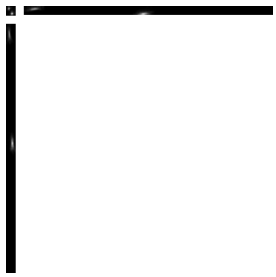
Parameters:
A = 183.138 (brightness)
B = -15.406 (background)
a = 0.057 px
b = 0.002 px
c = 0.009 px
xc = 8.146 px
yc = 5.548 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 15048.2322
Standard deviation: 7.00122
R^2: 0.90188
Parameters:
a = 109.96602
b = 242.32984
c = 35.17680
d = 1.03603

Bead 1881 (Rejected)



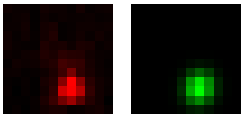
Date : Mon Oct 17 13:52:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

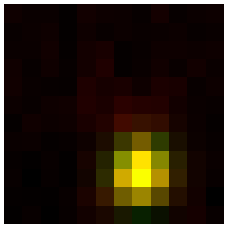
Coordinates : -24.7 um (x), 32.7 um (y), 32.8 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	523 nm	544 nm	270 nm
max	594 nm	618 nm	270 nm
z	3.01 um	3.03 um	1.3 um
Asymmetry	0.88		
Theta	75.4°		

XY profile & fitting parameters :

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

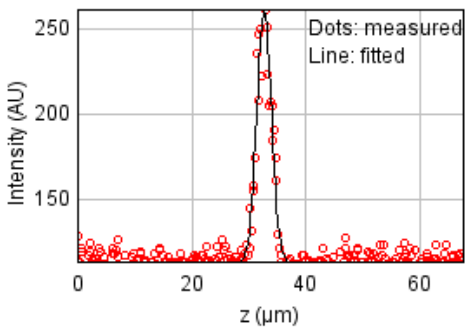




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.940

Parameters:
A = 393.625 (brightness)
B = 123.913 (background)
a = 0.484 px
b = 0.027 px
c = 0.388 px
xc = 6.936 px
yc = 8.661 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 17133.2007
Standard deviation: 7.47051
R^2: 0.92446
Parameters:
a = 113.15252
b = 260.76704
c = 32.76024
d = 1.28012

Bead 1882

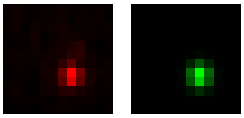
Date : Mon Oct 17 13:52:52 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

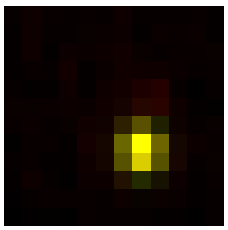
Coordinates : -70.0 um (x), 28.6 um (y), 36.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	444 nm	463 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.86		
Theta	-89.7°		

XY profile & fitting parameters :

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

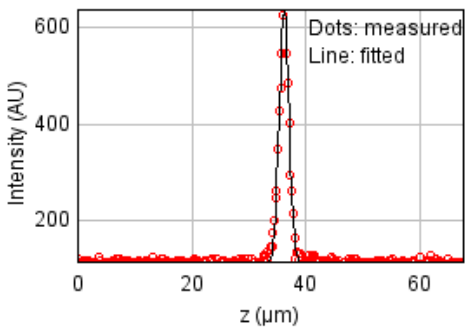




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 605.919 (brightness)
B = 120.792 (background)
a = 0.920 px
b = -0.001 px
c = 0.680 px
xc = 6.998 px
yc = 7.340 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24984.1761
Standard deviation: 9.02118
R^2: 0.98614
Parameters:
a = 114.34537
b = 637.14426
c = 36.27065
d = 0.84437

Bead 1883

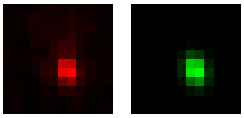
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

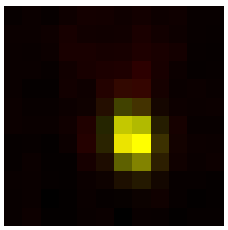
Coordinates : 103 um (x), 12.9 um (y), 36.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	534 nm	557 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.721		
Theta	-77.2°		

XY profile & fitting parameters :

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

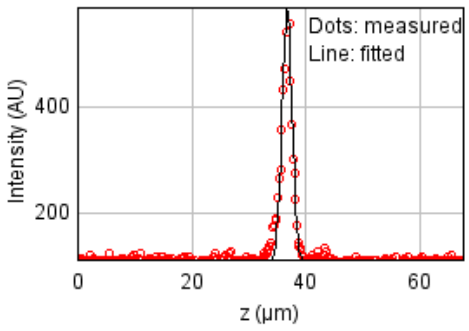




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

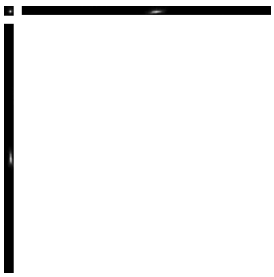
Parameters:
A = 594.393 (brightness)
B = 123.643 (background)
a = 0.883 px
b = -0.094 px
c = 0.491 px
xc = 6.537 px
yc = 6.735 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 39949.4785
Standard deviation: 11.40739
R^2: 0.97352
Parameters:
a = 113.86221
b = 584.59399
c = 36.78094
d = 0.86166

Bead 1884



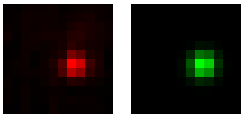
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

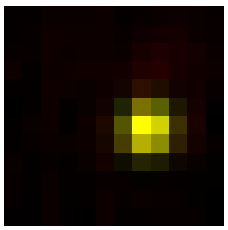
Coordinates : -69.2 um (x), 7.77 um (y), 36.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	455 nm	473 nm	270 nm
max	475 nm	495 nm	270 nm
z	2.1 um	2.11 um	1.3 um
Asymmetry	0.957		
Theta	71.2°		

XY profile & fitting parameters :

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

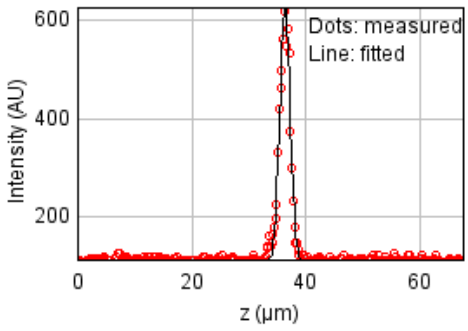




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 586.658 (brightness)
B = 121.654 (background)
a = 0.644 px
b = 0.017 px
c = 0.600 px
xc = 7.346 px
yc = 6.175 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32306.7044
Standard deviation: 10.25834
R^2: 0.98252
Parameters:
a = 113.44121
b = 628.34789
c = 36.42058
d = 0.89166

Bead 1885

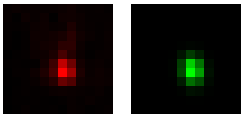
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

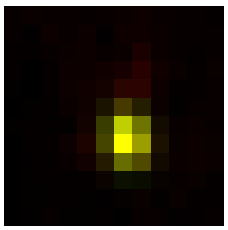
Coordinates : 43.2 um (x), 392 nm (y), 36.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	505 nm	526 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.762		
Theta	-82.2°		

XY profile & fitting parameters :

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

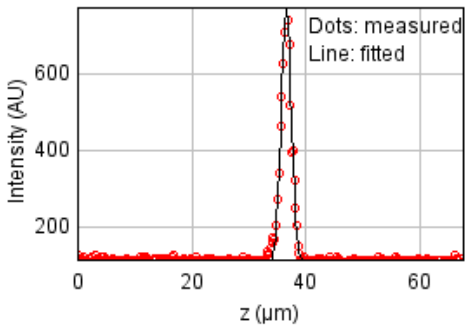




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 721.042 (brightness)
B = 124.016 (background)
a = 0.897 px
b = -0.051 px
c = 0.532 px
xc = 6.217 px
yc = 6.719 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31785.2475
Standard deviation: 10.17522
R^2: 0.98925
Parameters:
a = 113.71423
b = 773.67356
c = 36.64632
d = 0.87361

Bead 1886

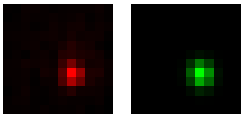
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

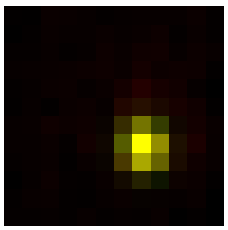
Coordinates : -101 um (x), -13.8 um (y), 36.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	423 nm	270 nm
max	472 nm	491 nm	270 nm
z	1.88 um	1.88 um	1.3 um
Asymmetry	0.86		
Theta	-82.0°		

XY profile & fitting parameters :

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

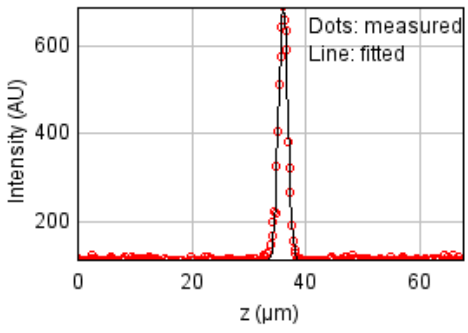




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 578.422 (brightness)
B = 121.882 (background)
a = 0.811 px
b = -0.029 px
c = 0.607 px
xc = 7.138 px
yc = 7.160 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23563.3858
Standard deviation: 8.76092
R^2: 0.98846
Parameters:
a = 113.17661
b = 686.00036
c = 36.10568
d = 0.79668

Bead 1887

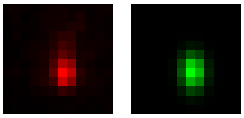
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

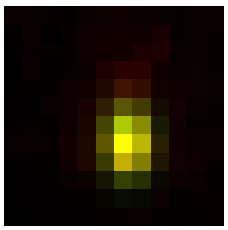
Coordinates : 117 um (x), -14.8 um (y), 36.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	658 nm	685 nm	270 nm
z	2.17 um	2.18 um	1.3 um
Asymmetry	0.665		
Theta	-88.9°		

XY profile & fitting parameters :

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

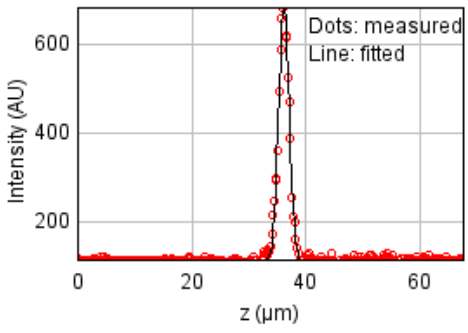




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 580.131 (brightness)
B = 121.723 (background)
a = 0.702 px
b = -0.007 px
c = 0.310 px
xc = 6.260 px
yc = 6.892 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23990.0453
Standard deviation: 8.83988
R^2: 0.98974
Parameters:
a = 112.11781
b = 684.55550
c = 36.23298
d = 0.92081

Bead 1888

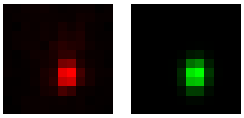
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

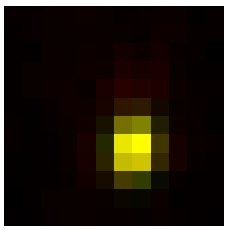
Coordinates : 51.4 um (x), -20.6 um (y), 36.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	537 nm	559 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.747		
Theta	85.5°		

XY profile & fitting parameters :

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

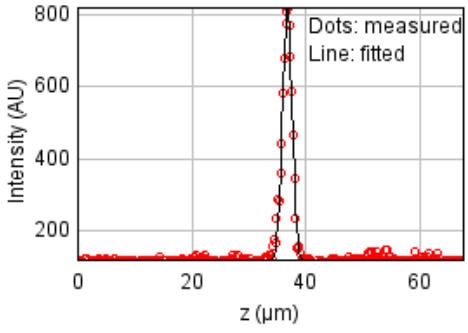




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 834.373 (brightness)
B = 128.210 (background)
a = 0.831 px
b = 0.029 px
c = 0.468 px
xc = 6.554 px
yc = 7.245 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38632.1358
Standard deviation: 11.21773
R^2: 0.98811
Parameters:
a = 116.88484
b = 823.77048
c = 36.82715
d = 0.83417

Bead 1889

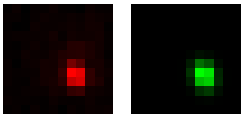
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

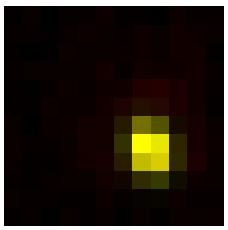
Coordinates : -86.4 um (x), -22.2 um (y), 36.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	494 nm	515 nm	270 nm
z	2.1 um	2.11 um	1.3 um
Asymmetry	0.779		
Theta	-73.3°		

XY profile & fitting parameters :

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

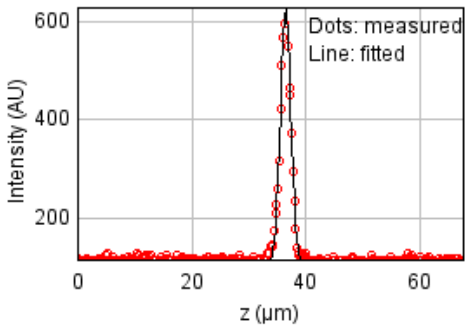




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 654.917 (brightness)
B = 124.875 (background)
a = 0.876 px
b = -0.098 px
c = 0.578 px
xc = 7.476 px
yc = 7.309 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22850.1547
Standard deviation: 8.62731
R^2: 0.98755
Parameters:
a = 114.24004
b = 628.74414
c = 36.53497
d = 0.89132

Bead 1890

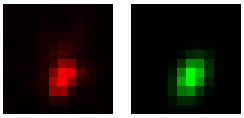
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

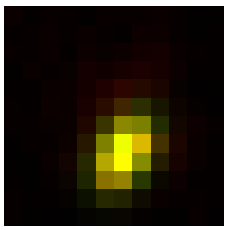
Coordinates : 17.4 um (x), -24.9 um (y), 36.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	482 nm	502 nm	270 nm
max	729 nm	759 nm	270 nm
z	2.66 um	2.67 um	1.3 um
Asymmetry	0.661		
Theta	61.9°		

XY profile & fitting parameters :

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

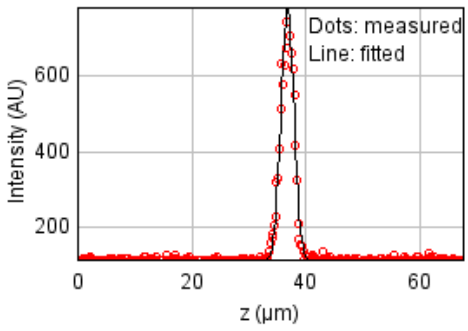




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 784.689 (brightness)
B = 131.833 (background)
a = 0.505 px
b = 0.135 px
c = 0.325 px
xc = 6.058 px
yc = 7.459 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 65808.5459
Standard deviation: 14.64104
R^2: 0.98307
Parameters:
a = 113.54911
b = 782.07537
c = 36.86090
d = 1.12798

Bead 1891

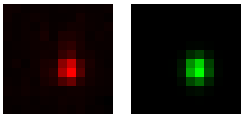
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

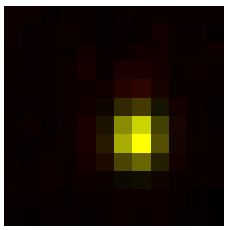
Coordinates : -72.2 um (x), -40.1 um (y), 36.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	492 nm	513 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.834		
Theta	89.7°		

XY profile & fitting parameters :

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

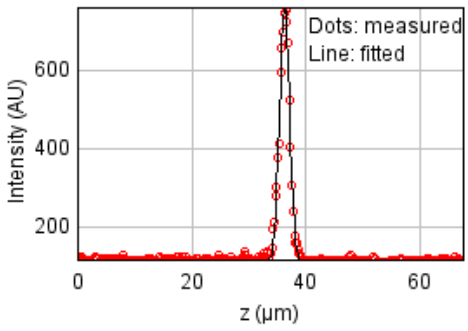




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 675.830 (brightness)
B = 122.378 (background)
a = 0.795 px
b = 0.001 px
c = 0.554 px
xc = 6.753 px
yc = 6.671 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29475.2685
Standard deviation: 9.79850
R^2: 0.98961
Parameters:
a = 113.82352
b = 763.13916
c = 36.35480
d = 0.86567

Bead 1892 (Rejected)

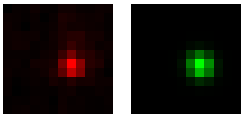
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

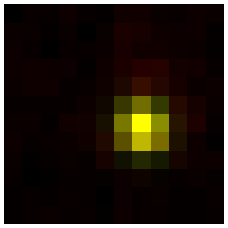
Coordinates : -96.1 um (x), -53.2 um (y), 36.3 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	442 nm	461 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.92		
Theta	-70.7°		

XY profile & fitting parameters :

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

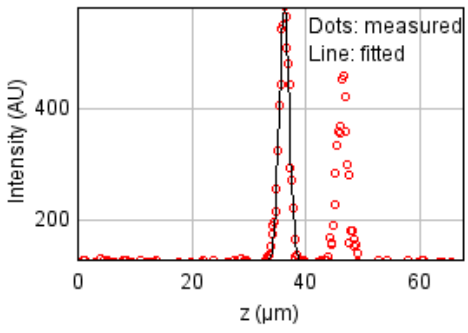




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

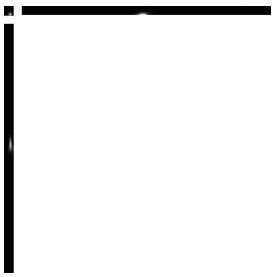
Parameters:
A = 478.275 (brightness)
B = 120.342 (background)
a = 0.674 px
b = -0.033 px
c = 0.592 px
xc = 7.075 px
yc = 6.222 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 755423.325
Standard deviation: 49.60506
R^2: 0.64989
Parameters:
a = 125.68147
b = 584.33596
c = 36.29949
d = 0.86668

Bead 1893 (Rejected)



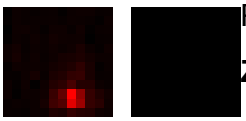
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -81.0 um (x), -54.7 um (y), 33.1 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.34 um	3.36 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

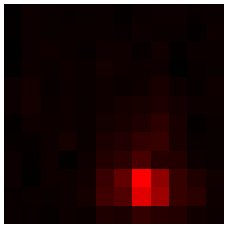
XY profile & fitting parameters :

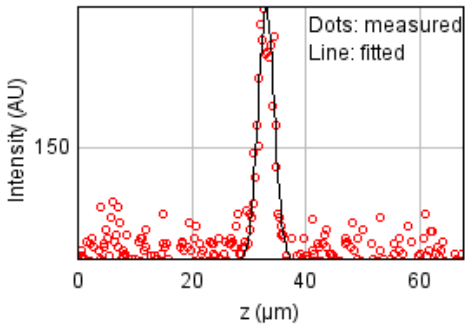
(red : the orignal data, green : the fit, yellow : the two merged)



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: 14212.5428
Standard deviation: 6.80404
R^2: 0.83570
Parameters:
a = 113.79460
b = 196.44031
c = 33.12089
d = 1.41907

Bead 1894

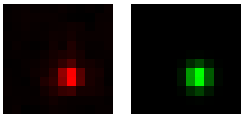
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

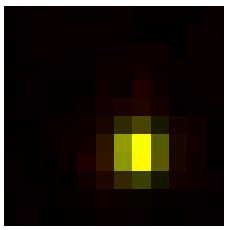
Coordinates : -74.8 um (x), -71.1 um (y), 36.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	445 nm	464 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.938		
Theta	-89.4°		

XY profile & fitting parameters :

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

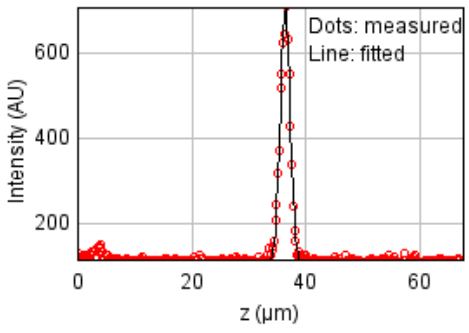




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 698.146 (brightness)
B = 122.578 (background)
a = 0.770 px
b = -0.001 px
c = 0.678 px
xc = 6.828 px
yc = 7.483 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29695.5764
Standard deviation: 9.83505
R^2: 0.98709
Parameters:
a = 114.17681
b = 705.29482
c = 36.46690
d = 0.84387

Bead 1895

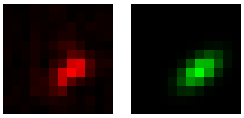
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

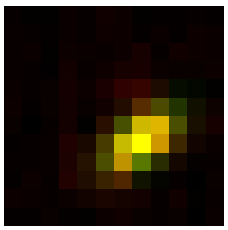
Coordinates : -130 um (x), -78.8 um (y), 37.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	442 nm	270 nm
max	785 nm	818 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.541		
Theta	38.1°		

XY profile & fitting parameters :

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

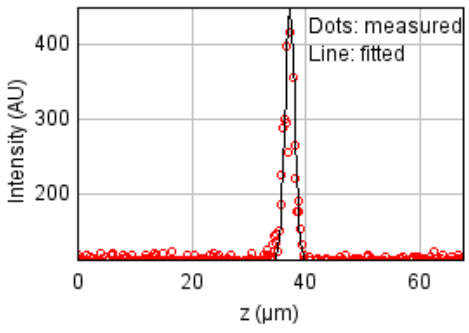




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.933

Parameters:
A = 429.185 (brightness)
B = 118.831 (background)
a = 0.419 px
b = 0.256 px
c = 0.543 px
xc = 6.992 px
yc = 6.808 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 116563.545
Standard deviation: 19.48553
R^2: 0.86448
Parameters:
a = 111.87360
b = 449.87741
c = 37.27157
d = 0.84519

Bead 1896

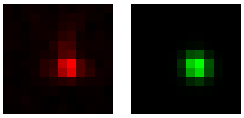
Date : Mon Oct 17 13:52:53 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

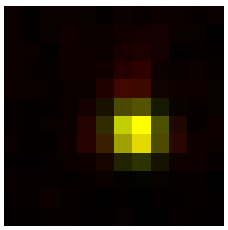
Coordinates : 83.7 um (x), -94.1 um (y), 36.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	436 nm	454 nm	270 nm
max	467 nm	487 nm	270 nm
z	1.87 um	1.88 um	1.3 um
Asymmetry	0.932		
Theta	-56.0°		

XY profile & fitting parameters :

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

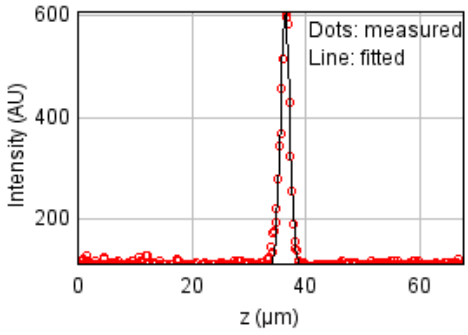




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.929

Parameters:
A = 555.390 (brightness)
B = 124.205 (background)
a = 0.678 px
b = -0.043 px
c = 0.643 px
xc = 6.681 px
yc = 6.351 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31188.1874
Standard deviation: 10.07920
R^2: 0.97969
Parameters:
a = 112.88738
b = 608.43387
c = 36.45278
d = 0.79323

Bead 1897

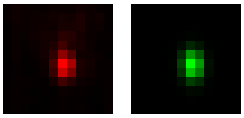
Date : Mon Oct 17 13:52:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

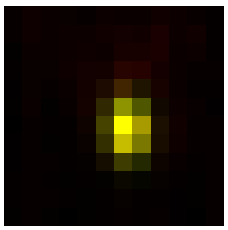
Coordinates : 8.19 um (x), 79.5 um (y), 37.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	563 nm	586 nm	270 nm
z	2.14 um	2.15 um	1.3 um
Asymmetry	0.675		
Theta	-87.5°		

XY profile & fitting parameters :

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

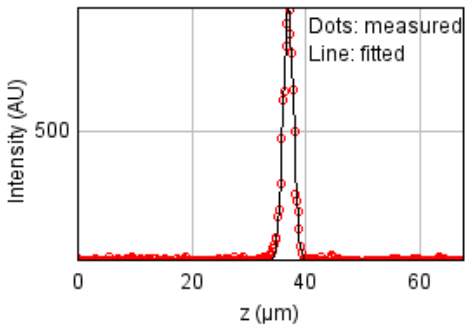




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 807.217 (brightness)
B = 129.287 (background)
a = 0.927 px
b = -0.022 px
c = 0.424 px
xc = 6.233 px
yc = 6.154 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27690.0233
Standard deviation: 9.49713
R^2: 0.99305
Parameters:
a = 113.42680
b = 866.72607
c = 36.99792
d = 0.90803

Bead 1898

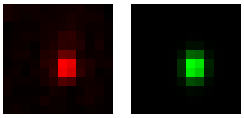
Date : Mon Oct 17 13:52:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

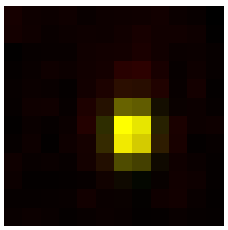
Coordinates : 13.1 um (x), 48.2 um (y), 36.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	397 nm	270 nm
max	509 nm	530 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.749		
Theta	87.5°		

XY profile & fitting parameters :

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

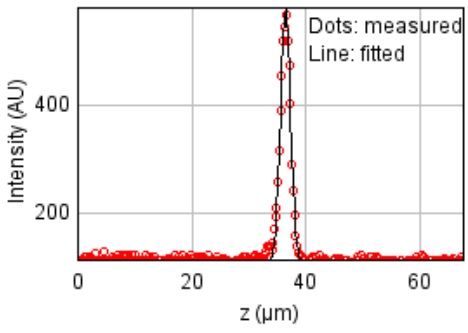




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 579.274 (brightness)
B = 125.178 (background)
a = 0.921 px
b = 0.018 px
c = 0.518 px
xc = 6.435 px
yc = 6.398 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17560.5488
Standard deviation: 7.56310
R^2: 0.98773
Parameters:
a = 115.41487
b = 576.83957
c = 36.51520
d = 0.86340

Bead 1899

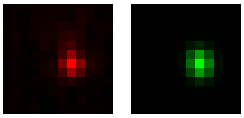
Date : Mon Oct 17 13:52:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

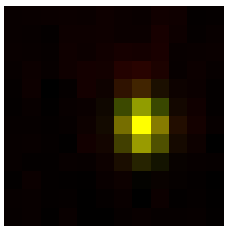
Coordinates : 66.7 um (x), 21.0 um (y), 36.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	524 nm	546 nm	270 nm
z	2.01 um	2.02 um	1.3 um
Asymmetry	0.787		
Theta	-83.5°		

XY profile & fitting parameters :

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

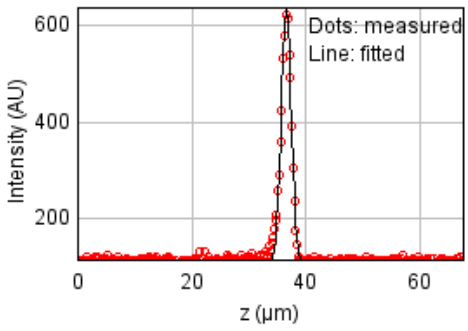




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 489.761 (brightness)
B = 121.166 (background)
a = 0.786 px
b = -0.034 px
c = 0.492 px
xc = 7.036 px
yc = 5.996 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23779.3809
Standard deviation: 8.80098
R^2: 0.98711
Parameters:
a = 114.08787
b = 640.44400
c = 36.64593
d = 0.85406

Bead 1900 (Rejected)

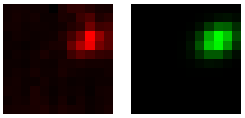
Date : Mon Oct 17 13:52:54 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

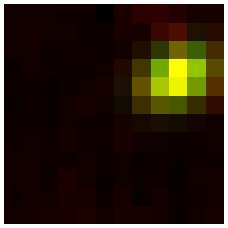
Coordinates : -4.41 um (x), 17.6 um (y), 15.1 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	497 nm	517 nm	270 nm
max	680 nm	709 nm	270 nm
z	3.68 um	3.7 um	1.3 um
Asymmetry	0.73		
Theta	27.4°		

XY profile & fitting parameters :

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

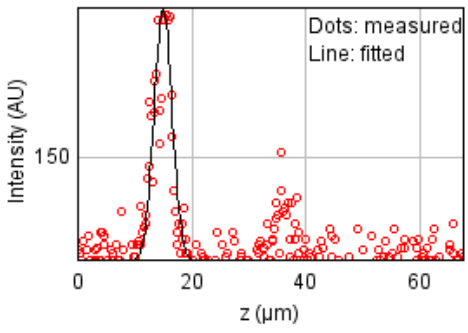




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.918

Parameters:
A = 313.998 (brightness)
B = 116.232 (background)
a = 0.344 px
b = 0.104 px
c = 0.490 px
xc = 8.961 px
yc = 3.467 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23078.9083
Standard deviation: 8.67039
R^2: 0.78174
Parameters:
a = 115.48727
b = 200.02930
c = 15.05731
d = 1.56337