Bead 1401

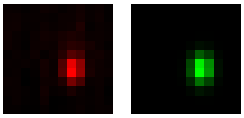
Date : Mon Oct 17 13:52:12 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

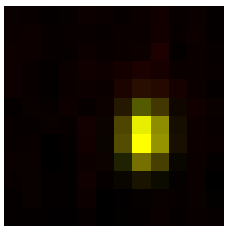
Coordinates : -46.2 um (x), -14.8 um (y), 27.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	548 nm	571 nm	270 nm
z	2.33 um	2.34 um	1.3 um
Asymmetry	0.713		
Theta	88.2°		

XY profile & fitting parameters :

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

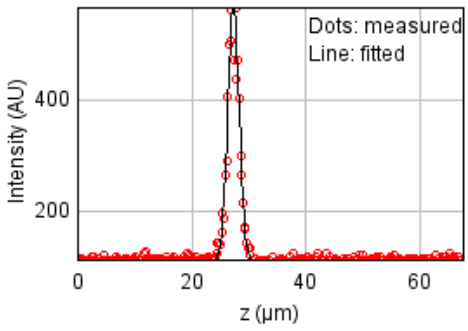




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 560.765 (brightness)
B = 122.532 (background)
a = 0.877 px
b = 0.014 px
c = 0.447 px
xc = 7.195 px
yc = 6.575 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47890.4319
Standard deviation: 12.48979
R^2: 0.97020
Parameters:
a = 112.77465
b = 567.02168
c = 27.37091
d = 0.98915

Bead 1402

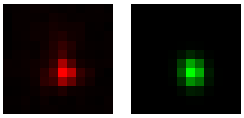
Date : Mon Oct 17 13:52:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

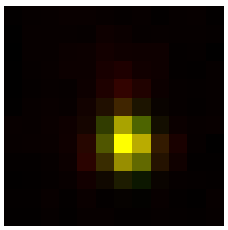
Coordinates : 4.67 um (x), -70.1 um (y), 27.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	512 nm	534 nm	270 nm
z	2.11 um	2.12 um	1.3 um
Asymmetry	0.826		
Theta	-78.5°		

XY profile & fitting parameters :

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

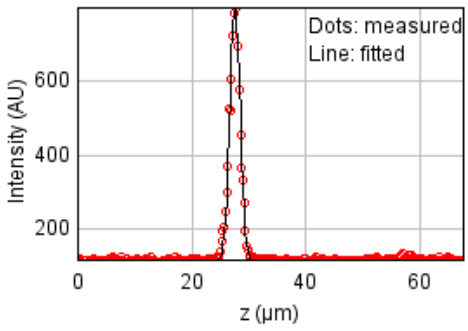




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.941

Parameters:
A = 697.127 (brightness)
B = 126.987 (background)
a = 0.740 px
b = -0.047 px
c = 0.521 px
xc = 6.231 px
yc = 6.955 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47004.0963
Standard deviation: 12.37367
R^2: 0.98570
Parameters:
a = 115.04658
b = 801.69867
c = 27.64718
d = 0.89456

Bead 1403

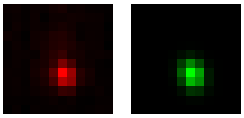
Date : Mon Oct 17 13:52:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

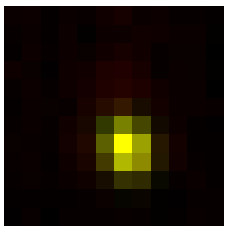
Coordinates : 114 um (x), -73.9 um (y), 27.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	531 nm	553 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.797		
Theta	-71.6°		

XY profile & fitting parameters :

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

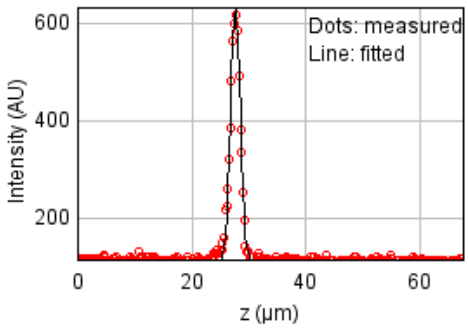




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 503.876 (brightness)
B = 120.009 (background)
a = 0.722 px
b = -0.082 px
c = 0.503 px
xc = 6.206 px
yc = 7.209 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20249.6960
Standard deviation: 8.12157
R^2: 0.98851
Parameters:
a = 112.45328
b = 633.83699
c = 27.71960
d = 0.83131

Bead 1404

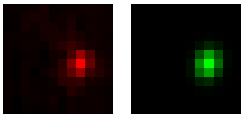
Date : Mon Oct 17 13:52:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

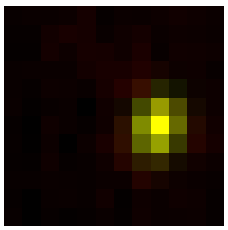
Coordinates : 143 um (x), -74.7 um (y), 24.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	539 nm	561 nm	270 nm
z	1.39 um	1.39 um	1.3 um
Asymmetry	0.777		
Theta	75.7°		

XY profile & fitting parameters :

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

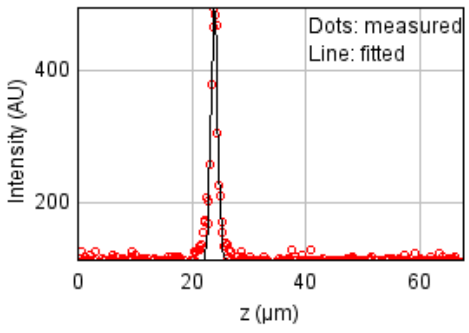




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.939

Parameters:
A = 359.167 (brightness)
B = 117.600 (background)
a = 0.746 px
b = 0.072 px
c = 0.481 px
xc = 7.904 px
yc = 6.032 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38889.1572
Standard deviation: 11.25499
R^2: 0.94688
Parameters:
a = 111.41961
b = 499.61447
c = 24.05008
d = 0.58914

Bead 1405

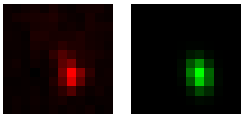
Date : Mon Oct 17 13:52:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

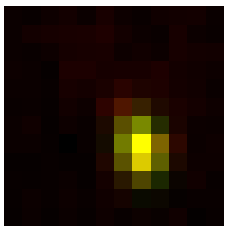
Coordinates : 33.2 um (x), 95.5 um (y), 27.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	412 nm	270 nm
max	576 nm	600 nm	270 nm
z	1.94 um	1.94 um	1.3 um
Asymmetry	0.687		
Theta	-78.3°		

XY profile & fitting parameters :

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

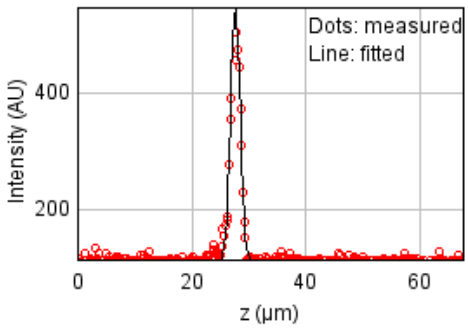




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.926

Parameters:
A = 387.673 (brightness)
B = 122.173 (background)
a = 0.838 px
b = -0.090 px
c = 0.423 px
xc = 6.962 px
yc = 7.225 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37082.5020
Standard deviation: 10.99045
R^2: 0.96964
Parameters:
a = 113.30033
b = 545.50593
c = 27.71313
d = 0.82233

Bead 1406

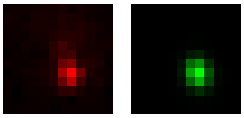
Date : Mon Oct 17 13:52:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

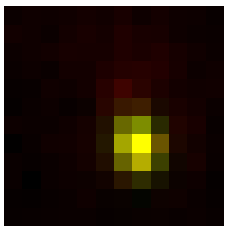
Coordinates : 66.2 um (x), 58.0 um (y), 27.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	530 nm	552 nm	270 nm
z	1.86 um	1.86 um	1.3 um
Asymmetry	0.778		
Theta	-78.0°		

XY profile & fitting parameters :

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

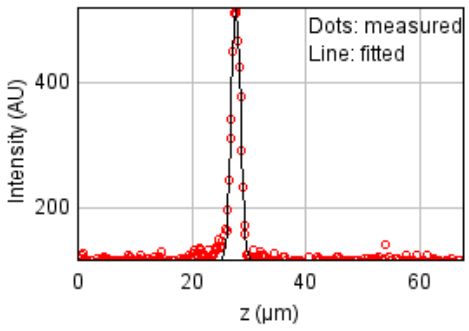




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.919

Parameters:
A = 403.896 (brightness)
B = 122.445 (background)
a = 0.776 px
b = -0.063 px
c = 0.492 px
xc = 6.786 px
yc = 7.074 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20673.5327
Standard deviation: 8.20613
R^2: 0.98005
Parameters:
a = 114.92683
b = 523.26087
c = 27.80134
d = 0.78852

Bead 1407

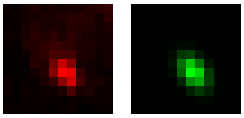
Date : Mon Oct 17 13:52:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

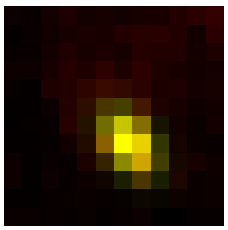
Coordinates : 129 um (x), 47.4 um (y), 27.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	664 nm	691 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.651		
Theta	-55.5°		

XY profile & fitting parameters :

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

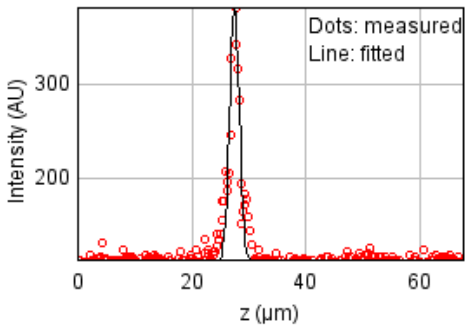




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.901

Parameters:
A = 341.487 (brightness)
B = 126.718 (background)
a = 0.586 px
b = -0.193 px
c = 0.438 px
xc = 6.307 px
yc = 6.922 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47569.8359
Standard deviation: 12.44792
R^2: 0.90821
Parameters:
a = 112.55986
b = 383.29444
c = 27.55559
d = 0.83333

Bead 1408 (Rejected)

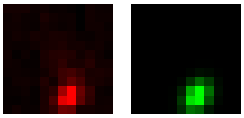
Date : Mon Oct 17 13:52:13 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

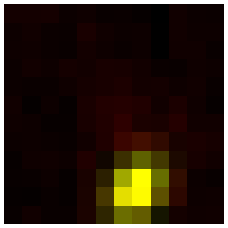
Coordinates : 108 um (x), 32.3 um (y), 25.2 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	430 nm	448 nm	270 nm
max	581 nm	605 nm	270 nm
z	3.34 um	3.35 um	1.3 um
Asymmetry	0.74		
Theta	57.5°		

XY profile & fitting parameters :

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

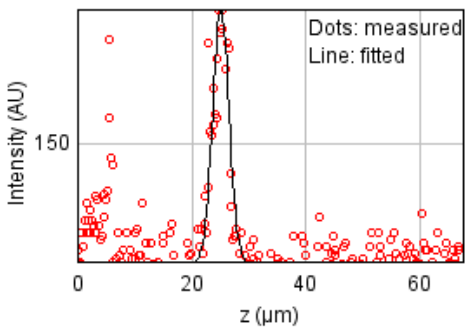




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 351.526 (brightness)
B = 120.692 (background)
a = 0.632 px
b = 0.149 px
c = 0.493 px
xc = 6.698 px
yc = 9.572 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28138.5204
Standard deviation: 9.57374
R^2: 0.69031
Parameters:
a = 113.82204
b = 190.84626
c = 25.18227
d = 1.41730

Bead 1409 (Rejected)

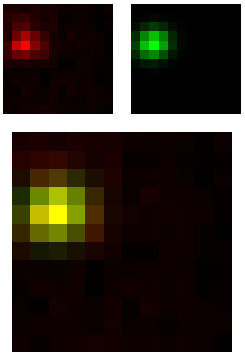
Date : Mon Oct 17 13:52:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -7.5 um (x), 25.7 um (y), 20.1 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	534 nm	556 nm	270 nm
max	597 nm	622 nm	270 nm
z	3.63 um	3.65 um	1.3 um
Asymmetry	0.894		
Theta	17.3°		

XY profile & fitting parameters :

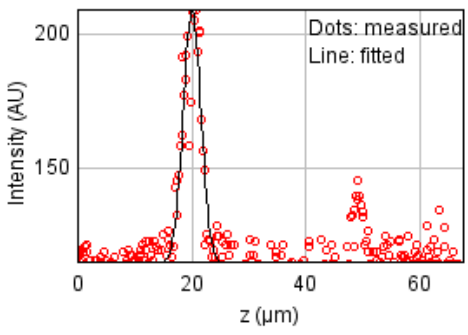
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 307.034 (brightness)
B = 120.841 (background)
a = 0.384 px
b = 0.027 px
c = 0.462 px
xc = 1.903 px
yc = 3.808 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22210.7201
Standard deviation: 8.50574
R^2: 0.82197
Parameters:
a = 114.92438
b = 209.65877
c = 20.13474
d = 1.54282

Bead 1410

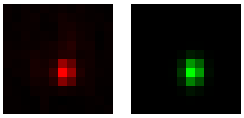
Date : Mon Oct 17 13:52:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

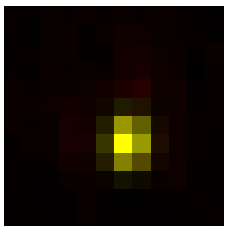
Coordinates : -52.1 um (x), 9.15 um (y), 27.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	360 nm	375 nm	270 nm
max	469 nm	489 nm	270 nm
z	2.01 um	2.02 um	1.3 um
Asymmetry	0.768		
Theta	86.6°		

XY profile & fitting parameters :

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

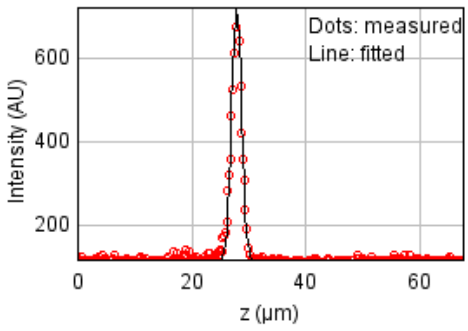




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 693.126 (brightness)
B = 129.001 (background)
a = 1.031 px
b = 0.025 px
c = 0.611 px
xc = 6.255 px
yc = 6.926 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40189.5728
Standard deviation: 11.44162
R^2: 0.98359
Parameters:
a = 116.08128
b = 721.47118
c = 27.93034
d = 0.85405

Bead 1411

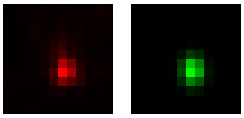
Date : Mon Oct 17 13:52:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

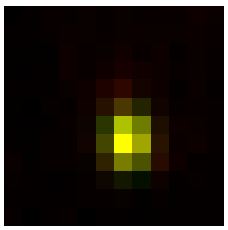
Coordinates : 50.7 um (x), 3.24 um (y), 27.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	411 nm	270 nm
max	522 nm	543 nm	270 nm
z	2.05 um	2.06 um	1.3 um
Asymmetry	0.756		
Theta	-89.0°		

XY profile & fitting parameters :

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

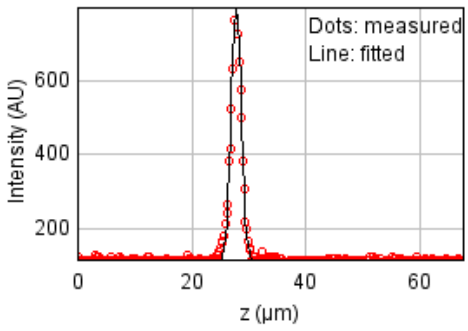




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 721.931 (brightness)
B = 125.967 (background)
a = 0.862 px
b = -0.007 px
c = 0.493 px
xc = 6.246 px
yc = 6.782 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35165.8657
Standard deviation: 10.70265
R^2: 0.98901
Parameters:
a = 114.48595
b = 801.60394
c = 27.85879
d = 0.87156

Bead 1412 (Rejected)

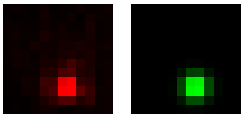
Date : Mon Oct 17 13:52:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

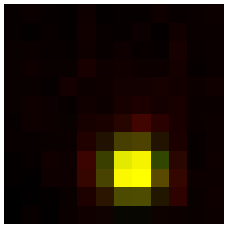
Coordinates : -73.6 um (x), -14.7 um (y), 24.2 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	459 nm	478 nm	270 nm
max	463 nm	482 nm	270 nm
z	4.02 um	4.04 um	1.3 um
Asymmetry	0.99		
Theta	66.2°		

XY profile & fitting parameters :

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

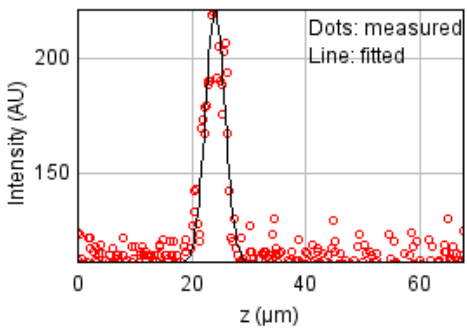




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.941

Parameters:
A = 535.229 (brightness)
B = 123.932 (background)
a = 0.636 px
b = 0.005 px
c = 0.628 px
xc = 6.528 px
yc = 8.542 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19602.7172
Standard deviation: 7.99078
R^2: 0.88287
Parameters:
a = 112.00152
b = 220.61811
c = 24.19009
d = 1.70702

Bead 1413 (Rejected)

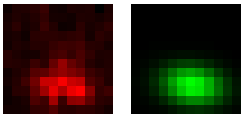
Date : Mon Oct 17 13:52:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

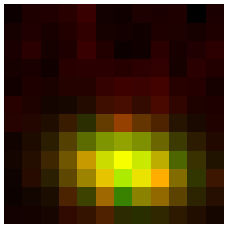
Coordinates : -76.3 um (x), -44.2 um (y), 24.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	715 nm	745 nm	270 nm
max	1.12 um	1.17 um	270 nm
z	2.66 um	2.67 um	1.3 um
Asymmetry	0.639		
Theta	-8.2°		

XY profile & fitting parameters :

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

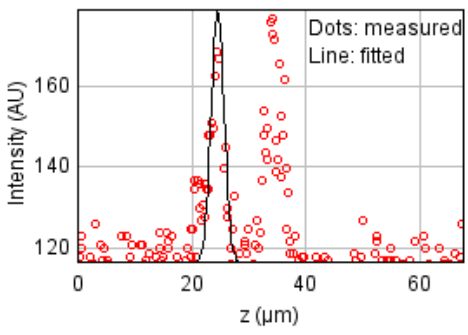




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.861

Parameters:
A = 167.643 (brightness)
B = 120.154 (background)
a = 0.110 px
b = -0.022 px
c = 0.259 px
xc = 6.194 px
yc = 8.369 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51516.3602
Standard deviation: 12.95399
R^2: 0.39363
Parameters:
a = 116.51376
b = 178.97614
c = 24.61027
d = 1.13079

Bead 1414

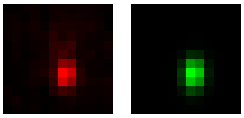
Date : Mon Oct 17 13:52:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

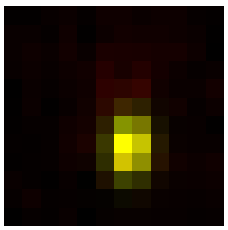
Coordinates : 138 um (x), -53.4 um (y), 27.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	574 nm	598 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.675		
Theta	87.2°		

XY profile & fitting parameters :

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

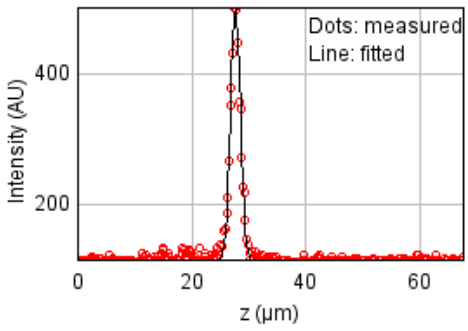




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 467.346 (brightness)
B = 121.395 (background)
a = 0.893 px
b = 0.024 px
c = 0.408 px
xc = 6.347 px
yc = 7.150 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20576.6864
Standard deviation: 8.18688
R^2: 0.97990
Parameters:
a = 112.32911
b = 503.87538
c = 27.72871
d = 0.85014

Bead 1415

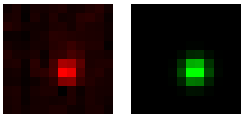
Date : Mon Oct 17 13:52:14 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

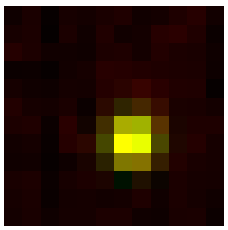
Coordinates : 161 um (x), -91.8 um (y), 26.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	455 nm	474 nm	270 nm
max	484 nm	504 nm	270 nm
z	2.71 um	2.72 um	1.3 um
Asymmetry	0.94		
Theta	76.2°		

XY profile & fitting parameters :

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

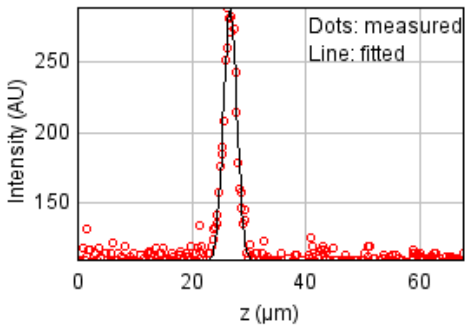




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.922

Parameters:
A = 210.588 (brightness)
B = 112.838 (background)
a = 0.643 px
b = 0.017 px
c = 0.576 px
xc = 6.505 px
yc = 6.823 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 13464.1354
Standard deviation: 6.62247
R^2: 0.95354
Parameters:
a = 110.08034
b = 288.22504
c = 26.80105
d = 1.15003

Bead 1416

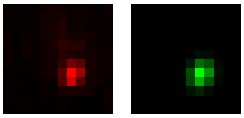
Date : Mon Oct 17 13:52:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

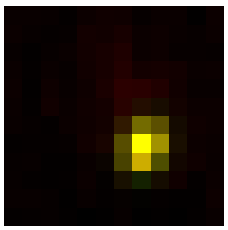
Coordinates : -82.9 um (x), 64.1 um (y), 28.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	395 nm	270 nm
max	482 nm	502 nm	270 nm
z	1.78 um	1.79 um	1.3 um
Asymmetry	0.788		
Theta	67.7°		

XY profile & fitting parameters :

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

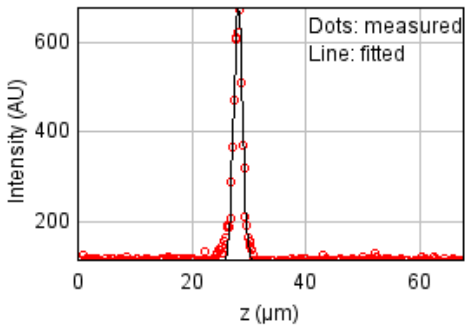




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.938

Parameters:
A = 543.741 (brightness)
B = 126.889 (background)
a = 0.881 px
b = 0.124 px
c = 0.629 px
xc = 7.162 px
yc = 7.159 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45180.2140
Standard deviation: 12.13123
R^2: 0.97640
Parameters:
a = 113.92100
b = 678.74002
c = 28.20406
d = 0.75742

Bead 1417

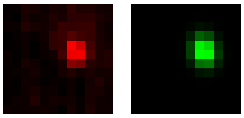
Date : Mon Oct 17 13:52:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

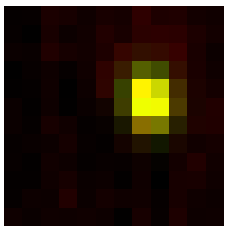
Coordinates : 119 um (x), 37.8 um (y), 21.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	556 nm	579 nm	270 nm
z	2.48 um	2.49 um	1.3 um
Asymmetry	0.772		
Theta	-79.3°		

XY profile & fitting parameters :

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

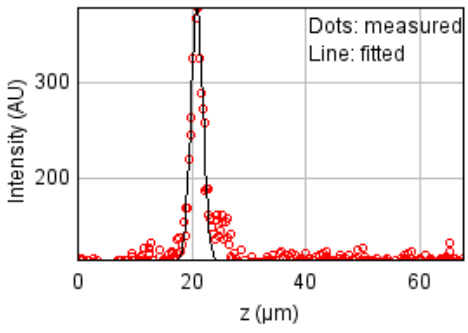




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.914

Parameters:
A = 321.205 (brightness)
B = 121.664 (background)
a = 0.719 px
b = -0.054 px
c = 0.445 px
xc = 7.460 px
yc = 4.610 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36105.5810
Standard deviation: 10.84471
R^2: 0.93920
Parameters:
a = 115.13260
b = 378.80655
c = 20.98996
d = 1.05390

Bead 1418

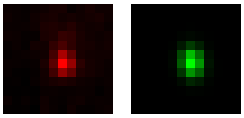
Date : Mon Oct 17 13:52:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

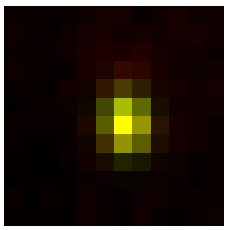
Coordinates : 87.6 um (x), 30.9 um (y), 27.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	434 nm	270 nm
max	561 nm	584 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.742		
Theta	-85.3°		

XY profile & fitting parameters :

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

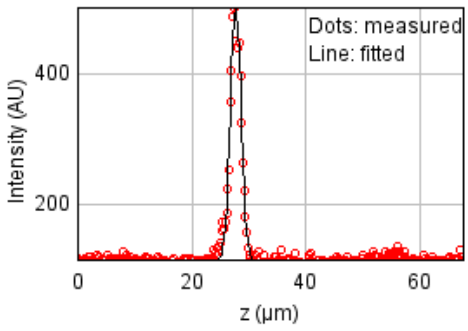




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.939

Parameters:
A = 372.835 (brightness)
B = 119.034 (background)
a = 0.772 px
b = -0.029 px
c = 0.429 px
xc = 6.157 px
yc = 5.866 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24293.2911
Standard deviation: 8.89557
R^2: 0.97767
Parameters:
a = 114.69108
b = 500.64969
c = 27.77290
d = 0.93169

Bead 1419

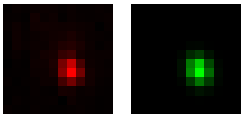
Date : Mon Oct 17 13:52:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

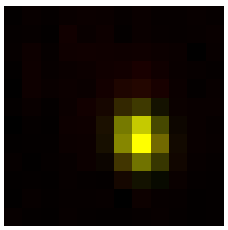
Coordinates : -22.0 um (x), 11.2 um (y), 27.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	519 nm	540 nm	270 nm
z	1.88 um	1.89 um	1.3 um
Asymmetry	0.798		
Theta	-75.4°		

XY profile & fitting parameters :

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

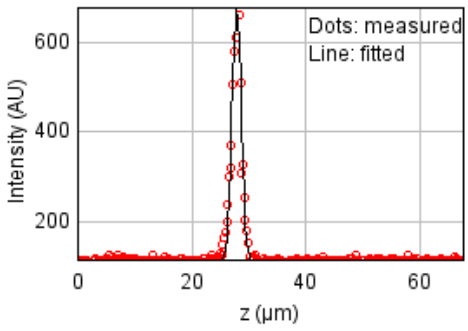




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 577.576 (brightness)
B = 123.707 (background)
a = 0.765 px
b = -0.069 px
c = 0.517 px
xc = 6.891 px
yc = 6.712 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 43427.0464
Standard deviation: 11.89354
R^2: 0.97823
Parameters:
a = 113.36012
b = 675.98767
c = 27.93999
d = 0.79855

Bead 1420

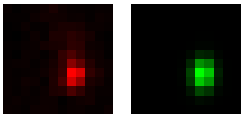
Date : Mon Oct 17 13:52:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

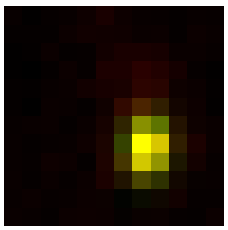
Coordinates : 105 um (x), 9.09 um (y), 28.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	424 nm	270 nm
max	573 nm	597 nm	270 nm
z	2.11 um	2.12 um	1.3 um
Asymmetry	0.711		
Theta	87.1°		

XY profile & fitting parameters :

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

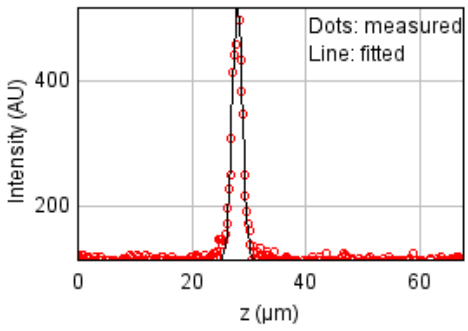




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.938

Parameters:
A = 476.324 (brightness)
B = 124.216 (background)
a = 0.807 px
b = 0.020 px
c = 0.409 px
xc = 7.335 px
yc = 7.181 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22515.3872
Standard deviation: 8.56388
R^2: 0.98064
Parameters:
a = 113.30499
b = 520.55436
c = 28.05471
d = 0.89547

Bead 1421 (Rejected)

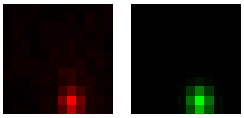
Date : Mon Oct 17 13:52:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

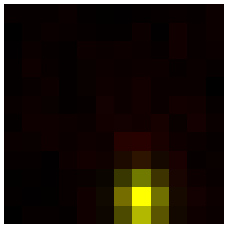
Coordinates : -147 um (x), 2.49 um (y), 26.3 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	501 nm	522 nm	270 nm
z	3.46 um	3.48 um	1.3 um
Asymmetry	0.799		
Theta	-84.9°		

XY profile & fitting parameters :

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

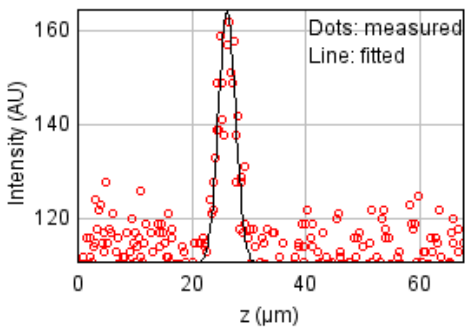




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 400.231 (brightness)
B = 118.257 (background)
a = 0.834 px
b = -0.027 px
c = 0.537 px
xc = 7.014 px
yc = 10.187 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 13611.6740
Standard deviation: 6.65866
R^2: 0.69887
Parameters:
a = 110.63202
b = 164.38692
c = 26.26019
d = 1.47001

Bead 1422

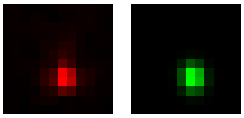
Date : Mon Oct 17 13:52:15 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

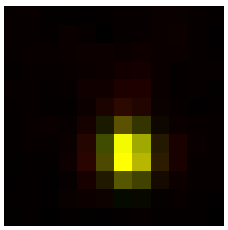
Coordinates : -18.2 um (x), -63.8 um (y), 28.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	429 nm	270 nm
max	495 nm	516 nm	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.831		
Theta	-83.5°		

XY profile & fitting parameters :

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

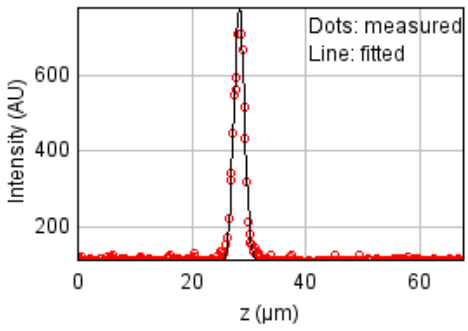




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 872.601 (brightness)
B = 130.635 (background)
a = 0.789 px
b = -0.028 px
c = 0.550 px
xc = 6.273 px
yc = 7.536 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50910.6889
Standard deviation: 12.87761
R^2: 0.98372
Parameters:
a = 112.74017
b = 778.02553
c = 28.39262
d = 0.90553

Bead 1423

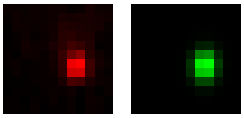
Date : Mon Oct 17 13:52:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

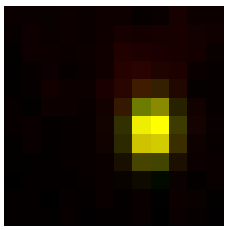
Coordinates : -3.18 um (x), 85.2 um (y), 28.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	562 nm	585 nm	270 nm
z	2.15 um	2.16 um	1.3 um
Asymmetry	0.744		
Theta	87.1°		

XY profile & fitting parameters :

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

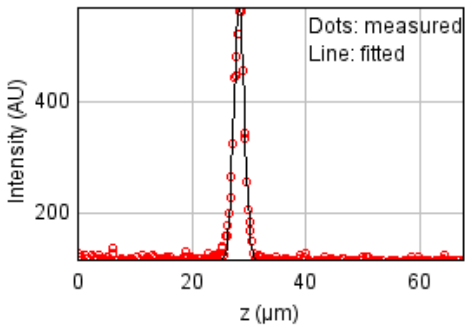




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

Parameters:
A = 568.740 (brightness)
B = 124.996 (background)
a = 0.768 px
b = 0.017 px
c = 0.426 px
xc = 7.541 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: 28520.6210
Standard deviation: 9.63852
R^2: 0.98079
Parameters:
a = 114.30261
b = 570.07612
c = 28.36948
d = 0.91369

Bead 1424

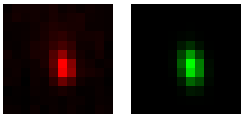
Date : Mon Oct 17 13:52:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

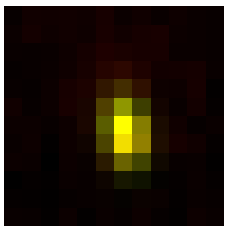
Coordinates : 55.5 um (x), 72.6 um (y), 28.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	408 nm	270 nm
max	647 nm	673 nm	270 nm
z	1.94 um	1.95 um	1.3 um
Asymmetry	0.605		
Theta	-81.3°		

XY profile & fitting parameters :

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

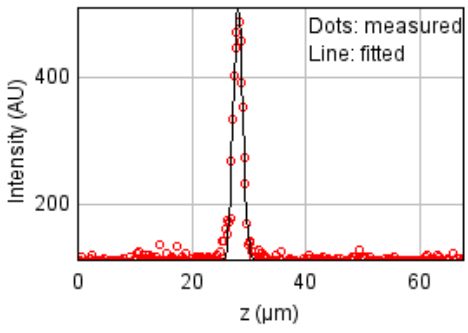




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

Parameters:
A = 441.141 (brightness)
B = 122.826 (background)
a = 0.864 px
b = -0.083 px
c = 0.334 px
xc = 6.117 px
yc = 6.321 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20063.4068
Standard deviation: 8.08413
R^2: 0.98000
Parameters:
a = 114.14840
b = 507.67810
c = 28.17876
d = 0.82325

Bead 1425 (Rejected)

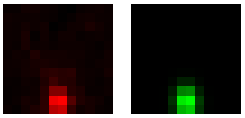
Date : Mon Oct 17 13:52:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

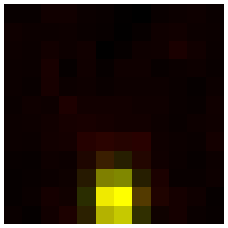
Coordinates : -2.96 um (x), 52.4 um (y), 25.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	555 nm	578 nm	270 nm
z	3.07 um	3.08 um	1.3 um
Asymmetry	0.745		
Theta	-87.0°		

XY profile & fitting parameters :

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

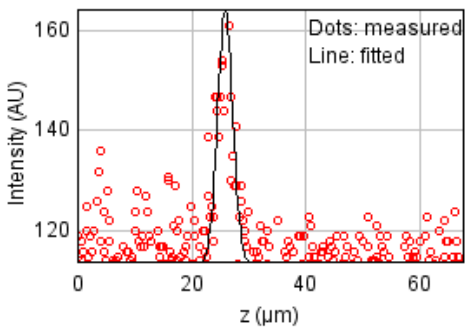




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 461.836 (brightness)
B = 123.708 (background)
a = 0.783 px
b = -0.018 px
c = 0.436 px
xc = 5.562 px
yc = 10.208 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15401.8897
Standard deviation: 7.08301
R^2: 0.61761
Parameters:
a = 113.61246
b = 164.05901
c = 25.93992
d = 1.30201

Bead 1426 (Rejected)

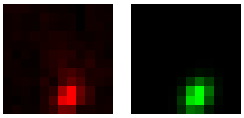
Date : Mon Oct 17 13:52:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

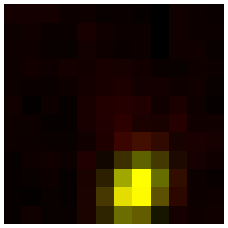
Coordinates : 108 um (x), 32.3 um (y), 25.2 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	430 nm	448 nm	270 nm
max	581 nm	605 nm	270 nm
z	3.34 um	3.35 um	1.3 um
Asymmetry	0.74		
Theta	57.5°		

XY profile & fitting parameters :

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

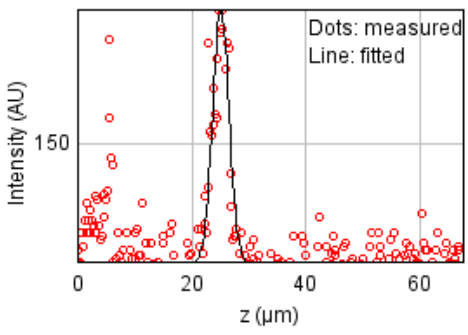




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 351.526 (brightness)
B = 120.692 (background)
a = 0.632 px
b = 0.149 px
c = 0.493 px
xc = 6.698 px
yc = 9.572 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28138.5204
Standard deviation: 9.57374
R^2: 0.69031
Parameters:
a = 113.82204
b = 190.84626
c = 25.18227
d = 1.41730

Bead 1427

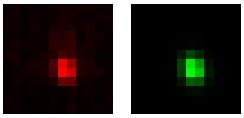
Date : Mon Oct 17 13:52:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

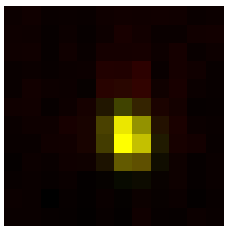
Coordinates : -138 um (x), 24.0 um (y), 28.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	493 nm	514 nm	270 nm
z	2.22 um	2.23 um	1.3 um
Asymmetry	0.785		
Theta	-74.7°		

XY profile & fitting parameters :

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

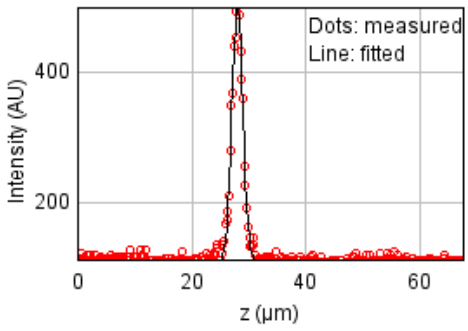




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

Parameters:
A = 475.076 (brightness)
B = 120.418 (background)
a = 0.871 px
b = -0.087 px
c = 0.575 px
xc = 6.299 px
yc = 6.632 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18778.3750
Standard deviation: 7.82096
R^2: 0.98301
Parameters:
a = 111.89352
b = 499.98325
c = 28.06285
d = 0.94188

Bead 1428 (Rejected)

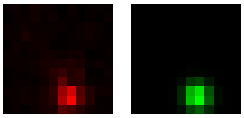
Date : Mon Oct 17 13:52:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

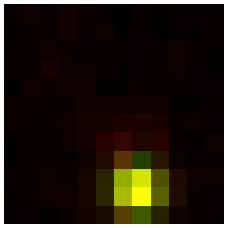
Coordinates : -9.52 um (x), 14.7 um (y), 24.8 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	453 nm	472 nm	270 nm
max	480 nm	500 nm	270 nm
z	3.05 um	3.07 um	1.3 um
Asymmetry	0.945		
Theta	-69.0°		

XY profile & fitting parameters :

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

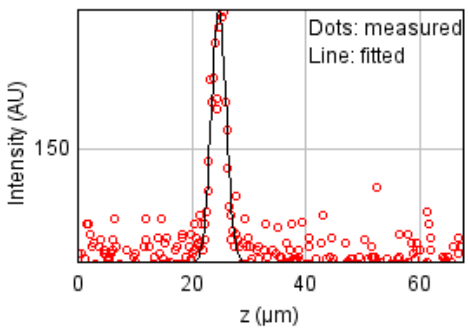




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.936

Parameters:
A = 448.129 (brightness)
B = 124.344 (background)
a = 0.644 px
b = -0.023 px
c = 0.591 px
xc = 6.729 px
yc = 9.589 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15144.1342
Standard deviation: 7.02349
R^2: 0.80612
Parameters:
a = 113.79218
b = 194.20457
c = 24.80835
d = 1.29667

Bead 1429

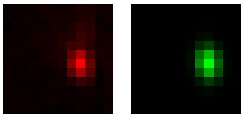
Date : Mon Oct 17 13:52:16 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

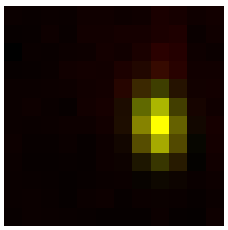
Coordinates : 86.2 um (x), -14.6 um (y), 28.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	420 nm	270 nm
max	606 nm	631 nm	270 nm
z	3.02 um	3.03 um	1.3 um
Asymmetry	0.666		
Theta	-82.5°		

XY profile & fitting parameters :

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

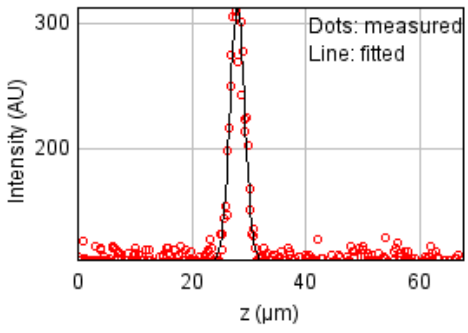




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 476.723 (brightness)
B = 121.605 (background)
a = 0.817 px
b = -0.060 px
c = 0.373 px
xc = 7.905 px
yc = 5.937 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20968.3050
Standard deviation: 8.26442
R^2: 0.94858
Parameters:
a = 112.04010
b = 312.40773
c = 28.05357
d = 1.28196

Bead 1430 (Rejected)

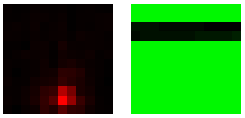
Date : Mon Oct 17 13:52:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

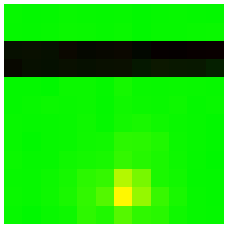
Coordinates : -82.8 um (x), -26.0 um (y), 24.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	132 nm	138 nm	270 nm
max	35.8 um	37.3 um	270 nm
z	3.28 um	3.29 um	1.3 um
Asymmetry	0.004		
Theta	0.0°		

XY profile & fitting parameters :

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

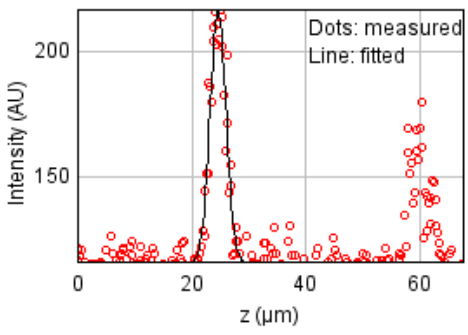




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.053

Parameters:
A = -200.283 (brightness)
B = 149.975 (background)
a = -0.000 px
b = 0.007 px
c = 7.683 px
xc = 4.410 px
yc = 2.498 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47554.1269
Standard deviation: 12.44586
R^2: 0.68729
Parameters:
a = 116.09634
b = 216.39300
c = 24.67377
d = 1.39078

Bead 1431

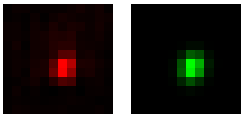
Date : Mon Oct 17 13:52:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

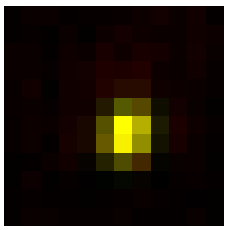
Coordinates : -140 um (x), -31.2 um (y), 27.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	506 nm	527 nm	270 nm
z	2.22 um	2.23 um	1.3 um
Asymmetry	0.815		
Theta	72.5°		

XY profile & fitting parameters :

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

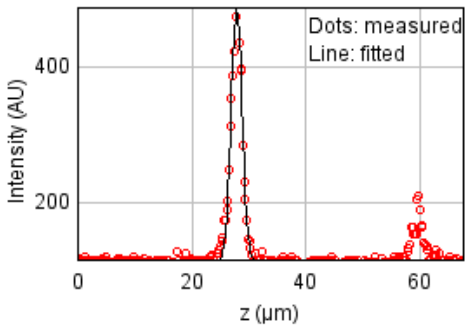




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 427.015 (brightness)
B = 118.512 (background)
a = 0.763 px
b = 0.076 px
c = 0.548 px
xc = 6.211 px
yc = 6.420 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 62938.0967
Standard deviation: 14.31817
R^2: 0.94065
Parameters:
a = 114.53097
b = 485.86681
c = 27.93045
d = 0.94459

Bead 1432 (Rejected)

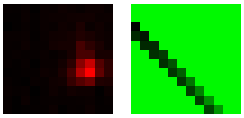
Date : Mon Oct 17 13:52:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

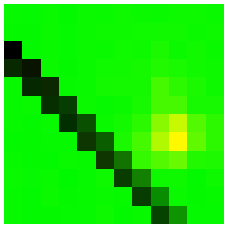
Coordinates : 47.9 um (x), -33.3 um (y), 24.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	118 nm	123 nm	270 nm
max	21.9 um	22.8 um	270 nm
z	3.96 um	3.97 um	1.3 um
Asymmetry	0.005		
Theta	-45.3°		

XY profile & fitting parameters :

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

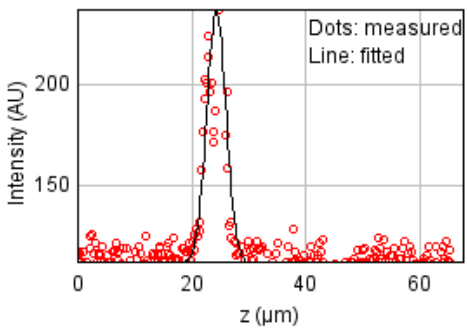




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.076

Parameters:
A = -409.876 (brightness)
B = 147.687 (background)
a = 4.855 px
b = -4.810 px
c = 4.767 px
xc = -48.169 px
yc = -46.130 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34401.7921
Standard deviation: 10.58574
R^2: 0.84615
Parameters:
a = 112.51418
b = 236.31349
c = 24.39204
d = 1.67995

Bead 1433

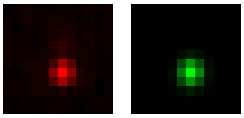
Date : Mon Oct 17 13:52:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

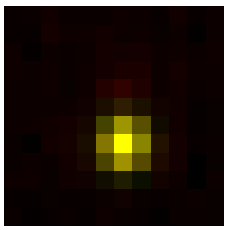
Coordinates : -90.4 um (x), -47.4 um (y), 28.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	433 nm	451 nm	270 nm
max	494 nm	515 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.876		
Theta	86.5°		

XY profile & fitting parameters :

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

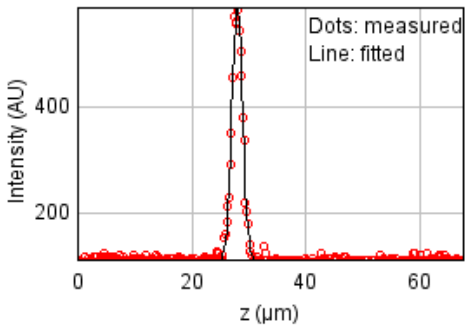




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 446.045 (brightness)
B = 120.021 (background)
a = 0.716 px
b = 0.010 px
c = 0.550 px
xc = 6.041 px
yc = 6.982 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19564.2185
Standard deviation: 7.98293
R^2: 0.98781
Parameters:
a = 112.53227
b = 586.99217
c = 28.04615
d = 0.91827

Bead 1434

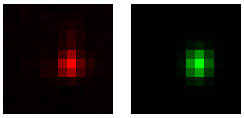
Date : Mon Oct 17 13:52:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

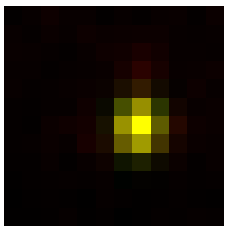
Coordinates : -103 um (x), -55.1 um (y), 28.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	499 nm	520 nm	270 nm
z	2.1 um	2.11 um	1.3 um
Asymmetry	0.82		
Theta	85.3°		

XY profile & fitting parameters :

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

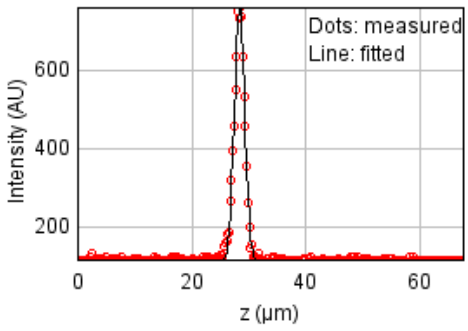




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 626.625 (brightness)
B = 124.056 (background)
a = 0.799 px
b = 0.021 px
c = 0.540 px
xc = 6.849 px
yc = 6.041 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20553.0008
Standard deviation: 8.18217
R^2: 0.99294
Parameters:
a = 112.94193
b = 763.05610
c = 28.45040
d = 0.89073

Bead 1435

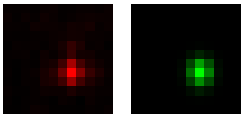
Date : Mon Oct 17 13:52:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

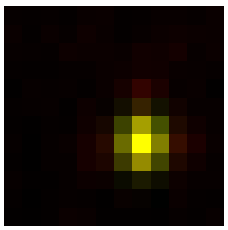
Coordinates : 4.41 um (x), -84.6 um (y), 28.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	498 nm	519 nm	270 nm
z	1.91 um	1.92 um	1.3 um
Asymmetry	0.829		
Theta	89.7°		

XY profile & fitting parameters :

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

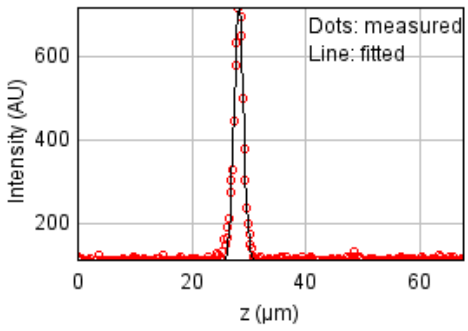




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 603.840 (brightness)
B = 124.370 (background)
a = 0.788 px
b = 0.001 px
c = 0.541 px
xc = 7.055 px
yc = 6.937 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31527.8981
Standard deviation: 10.13394
R^2: 0.98630
Parameters:
a = 114.85121
b = 717.03666
c = 28.31270
d = 0.81121

Bead 1436

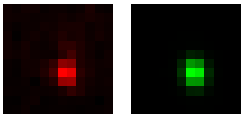
Date : Mon Oct 17 13:52:17 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

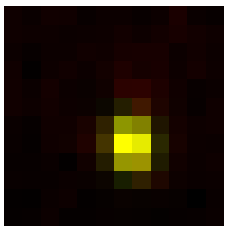
Coordinates : -76.5 um (x), 93.4 um (y), 28.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	502 nm	523 nm	270 nm
z	2.29 um	2.29 um	1.3 um
Asymmetry	0.794		
Theta	-83.7°		

XY profile & fitting parameters :

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

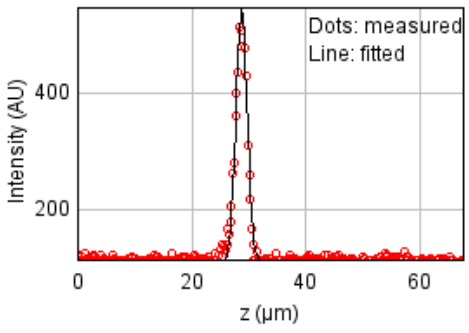




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 501.371 (brightness)
B = 121.481 (background)
a = 0.839 px
b = -0.034 px
c = 0.535 px
xc = 6.452 px
yc = 7.029 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28909.8277
Standard deviation: 9.70406
R^2: 0.97973
Parameters:
a = 112.53520
b = 546.43144
c = 28.80417
d = 0.97036

Bead 1437

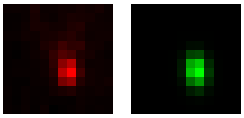
Date : Mon Oct 17 13:52:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

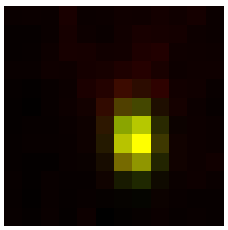
Coordinates : 24.3 um (x), 66.6 um (y), 28.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	588 nm	612 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.658		
Theta	-85.6°		

XY profile & fitting parameters :

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

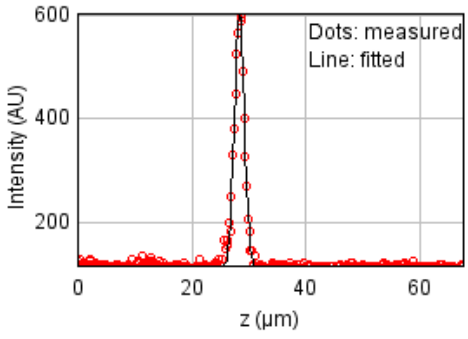




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.934

Parameters:
A = 512.887 (brightness)
B = 125.284 (background)
a = 0.894 px
b = -0.039 px
c = 0.391 px
xc = 6.640 px
yc = 6.779 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21754.0906
Standard deviation: 8.41785
R^2: 0.98648
Parameters:
a = 114.30673
b = 605.00198
c = 28.41972
d = 0.85667

Bead 1438

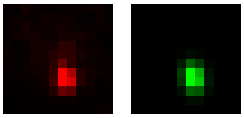
Date : Mon Oct 17 13:52:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

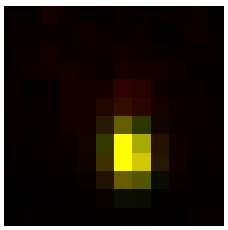
Coordinates : -6.31 um (x), 55.2 um (y), 28.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	376 nm	391 nm	270 nm
max	525 nm	547 nm	270 nm
z	1.99 um	1.99 um	1.3 um
Asymmetry	0.715		
Theta	-79.9°		

XY profile & fitting parameters :

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

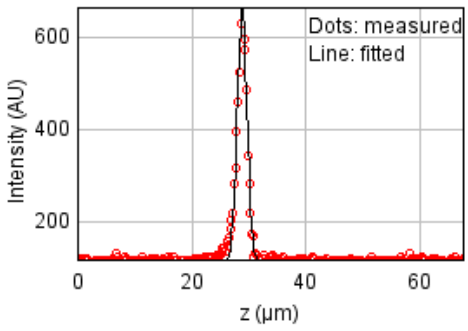




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 714.459 (brightness)
B = 128.219 (background)
a = 0.936 px
b = -0.080 px
c = 0.500 px
xc = 6.330 px
yc = 7.548 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28686.9958
Standard deviation: 9.66659
R^2: 0.98562
Parameters:
a = 115.11463
b = 665.15203
c = 28.89511
d = 0.84374

Bead 1439

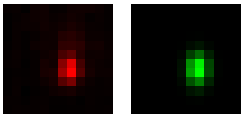
Date : Mon Oct 17 13:52:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

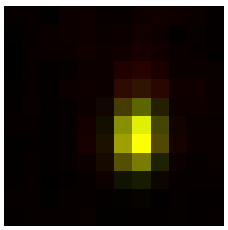
Coordinates : 65.3 um (x), 32.8 um (y), 28.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	409 nm	270 nm
max	585 nm	609 nm	270 nm
z	1.97 um	1.97 um	1.3 um
Asymmetry	0.671		
Theta	88.2°		

XY profile & fitting parameters :

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

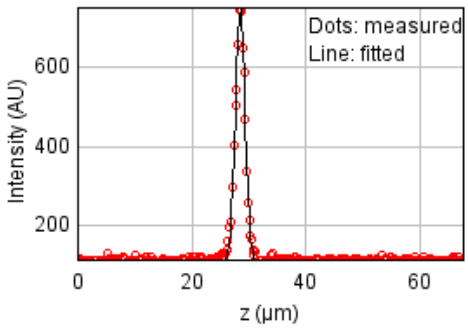




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 664.585 (brightness)
B = 125.507 (background)
a = 0.871 px
b = 0.015 px
c = 0.393 px
xc = 6.779 px
yc = 6.589 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22989.5053
Standard deviation: 8.65358
R^2: 0.99131
Parameters:
a = 113.33321
b = 751.79815
c = 28.57278
d = 0.83461

Bead 1440

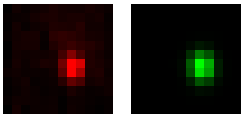
Date : Mon Oct 17 13:52:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

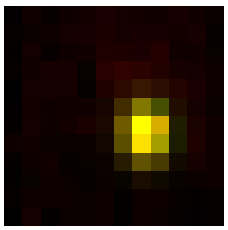
Coordinates : 131 um (x), 13.5 um (y), 27.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	551 nm	574 nm	270 nm
z	2.23 um	2.24 um	1.3 um
Asymmetry	0.787		
Theta	-87.4°		

XY profile & fitting parameters :

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

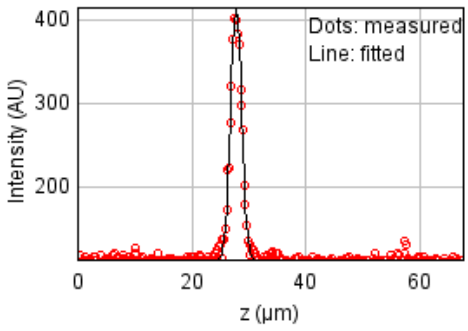




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.942

Parameters:
A = 338.763 (brightness)
B = 116.319 (background)
a = 0.713 px
b = -0.012 px
c = 0.443 px
xc = 7.235 px
yc = 6.362 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 11467.7467
Standard deviation: 6.11181
R^2: 0.98330
Parameters:
a = 111.27123
b = 416.22415
c = 27.84151
d = 0.94817

Bead 1441

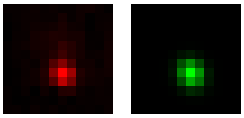
Date : Mon Oct 17 13:52:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

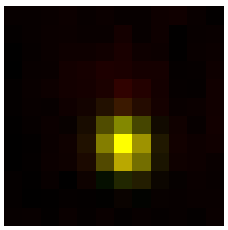
Coordinates : 67.6 um (x), -41.7 um (y), 28.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	451 nm	470 nm	270 nm
max	520 nm	541 nm	270 nm
z	1.94 um	1.95 um	1.3 um
Asymmetry	0.867		
Theta	-64.8°		

XY profile & fitting parameters :

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

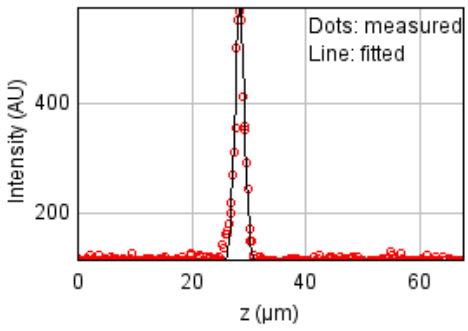




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

Parameters:
A = 458.180 (brightness)
B = 121.960 (background)
a = 0.630 px
b = -0.063 px
c = 0.526 px
xc = 6.071 px
yc = 7.111 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 39234.3758
Standard deviation: 11.30483
R^2: 0.97237
Parameters:
a = 113.37048
b = 579.18767
c = 28.48464
d = 0.82562

Bead 1442

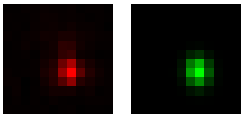
Date : Mon Oct 17 13:52:18 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

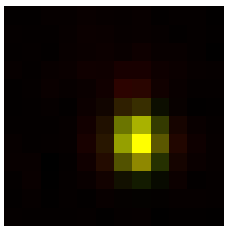
Coordinates : 8.54 um (x), -45.2 um (y), 28.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	434 nm	270 nm
max	521 nm	543 nm	270 nm
z	1.9 um	1.91 um	1.3 um
Asymmetry	0.799		
Theta	-85.4°		

XY profile & fitting parameters :

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

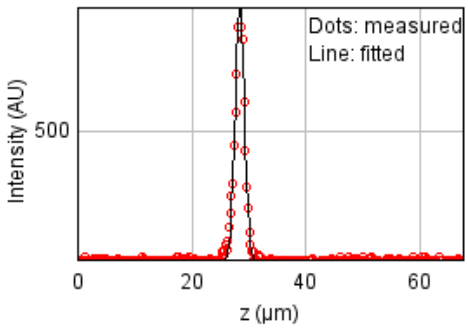




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

Parameters:
A = 753.983 (brightness)
B = 126.061 (background)
a = 0.773 px
b = -0.022 px
c = 0.496 px
xc = 6.798 px
yc = 6.855 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32231.9325
Standard deviation: 10.24646
R^2: 0.99109
Parameters:
a = 114.96090
b = 873.65740
c = 28.49450
d = 0.80735

Bead 1443 (Rejected)

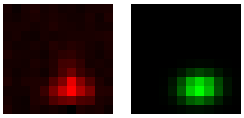
Date : Mon Oct 17 13:52:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

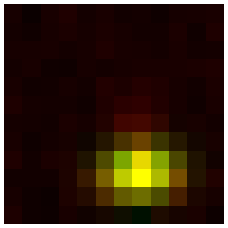
Coordinates : 5.49 um (x), -49.8 um (y), 24.8 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	512 nm	533 nm	270 nm
max	701 nm	730 nm	270 nm
z	3.25 um	3.27 um	1.3 um
Asymmetry	0.73		
Theta	4.6°		

XY profile & fitting parameters :

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

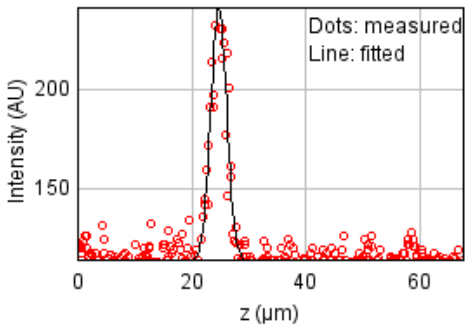




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.929

Parameters:
A = 334.707 (brightness)
B = 123.745 (background)
a = 0.275 px
b = 0.019 px
c = 0.510 px
xc = 6.934 px
yc = 8.665 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 19387.0085
Standard deviation: 7.94669
R^2: 0.89720
Parameters:
a = 113.63967
b = 241.64093
c = 24.80706
d = 1.38162

Bead 1444

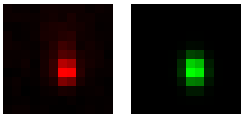
Date : Mon Oct 17 13:52:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

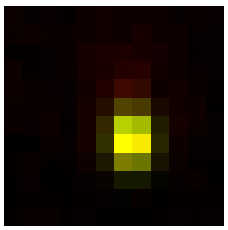
Coordinates : 125 um (x), -55.3 um (y), 28.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	406 nm	270 nm
max	540 nm	563 nm	270 nm
z	2.31 um	2.32 um	1.3 um
Asymmetry	0.722		
Theta	-88.2°		

XY profile & fitting parameters :

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

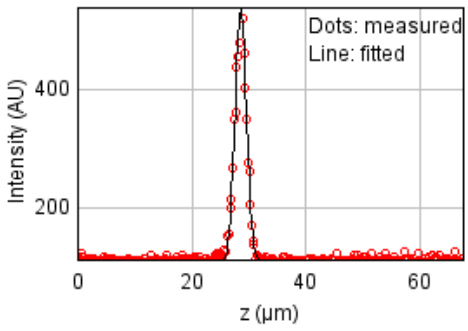




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.944

Parameters:
A = 535.215 (brightness)
B = 120.101 (background)
a = 0.883 px
b = -0.013 px
c = 0.460 px
xc = 6.449 px
yc = 6.736 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18281.1668
Standard deviation: 7.71672
R^2: 0.98694
Parameters:
a = 111.11677
b = 540.54810
c = 28.66281
d = 0.97981

Bead 1445

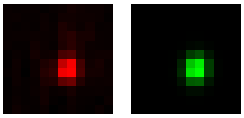
Date : Mon Oct 17 13:52:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

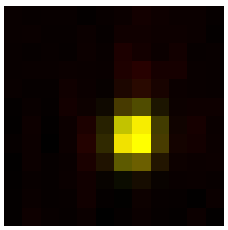
Coordinates : -112 um (x), -68.0 um (y), 28.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	505 nm	526 nm	270 nm
z	2.23 um	2.24 um	1.3 um
Asymmetry	0.814		
Theta	82.0°		

XY profile & fitting parameters :

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

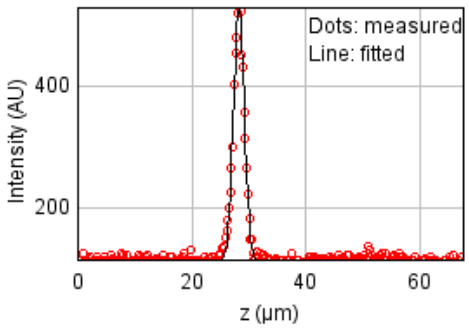




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 563.977 (brightness)
B = 120.239 (background)
a = 0.789 px
b = 0.037 px
c = 0.532 px
xc = 6.597 px
yc = 6.598 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17925.6812
Standard deviation: 7.64132
R^2: 0.98576
Parameters:
a = 114.16302
b = 528.25287
c = 28.34136
d = 0.94526

Bead 1446

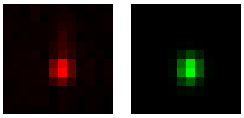
Date : Mon Oct 17 13:52:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

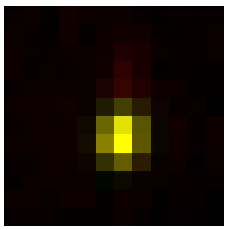
Coordinates : -116 um (x), -84.3 um (y), 28.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	486 nm	506 nm	270 nm
z	2.29 um	2.3 um	1.3 um
Asymmetry	0.797		
Theta	82.0°		

XY profile & fitting parameters :

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

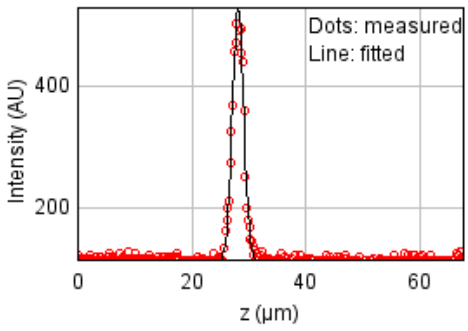




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 467.011 (brightness)
B = 117.836 (background)
a = 0.888 px
b = 0.045 px
c = 0.575 px
xc = 5.913 px
yc = 6.612 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19941.7101
Standard deviation: 8.05957
R^2: 0.98485
Parameters:
a = 112.32879
b = 529.67468
c = 28.18517
d = 0.97363

Bead 1447

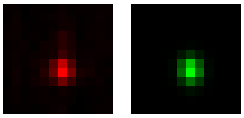
Date : Mon Oct 17 13:52:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

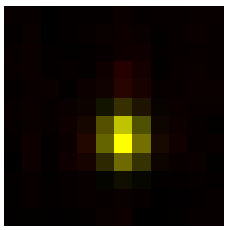
Coordinates : -50.4 um (x), -94.0 um (y), 28.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	482 nm	502 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.81		
Theta	-85.8°		

XY profile & fitting parameters :

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

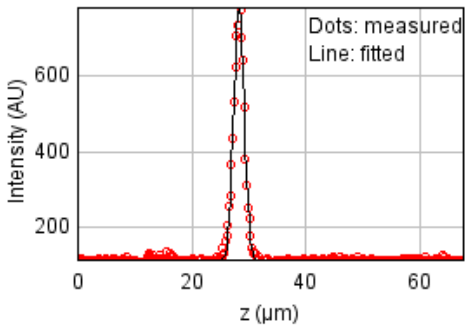




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 701.623 (brightness)
B = 123.344 (background)
a = 0.878 px
b = -0.022 px
c = 0.578 px
xc = 6.021 px
yc = 6.738 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22986.3513
Standard deviation: 8.65298
R^2: 0.99266
Parameters:
a = 113.84071
b = 778.39662
c = 28.34889
d = 0.91815

Bead 1448 (Rejected)

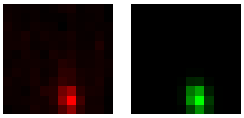
Date : Mon Oct 17 13:52:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

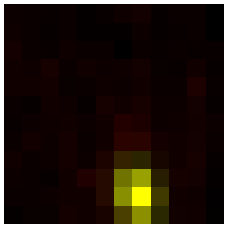
Coordinates : -89.6 um (x), 88.8 um (y), 26.2 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	355 nm	370 nm	270 nm
max	522 nm	544 nm	270 nm
z	3.36 um	3.38 um	1.3 um
Asymmetry	0.68		
Theta	-78.0°		

XY profile & fitting parameters :

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

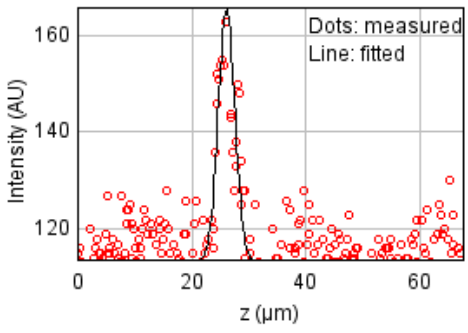




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 405.695 (brightness)
B = 121.592 (background)
a = 1.037 px
b = -0.116 px
c = 0.517 px
xc = 6.766 px
yc = 9.889 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15112.2013
Standard deviation: 7.01608
R^2: 0.65727
Parameters:
a = 113.43122
b = 165.59440
c = 26.17766
d = 1.42880

Bead 1449

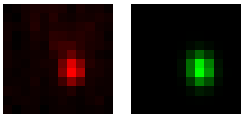
Date : Mon Oct 17 13:52:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

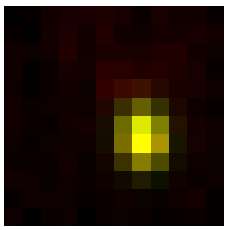
Coordinates : 49.1 um (x), 86.2 um (y), 28.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	576 nm	600 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.759		
Theta	-84.0°		

XY profile & fitting parameters :

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

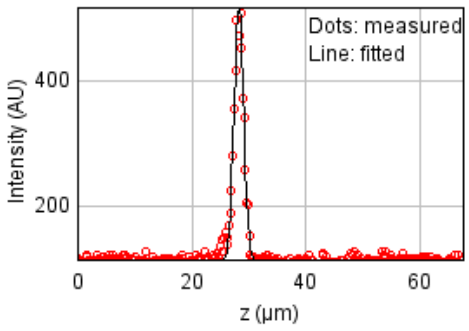




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.930

Parameters:
A = 369.945 (brightness)
B = 120.545 (background)
a = 0.699 px
b = -0.031 px
c = 0.407 px
xc = 7.090 px
yc = 6.615 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21226.5389
Standard deviation: 8.31516
R^2: 0.97987
Parameters:
a = 114.07027
b = 515.64398
c = 28.32372
d = 0.83126

Bead 1450

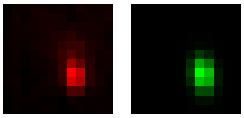
Date : Mon Oct 17 13:52:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

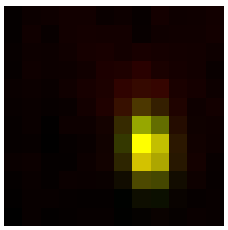
Coordinates : 52.4 um (x), 86.3 um (y), 28.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	627 nm	653 nm	270 nm
z	2.23 um	2.24 um	1.3 um
Asymmetry	0.613		
Theta	-83.1°		

XY profile & fitting parameters :

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

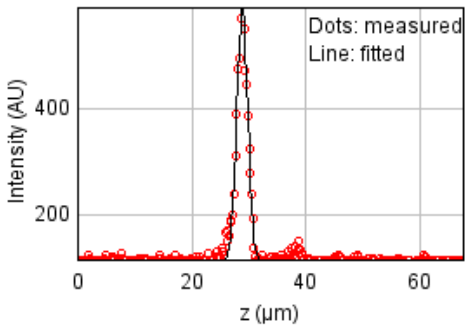




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.936

Parameters:
A = 560.857 (brightness)
B = 126.214 (background)
a = 0.903 px
b = -0.068 px
c = 0.350 px
xc = 7.352 px
yc = 7.174 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31600.9472
Standard deviation: 10.14567
R^2: 0.98121
Parameters:
a = 114.80397
b = 592.00729
c = 28.91986
d = 0.94615

Bead 1451

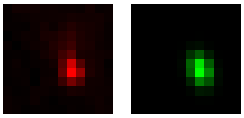
Date : Mon Oct 17 13:52:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

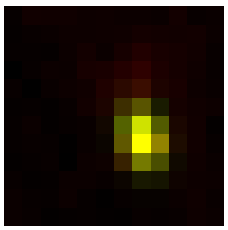
Coordinates : 64.3 um (x), 67.9 um (y), 29.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	576 nm	600 nm	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.671		
Theta	-76.1°		

XY profile & fitting parameters :

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

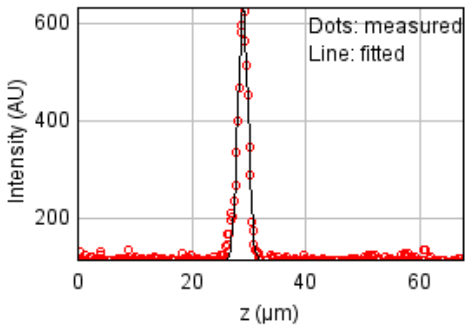




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.936

Parameters:
A = 549.921 (brightness)
B = 124.942 (background)
a = 0.870 px
b = -0.115 px
c = 0.433 px
xc = 7.069 px
yc = 6.663 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35625.9406
Standard deviation: 10.77244
R^2: 0.98084
Parameters:
a = 115.20738
b = 632.37871
c = 29.05226
d = 0.88759

Bead 1452 (Rejected)

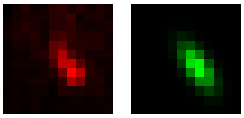
Date : Mon Oct 17 13:52:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

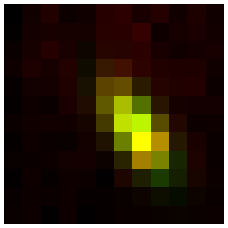
Coordinates : 107 um (x), 62.5 um (y), 28.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	418 nm	270 nm
max	890 nm	927 nm	270 nm
z	2.56 um	2.57 um	1.3 um
Asymmetry	0.451		
Theta	-57.1°		

XY profile & fitting parameters :

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

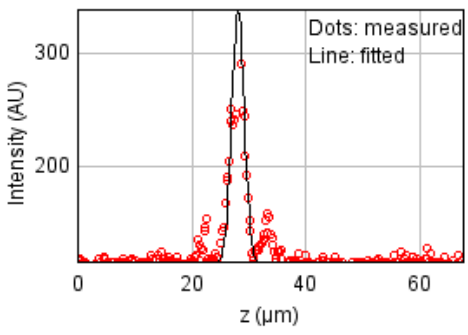




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.887

Parameters:
A = 286.952 (brightness)
B = 121.218 (background)
a = 0.636 px
b = -0.302 px
c = 0.365 px
xc = 6.727 px
yc = 6.330 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47193.2455
Standard deviation: 12.39855
R^2: 0.89723
Parameters:
a = 114.90960
b = 338.42845
c = 28.17422
d = 1.08526

Bead 1453

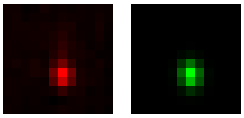
Date : Mon Oct 17 13:52:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

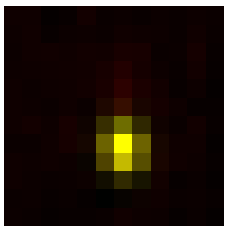
Coordinates : -101 um (x), 44.7 um (y), 28.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	376 nm	391 nm	270 nm
max	480 nm	500 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.782		
Theta	-83.6°		

XY profile & fitting parameters :

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

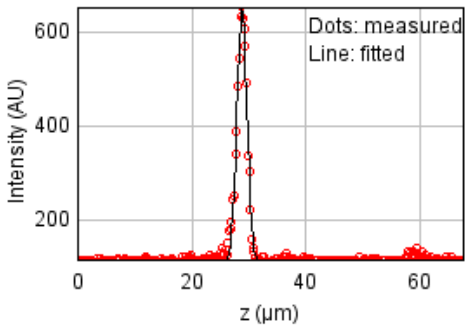




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 551.545 (brightness)
B = 123.480 (background)
a = 0.947 px
b = -0.041 px
c = 0.586 px
xc = 6.009 px
yc = 7.230 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27786.9902
Standard deviation: 9.51375
R^2: 0.98586
Parameters:
a = 113.76988
b = 652.35551
c = 28.87891
d = 0.86822

Bead 1454

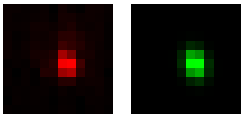
Date : Mon Oct 17 13:52:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

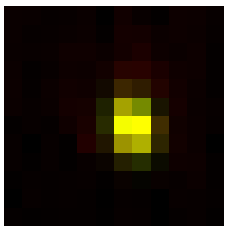
Coordinates : -44.8 um (x), 11.3 um (y), 28.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	531 nm	553 nm	270 nm
z	2.21 um	2.22 um	1.3 um
Asymmetry	0.73		
Theta	-78.0°		

XY profile & fitting parameters :

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

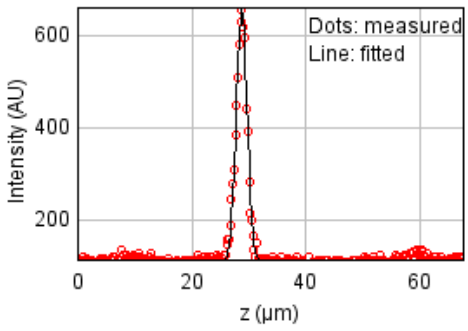




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 675.681 (brightness)
B = 123.600 (background)
a = 0.876 px
b = -0.085 px
c = 0.494 px
xc = 6.510 px
yc = 6.038 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37666.0088
Standard deviation: 11.07658
R^2: 0.98266
Parameters:
a = 115.34373
b = 660.34331
c = 28.82744
d = 0.93809

Bead 1455 (Rejected)

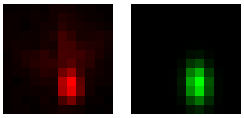
Date : Mon Oct 17 13:52:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

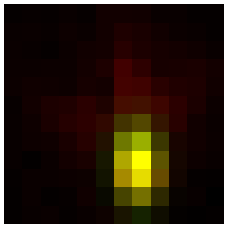
Coordinates : -7.53 um (x), -9.83 um (y), 30.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	716 nm	746 nm	270 nm
z	4.96 um	4.98 um	1.3 um
Asymmetry	0.583		
Theta	-87.7°		

XY profile & fitting parameters :

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

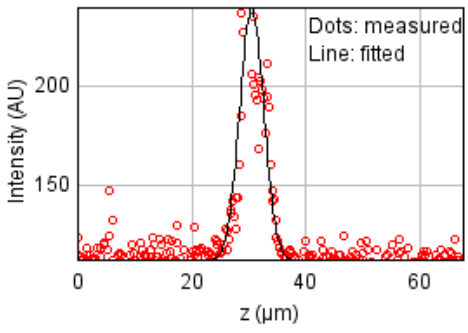




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.891

Parameters:
A = 493.191 (brightness)
B = 136.742 (background)
a = 0.769 px
b = -0.021 px
c = 0.263 px
xc = 6.781 px
yc = 8.199 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 1456

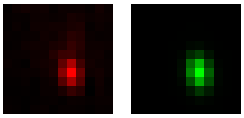
Date : Mon Oct 17 13:52:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

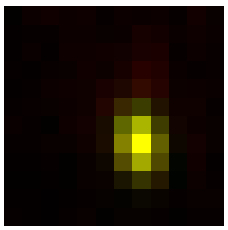
Coordinates : 86.2 um (x), -14.6 um (y), 28.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	600 nm	625 nm	270 nm
z	3.02 um	3.03 um	1.3 um
Asymmetry	0.667		
Theta	-82.4°		

XY profile & fitting parameters :

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

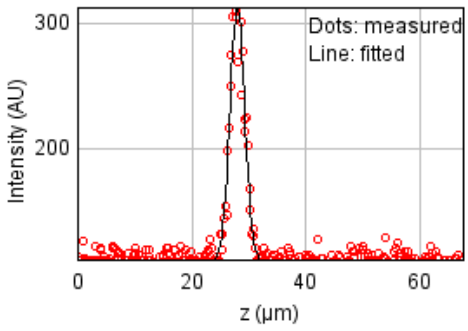




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

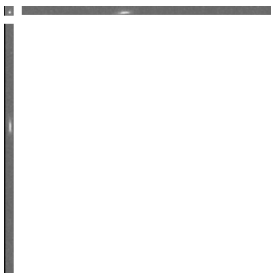
Parameters:
A = 477.012 (brightness)
B = 123.481 (background)
a = 0.829 px
b = -0.061 px
c = 0.381 px
xc = 6.905 px
yc = 6.939 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20968.3050
Standard deviation: 8.26442
R^2: 0.94858
Parameters:
a = 112.04010
b = 312.40773
c = 28.05357
d = 1.28196

Bead 1457 (Rejected)



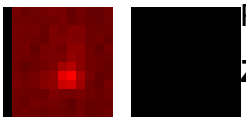
Date : Mon Oct 17 13:52:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -164 um (x), -34.1 um (y), 27.9 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	2.35 um	2.36 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

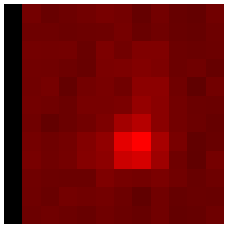
XY profile & fitting parameters :

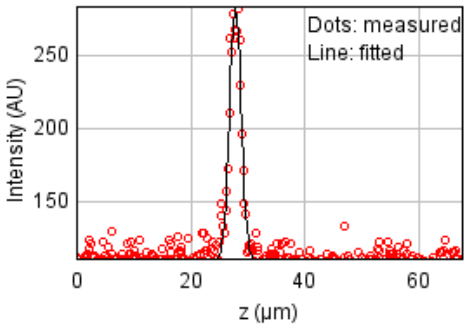
(red : the orignal data, green : the fit, yellow : the two merged)



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: 17823.3824
Standard deviation: 7.61949
R^2: 0.92711
Parameters:
a = 111.01265
b = 283.58729
c = 27.88524
d = 0.99686

Bead 1458

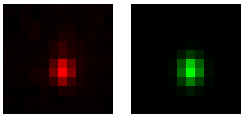
Date : Mon Oct 17 13:52:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

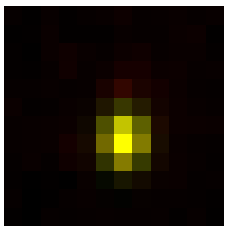
Coordinates : -91.5 um (x), -74.4 um (y), 28.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	517 nm	539 nm	270 nm
z	2.22 um	2.23 um	1.3 um
Asymmetry	0.787		
Theta	88.6°		

XY profile & fitting parameters :

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

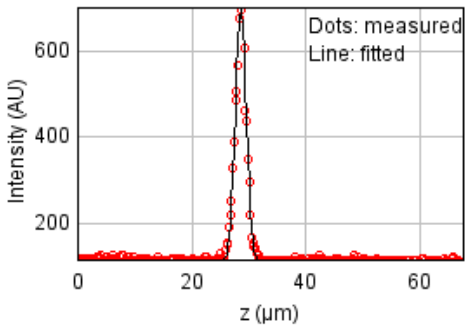




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 588.810 (brightness)
B = 121.438 (background)
a = 0.810 px
b = 0.008 px
c = 0.502 px
xc = 6.050 px
yc = 6.767 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27859.7104
Standard deviation: 9.52619
R^2: 0.98899
Parameters:
a = 113.20563
b = 701.74275
c = 28.67191
d = 0.94333

Bead 1459

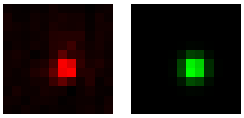
Date : Mon Oct 17 13:52:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

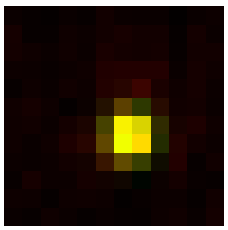
Coordinates : -114 um (x), -95.5 um (y), 28.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	432 nm	450 nm	270 nm
max	459 nm	478 nm	270 nm
z	2.29 um	2.3 um	1.3 um
Asymmetry	0.941		
Theta	83.2°		

XY profile & fitting parameters :

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

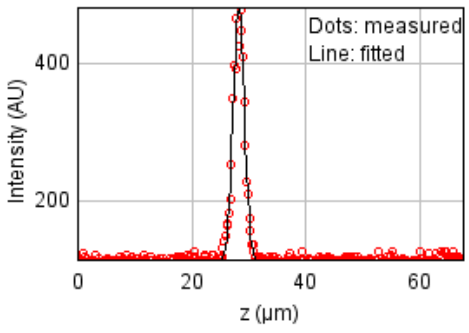




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 428.961 (brightness)
B = 121.617 (background)
a = 0.718 px
b = 0.010 px
c = 0.638 px
xc = 6.397 px
yc = 6.535 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18782.0257
Standard deviation: 7.82172
R^2: 0.98208
Parameters:
a = 111.79142
b = 483.67452
c = 28.31437
d = 0.97359

Bead 1460

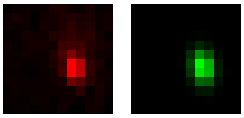
Date : Mon Oct 17 13:52:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

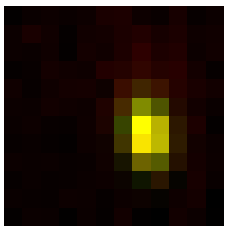
Coordinates : 115 um (x), 95.7 um (y), 28.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	618 nm	644 nm	270 nm
z	2.17 um	2.18 um	1.3 um
Asymmetry	0.642		
Theta	-81.8°		

XY profile & fitting parameters :

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

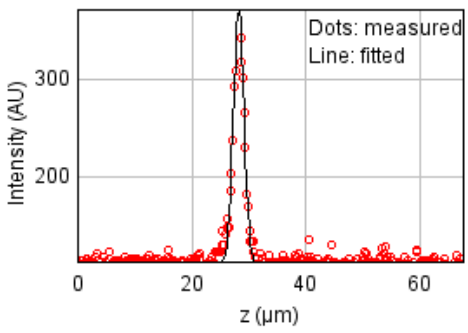




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.930

Parameters:
A = 308.290 (brightness)
B = 118.844 (background)
a = 0.843 px
b = -0.071 px
c = 0.361 px
xc = 7.321 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: 15361.8262
Standard deviation: 7.07379
R^2: 0.96902
Parameters:
a = 111.96773
b = 372.86304
c = 28.29770
d = 0.92039

Bead 1461

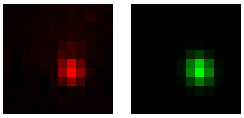
Date : Mon Oct 17 13:52:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

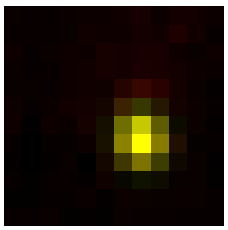
Coordinates : -75.0 um (x), 83.1 um (y), 28.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	514 nm	535 nm	270 nm
z	2.11 um	2.11 um	1.3 um
Asymmetry	0.85		
Theta	-77.8°		

XY profile & fitting parameters :

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

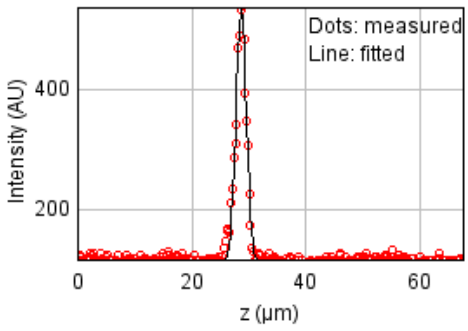




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

Parameters:
A = 447.698 (brightness)
B = 122.121 (background)
a = 0.695 px
b = -0.040 px
c = 0.517 px
xc = 6.967 px
yc = 6.727 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28706.2939
Standard deviation: 9.66984
R^2: 0.97742
Parameters:
a = 114.91966
b = 540.39373
c = 28.73667
d = 0.89397

Bead 1462

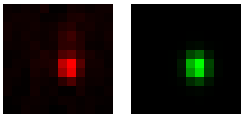
Date : Mon Oct 17 13:52:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

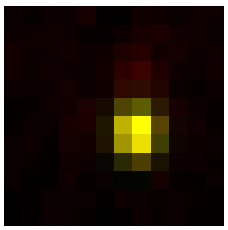
Coordinates : -121 um (x), 60.3 um (y), 28.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	485 nm	505 nm	270 nm
z	2.23 um	2.24 um	1.3 um
Asymmetry	0.821		
Theta	-85.5°		

XY profile & fitting parameters :

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

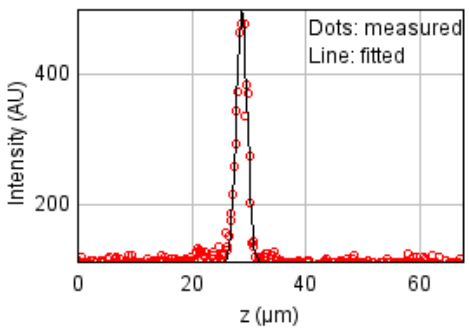




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 422.127 (brightness)
B = 120.366 (background)
a = 0.844 px
b = -0.021 px
c = 0.572 px
xc = 6.722 px
yc = 6.372 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35712.3718
Standard deviation: 10.78550
R^2: 0.96797
Parameters:
a = 112.79180
b = 498.24770
c = 28.84310
d = 0.94862

Bead 1463 (Rejected)

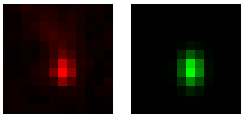
Date : Mon Oct 17 13:52:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

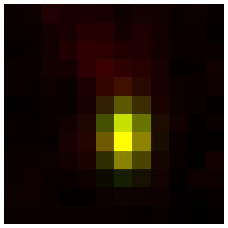
Coordinates : 160 um (x), 50.6 um (y), 29.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	581 nm	606 nm	270 nm
z	3.35 um	3.36 um	1.3 um
Asymmetry	0.688		
Theta	-89.5°		

XY profile & fitting parameters :

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

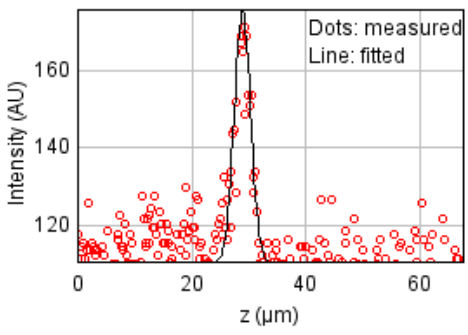




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.889

Parameters:
A = 348.671 (brightness)
B = 121.537 (background)
a = 0.838 px
b = -0.004 px
c = 0.397 px
xc = 6.109 px
yc = 6.666 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18311.6148
Standard deviation: 7.72314
R^2: 0.70754
Parameters:
a = 110.84058
b = 175.48078
c = 28.95983
d = 1.42174

Bead 1464 (Rejected)

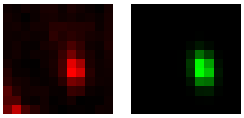
Date : Mon Oct 17 13:52:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

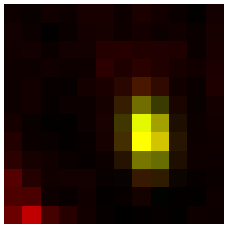
Coordinates : 131 um (x), 48.8 um (y), 28.5 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	369 nm	384 nm	270 nm
max	592 nm	617 nm	270 nm
z	2.28 um	2.29 um	1.3 um
Asymmetry	0.623		
Theta	-81.5°		

XY profile & fitting parameters :

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

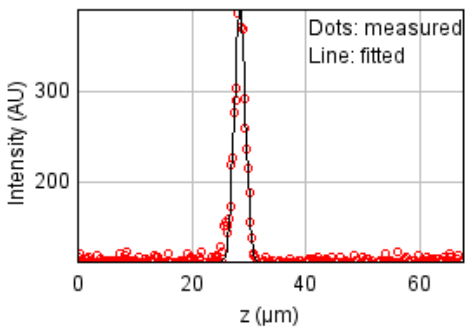




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.729

Parameters:
A = 326.054 (brightness)
B = 127.557 (background)
a = 0.974 px
b = -0.088 px
c = 0.396 px
xc = 7.332 px
yc = 6.608 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17402.2519
Standard deviation: 7.52893
R^2: 0.97078
Parameters:
a = 111.68295
b = 390.81482
c = 28.50233
d = 0.97022

Bead 1465

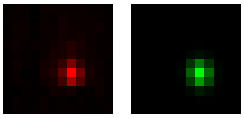
Date : Mon Oct 17 13:52:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

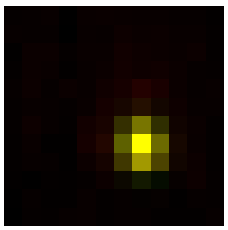
Coordinates : -88.7 um (x), 24.7 um (y), 29.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	395 nm	270 nm
max	456 nm	475 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.833		
Theta	-84.0°		

XY profile & fitting parameters :

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

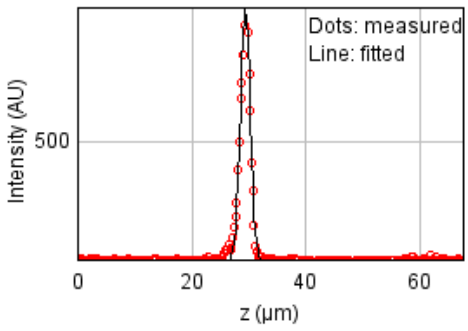




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 841.783 (brightness)
B = 125.035 (background)
a = 0.928 px
b = -0.030 px
c = 0.649 px
xc = 7.028 px
yc = 7.104 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44007.2093
Standard deviation: 11.97272
R^2: 0.99039
Parameters:
a = 113.40807
b = 938.95755
c = 29.44809
d = 0.86543

Bead 1466

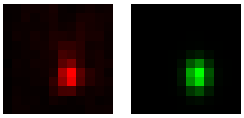
Date : Mon Oct 17 13:52:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

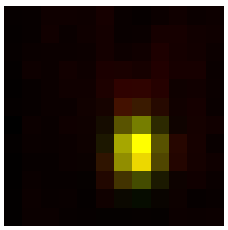
Coordinates : 64.0 um (x), 22.5 um (y), 29.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	433 nm	270 nm
max	555 nm	578 nm	270 nm
z	1.98 um	1.99 um	1.3 um
Asymmetry	0.749		
Theta	89.8°		

XY profile & fitting parameters :

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

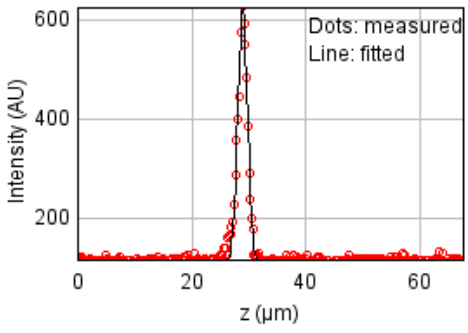




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.934

Parameters:
A = 547.795 (brightness)
B = 125.422 (background)
a = 0.777 px
b = 0.001 px
c = 0.436 px
xc = 6.772 px
yc = 7.307 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26665.0546
Standard deviation: 9.31970
R^2: 0.98457
Parameters:
a = 114.17575
b = 626.40479
c = 28.99020
d = 0.84196

Bead 1467

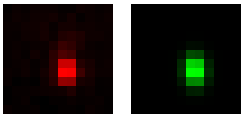
Date : Mon Oct 17 13:52:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

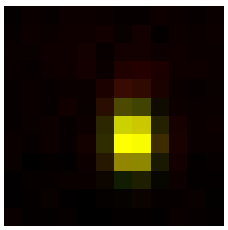
Coordinates : 11.5 um (x), 13.6 um (y), 29.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	562 nm	585 nm	270 nm
z	2.28 um	2.29 um	1.3 um
Asymmetry	0.699		
Theta	-87.7°		

XY profile & fitting parameters :

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

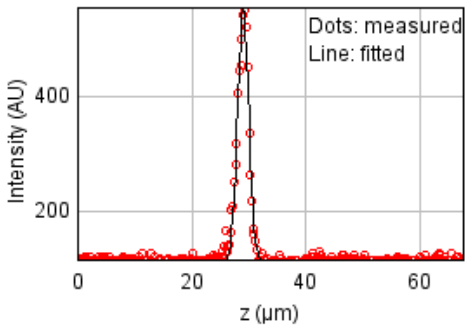




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 541.655 (brightness)
B = 123.102 (background)
a = 0.870 px
b = -0.018 px
c = 0.426 px
xc = 6.487 px
yc = 6.752 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30435.1724
Standard deviation: 9.95678
R^2: 0.97910
Parameters:
a = 115.30336
b = 554.34664
c = 29.08335
d = 0.96706

Bead 1468

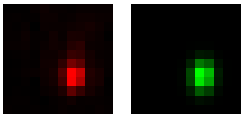
Date : Mon Oct 17 13:52:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

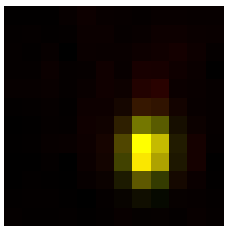
Coordinates : 30.9 um (x), -30.3 um (y), 29.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	557 nm	580 nm	270 nm
z	2.07 um	2.08 um	1.3 um
Asymmetry	0.732		
Theta	86.7°		

XY profile & fitting parameters :

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

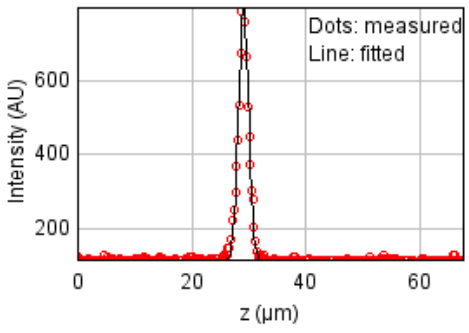




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 820.917 (brightness)
B = 128.350 (background)
a = 0.806 px
b = 0.021 px
c = 0.434 px
xc = 7.297 px
yc = 7.368 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29070.5689
Standard deviation: 9.73100
R^2: 0.99097
Parameters:
a = 113.44887
b = 800.50657
c = 29.14747
d = 0.87884

Bead 1469

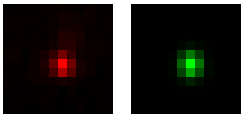
Date : Mon Oct 17 13:52:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

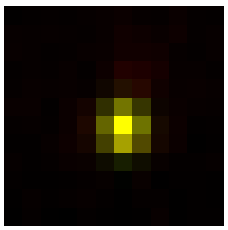
Coordinates : -75.2 um (x), -33.6 um (y), 29.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	465 nm	484 nm	270 nm
z	2.12 um	2.12 um	1.3 um
Asymmetry	0.847		
Theta	-89.5°		

XY profile & fitting parameters :

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

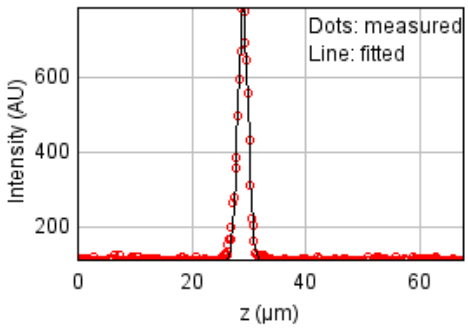




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 682.274 (brightness)
B = 124.286 (background)
a = 0.864 px
b = -0.002 px
c = 0.620 px
xc = 6.037 px
yc = 6.128 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29433.3272
Standard deviation: 9.79153
R^2: 0.99064
Parameters:
a = 114.19767
b = 786.39657
c = 29.04837
d = 0.89819

Bead 1470

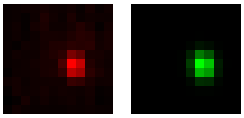
Date : Mon Oct 17 13:52:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

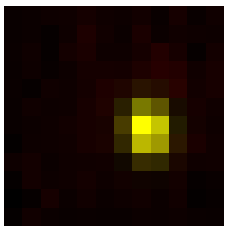
Coordinates : -162 um (x), -53.8 um (y), 28.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	411 nm	270 nm
max	500 nm	521 nm	270 nm
z	2.08 um	2.09 um	1.3 um
Asymmetry	0.788		
Theta	-82.0°		

XY profile & fitting parameters :

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

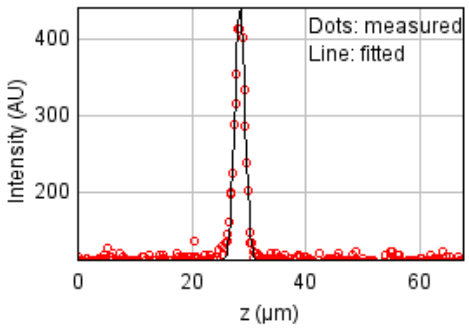




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 377.389 (brightness)
B = 117.667 (background)
a = 0.856 px
b = -0.045 px
c = 0.543 px
xc = 7.358 px
yc = 6.220 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16660.6352
Standard deviation: 7.36676
R^2: 0.97799
Parameters:
a = 111.00356
b = 441.30371
c = 28.51934
d = 0.88323

Bead 1471 (Rejected)

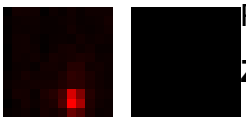
Date : Mon Oct 17 13:52:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -122 um (x), 63.2 um (y), 26.9 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	2.99 um	3.0 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

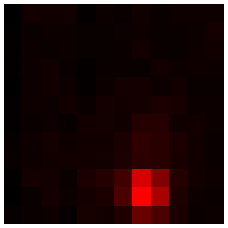
XY profile & fitting parameters :

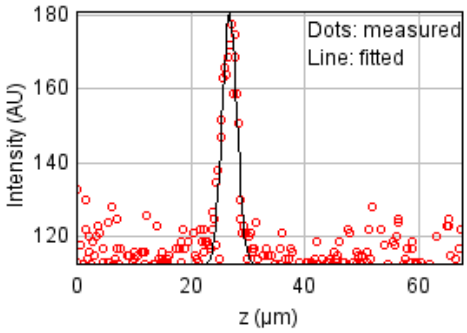
(red : the orignal data, green : the fit, yellow : the two merged)



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: 12626.2101
Standard deviation: 6.41309
R^2: 0.78030
Parameters:
a = 112.39365
b = 180.95506
c = 26.87545
d = 1.26829

Bead 1472 (Rejected)

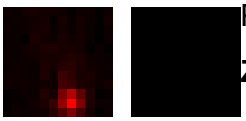
Date : Mon Oct 17 13:52:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 96.6 um (x), 48.5 um (y), 26.1 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	3.38 um	3.39 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

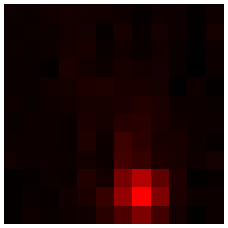
XY profile & fitting parameters :

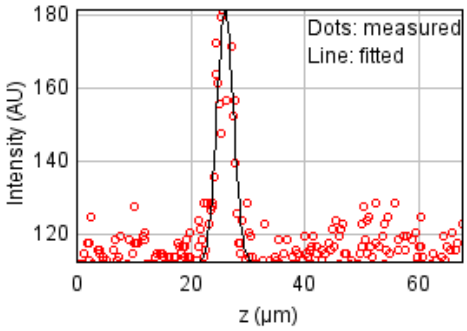
(red : the orignal data, green : the fit, yellow : the two merged)



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: 15032.2079
Standard deviation: 6.99749
R^2: 0.77295
Parameters:
a = 112.49360
b = 181.67719
c = 26.11924
d = 1.43476

Bead 1473

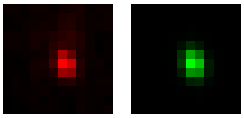
Date : Mon Oct 17 13:52:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

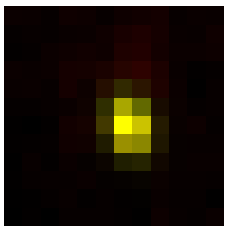
Coordinates : 20.3 um (x), 43.5 um (y), 29.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	400 nm	270 nm
max	533 nm	555 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.721		
Theta	-76.0°		

XY profile & fitting parameters :

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

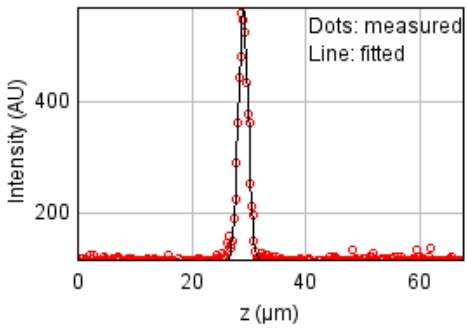




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 478.110 (brightness)
B = 120.359 (background)
a = 0.882 px
b = -0.102 px
c = 0.497 px
xc = 6.348 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: 18217.9633
Standard deviation: 7.70337
R^2: 0.98701
Parameters:
a = 113.12278
b = 572.74774
c = 29.09705
d = 0.85112

Bead 1474

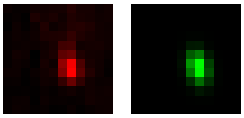
Date : Mon Oct 17 13:52:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

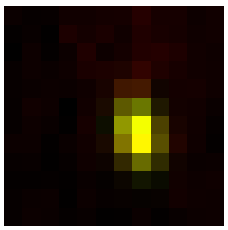
Coordinates : 134 um (x), 40.7 um (y), 28.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	372 nm	387 nm	270 nm
max	597 nm	622 nm	270 nm
z	2.21 um	2.22 um	1.3 um
Asymmetry	0.623		
Theta	-78.4°		

XY profile & fitting parameters :

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

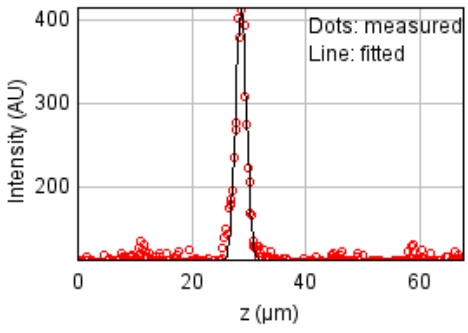




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.931

Parameters:
A = 330.459 (brightness)
B = 118.246 (background)
a = 0.947 px
b = -0.117 px
c = 0.400 px
xc = 6.825 px
yc = 6.405 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23958.8824
Standard deviation: 8.83414
R^2: 0.96485
Parameters:
a = 113.08759
b = 415.71477
c = 28.71912
d = 0.93734

Bead 1475 (Rejected)

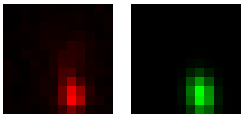
Date : Mon Oct 17 13:52:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

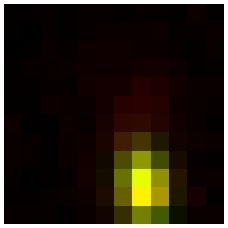
Coordinates : 28.2 um (x), 13.4 um (y), 25.1 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	697 nm	726 nm	270 nm
z	2.97 um	2.99 um	1.3 um
Asymmetry	0.629		
Theta	-82.6°		

XY profile & fitting parameters :

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

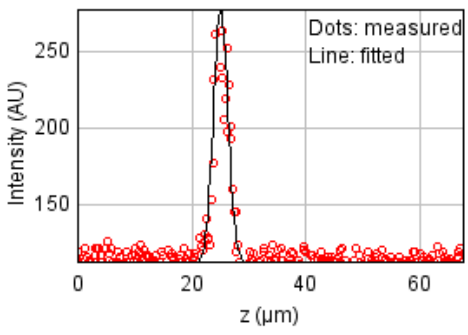




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.944

Parameters:
A = 504.611 (brightness)
B = 122.761 (background)
a = 0.691 px
b = -0.054 px
c = 0.283 px
xc = 7.118 px
yc = 9.420 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35707.9704
Standard deviation: 10.78483
R^2: 0.87868
Parameters:
a = 112.78716
b = 277.77630
c = 25.14677
d = 1.26263

Bead 1476

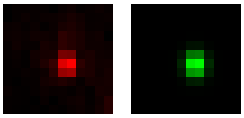
Date : Mon Oct 17 13:52:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

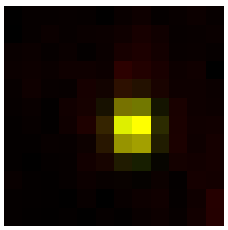
Coordinates : -28.7 um (x), -5.19 um (y), 29.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	397 nm	270 nm
max	469 nm	489 nm	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.813		
Theta	-88.7°		

XY profile & fitting parameters :

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

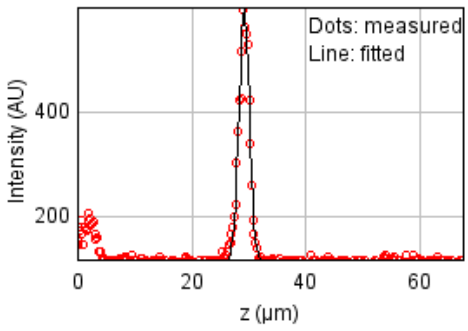




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.944

Parameters:
A = 587.264 (brightness)
B = 130.266 (background)
a = 0.922 px
b = -0.007 px
c = 0.610 px
xc = 6.536 px
yc = 6.112 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 94464.3691
Standard deviation: 17.54142
R^2: 0.94464
Parameters:
a = 118.02697
b = 599.93278
c = 29.25719
d = 0.90438

Bead 1477

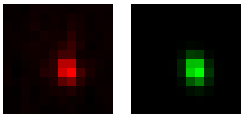
Date : Mon Oct 17 13:52:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

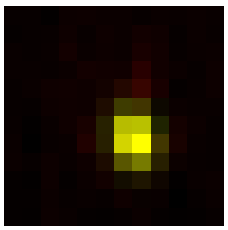
Coordinates : -15.5 um (x), -15.7 um (y), 29.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	523 nm	545 nm	270 nm
z	2.11 um	2.12 um	1.3 um
Asymmetry	0.747		
Theta	-77.8°		

XY profile & fitting parameters :

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

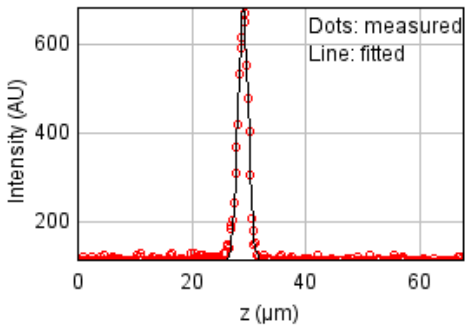




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 698.336 (brightness)
B = 124.655 (background)
a = 0.862 px
b = -0.081 px
c = 0.508 px
xc = 6.581 px
yc = 6.710 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28741.4475
Standard deviation: 9.67576
R^2: 0.98729
Parameters:
a = 114.39648
b = 684.00587
c = 29.07026
d = 0.89598

Bead 1478

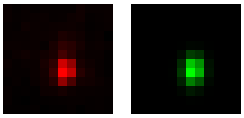
Date : Mon Oct 17 13:52:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

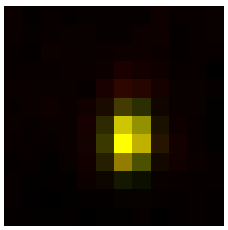
Coordinates : -21.5 um (x), -19.6 um (y), 29.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	378 nm	393 nm	270 nm
max	529 nm	551 nm	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.714		
Theta	86.2°		

XY profile & fitting parameters :

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

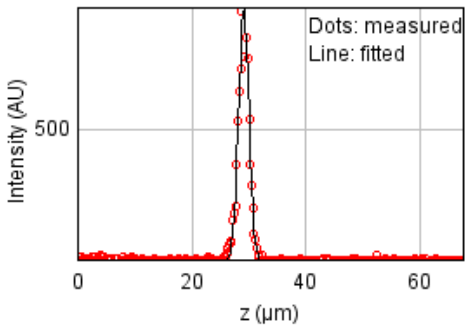




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 854.655 (brightness)
B = 127.688 (background)
a = 0.940 px
b = 0.030 px
c = 0.482 px
xc = 6.310 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: 40164.4293
Standard deviation: 11.43804
R^2: 0.98968
Parameters:
a = 114.26620
b = 858.62236
c = 29.17746
d = 0.90602

Bead 1479

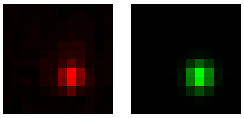
Date : Mon Oct 17 13:52:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

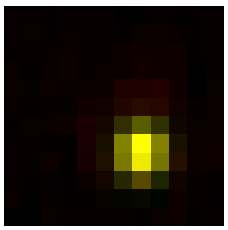
Coordinates : -38.7 um (x), -20.4 um (y), 29.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	441 nm	460 nm	270 nm
max	495 nm	515 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.892		
Theta	87.6°		

XY profile & fitting parameters :

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

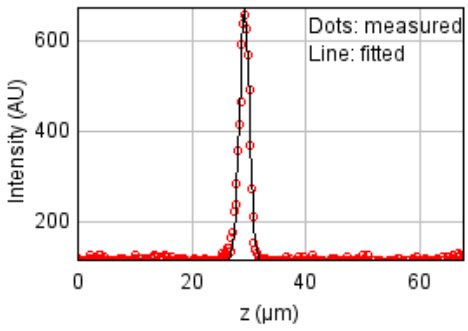




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 583.695 (brightness)
B = 124.446 (background)
a = 0.689 px
b = 0.006 px
c = 0.548 px
xc = 6.993 px
yc = 7.428 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25543.6181
Standard deviation: 9.12162
R^2: 0.98783
Parameters:
a = 114.26758
b = 673.08195
c = 29.30065
d = 0.86298

Bead 1480

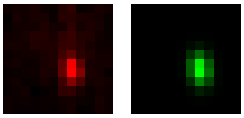
Date : Mon Oct 17 13:52:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

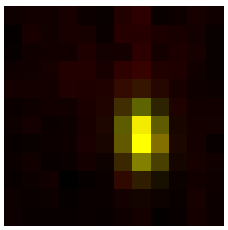
Coordinates : 139 um (x), -22.0 um (y), 28.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	375 nm	390 nm	270 nm
max	595 nm	620 nm	270 nm
z	2.17 um	2.18 um	1.3 um
Asymmetry	0.63		
Theta	-83.8°		

XY profile & fitting parameters :

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

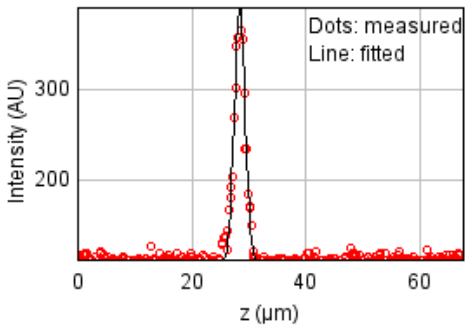




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.923

Parameters:
A = 298.432 (brightness)
B = 117.078 (background)
a = 0.948 px
b = -0.062 px
c = 0.386 px
xc = 7.036 px
yc = 6.607 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15994.0333
Standard deviation: 7.21788
R^2: 0.97209
Parameters:
a = 110.70358
b = 391.43985
c = 28.48376
d = 0.92173

Bead 1481

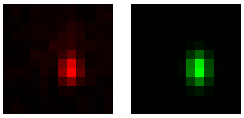
Date : Mon Oct 17 13:52:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

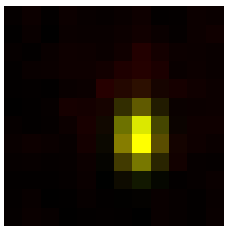
Coordinates : 130 um (x), -52.2 um (y), 28.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	375 nm	390 nm	270 nm
max	562 nm	585 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.667		
Theta	-89.7°		

XY profile & fitting parameters :

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

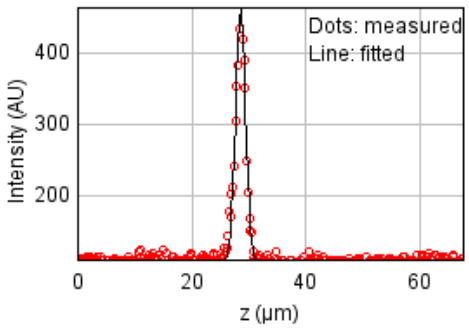




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 395.466 (brightness)
B = 117.566 (background)
a = 0.955 px
b = -0.003 px
c = 0.425 px
xc = 6.874 px
yc = 6.609 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19008.4936
Standard deviation: 7.86873
R^2: 0.97727
Parameters:
a = 110.81298
b = 462.01553
c = 28.63365
d = 0.86132

Bead 1482

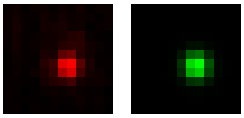
Date : Mon Oct 17 13:52:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

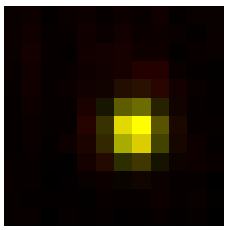
Coordinates : -29.8 um (x), -54.5 um (y), 29.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	454 nm	473 nm	270 nm
max	497 nm	518 nm	270 nm
z	2.03 um	2.03 um	1.3 um
Asymmetry	0.913		
Theta	-86.9°		

XY profile & fitting parameters :

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

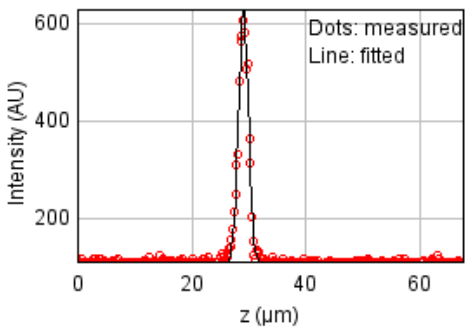




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 560.349 (brightness)
B = 122.334 (background)
a = 0.650 px
b = -0.006 px
c = 0.543 px
xc = 6.630 px
yc = 6.290 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27000.0827
Standard deviation: 9.37807
R^2: 0.98499
Parameters:
a = 112.52241
b = 629.76579
c = 29.13277
d = 0.86065

Bead 1483

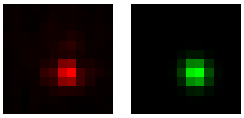
Date : Mon Oct 17 13:52:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

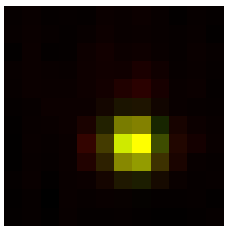
Coordinates : -30.0 um (x), -72.5 um (y), 29.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	453 nm	472 nm	270 nm
max	482 nm	502 nm	270 nm
z	1.95 um	1.96 um	1.3 um
Asymmetry	0.941		
Theta	-68.2°		

XY profile & fitting parameters :

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

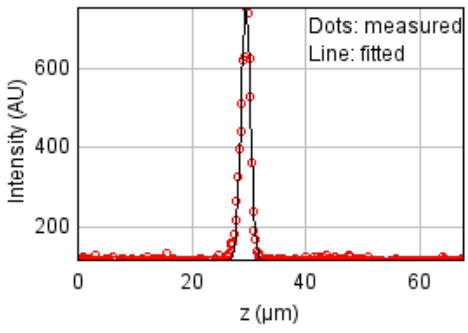




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

Parameters:
A = 670.630 (brightness)
B = 125.610 (background)
a = 0.642 px
b = -0.026 px
c = 0.588 px
xc = 6.573 px
yc = 7.063 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56465.5025
Standard deviation: 13.56196
R^2: 0.97892
Parameters:
a = 114.23529
b = 754.70801
c = 29.52445
d = 0.82955

Bead 1484

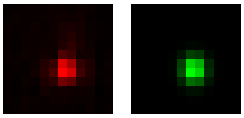
Date : Mon Oct 17 13:52:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

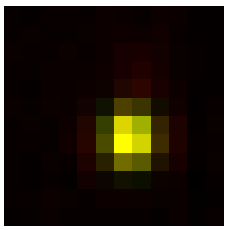
Coordinates : -38.9 um (x), -92.4 um (y), 29.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.22 um	2.22 um	1.3 um
Asymmetry	0.859		
Theta	-89.8°		

XY profile & fitting parameters :

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

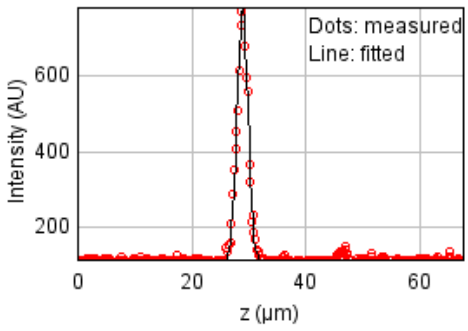




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 787.583 (brightness)
B = 125.992 (background)
a = 0.704 px
b = -0.001 px
c = 0.520 px
xc = 6.365 px
yc = 6.675 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41993.5956
Standard deviation: 11.69560
R^2: 0.98693
Parameters:
a = 114.90311
b = 778.22633
c = 28.97331
d = 0.94074

Bead 1485 (Rejected)

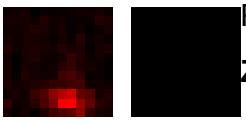
Date : Mon Oct 17 13:52:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -135 um (x), -93.4 um (y), 26.5 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	3.08 um	3.1 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

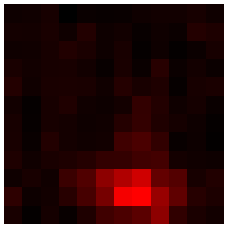
XY profile & fitting parameters :

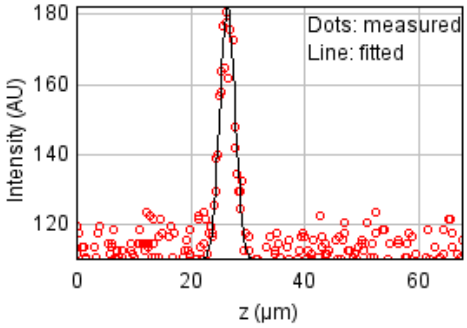
(red : the orignal data, green : the fit, yellow : the two merged)



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: 11612.8074
Standard deviation: 6.15034
R^2: 0.81439
Parameters:
a = 110.27856
b = 182.29349
c = 26.51238
d = 1.30917

Bead 1486 (Rejected)

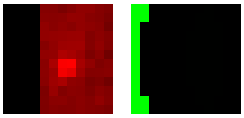
Date : Mon Oct 17 13:52:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

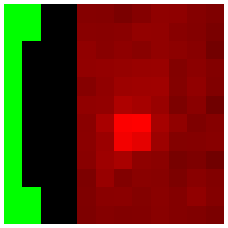
Coordinates : -164 um (x), 79.4 um (y), 28.3 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	2.0 um	2.09 um	270 nm
max	5.36 um	5.58 um	270 nm
z	2.11 um	2.11 um	1.3 um
Asymmetry	0.373		
Theta	89.6°		

XY profile & fitting parameters :

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

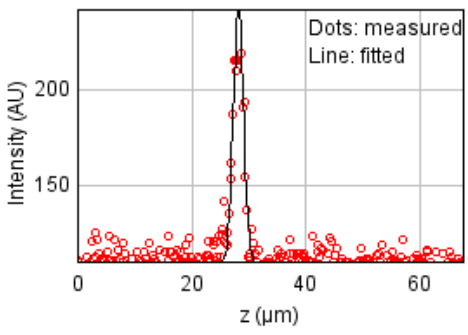




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.808

Parameters:
A = 196.226 (brightness)
B = -41.719 (background)
a = 0.033 px
b = 0.000 px
c = 0.005 px
xc = 7.676 px
yc = 5.471 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14402.3754
Standard deviation: 6.84933
R^2: 0.89318
Parameters:
a = 109.88637
b = 242.33008
c = 28.25108
d = 0.89395

Bead 1487 (Rejected)

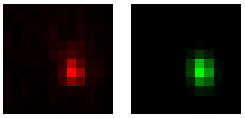
Date : Mon Oct 17 13:52:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

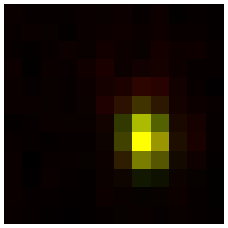
Coordinates : -5.67 um (x), 58.4 um (y), 49.7 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	376 nm	391 nm	270 nm
max	520 nm	541 nm	270 nm
z	1.9 um	1.9 um	1.3 um
Asymmetry	0.723		
Theta	-81.6°		

XY profile & fitting parameters :

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

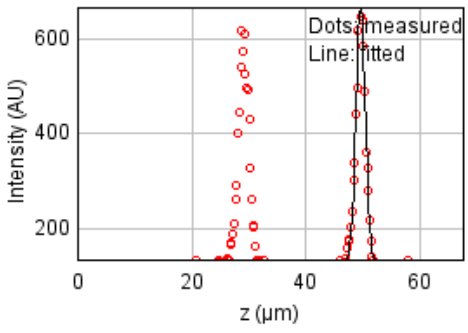




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 533.998 (brightness)
B = 122.493 (background)
a = 0.942 px
b = -0.065 px
c = 0.506 px
xc = 7.206 px
yc = 6.829 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 1755539.56
Standard deviation: 75.61990
R^2: 0.50363
Parameters:
a = 132.72337
b = 668.07728
c = 49.66542
d = 0.80532

Bead 1488

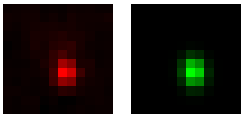
Date : Mon Oct 17 13:52:26 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

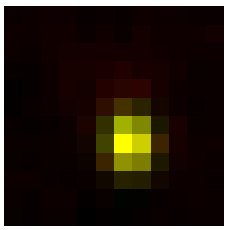
Coordinates : 14.8 um (x), 14.9 um (y), 29.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	538 nm	561 nm	270 nm
z	2.18 um	2.19 um	1.3 um
Asymmetry	0.775		
Theta	-84.8°		

XY profile & fitting parameters :

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

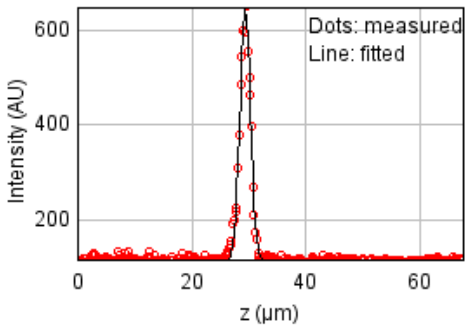




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

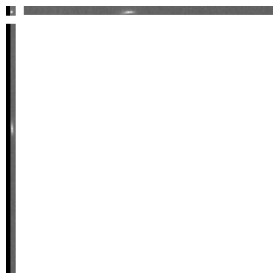
Parameters:
A = 575.883 (brightness)
B = 127.251 (background)
a = 0.769 px
b = -0.028 px
c = 0.466 px
xc = 6.361 px
yc = 6.922 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27502.2777
Standard deviation: 9.46488
R^2: 0.98661
Parameters:
a = 113.99872
b = 648.36788
c = 29.43499
d = 0.92542

Bead 1489 (Rejected)



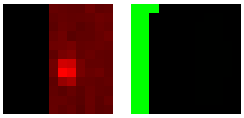
Date : Mon Oct 17 13:52:26 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

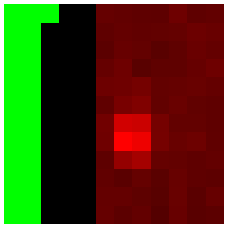
Coordinates : -164 um (x), 11.4 um (y), 28.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	1.58 um	1.65 um	270 nm
max	4.06 um	4.22 um	270 nm
z	2.37 um	2.38 um	1.3 um
Asymmetry	0.39		
Theta	87.5°		

XY profile & fitting parameters :

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

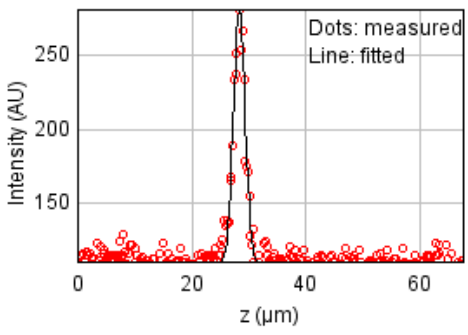




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.741

Parameters:
A = 183.463 (brightness)
B = -18.141 (background)
a = 0.054 px
b = 0.002 px
c = 0.008 px
xc = 8.072 px
yc = 5.762 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16670.9975
Standard deviation: 7.36905
R^2: 0.93078
Parameters:
a = 110.20821
b = 281.18676
c = 28.40947
d = 1.00451

Bead 1490

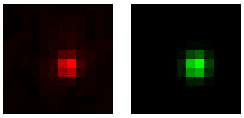
Date : Mon Oct 17 13:52:26 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

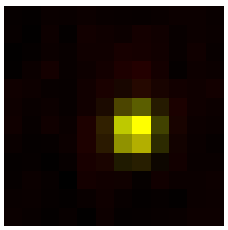
Coordinates : -113 um (x), -12.7 um (y), 29.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	444 nm	462 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.919		
Theta	75.1°		

XY profile & fitting parameters :

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

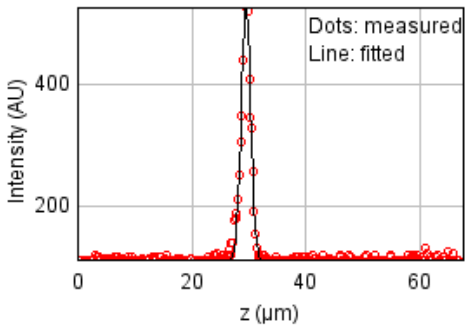




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 465.431 (brightness)
B = 118.504 (background)
a = 0.798 px
b = 0.031 px
c = 0.689 px
xc = 6.643 px
yc = 6.242 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30341.0625
Standard deviation: 9.94137
R^2: 0.97310
Parameters:
a = 113.18989
b = 527.02889
c = 29.56900
d = 0.83168

Bead 1491

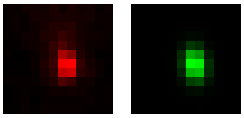
Date : Mon Oct 17 13:52:26 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

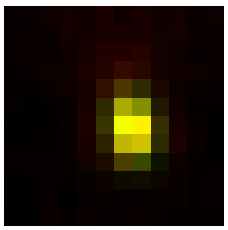
Coordinates : 77.5 um (x), -13.3 um (y), 29.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	608 nm	633 nm	270 nm
z	2.12 um	2.12 um	1.3 um
Asymmetry	0.666		
Theta	-82.7°		

XY profile & fitting parameters :

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

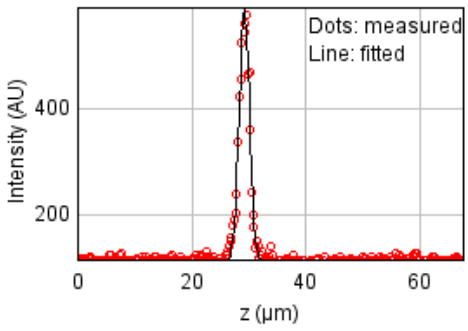




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 549.920 (brightness)
B = 122.434 (background)
a = 0.811 px
b = -0.057 px
c = 0.370 px
xc = 6.475 px
yc = 6.111 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27020.8383
Standard deviation: 9.38167
R^2: 0.98298
Parameters:
a = 113.49735
b = 589.10398
c = 29.28284
d = 0.89866

Bead 1492

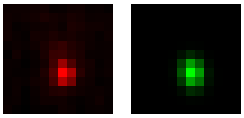
Date : Mon Oct 17 13:52:26 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

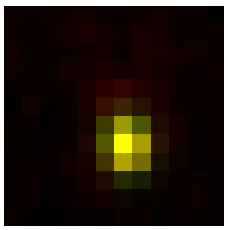
Coordinates : 135 um (x), -30.3 um (y), 29.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	537 nm	559 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.766		
Theta	-82.5°		

XY profile & fitting parameters :

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

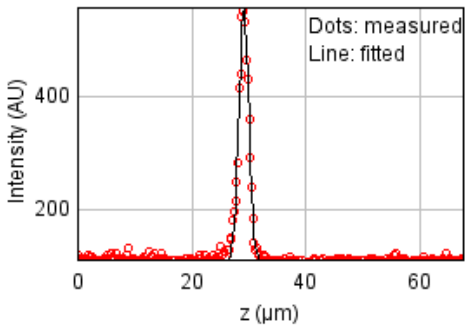




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 461.876 (brightness)
B = 118.760 (background)
a = 0.787 px
b = -0.043 px
c = 0.471 px
xc = 6.191 px
yc = 7.045 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20383.0269
Standard deviation: 8.14827
R^2: 0.98476
Parameters:
a = 112.18925
b = 557.40194
c = 29.19661
d = 0.86399

Bead 1493

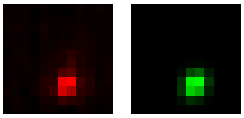
Date : Mon Oct 17 13:52:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

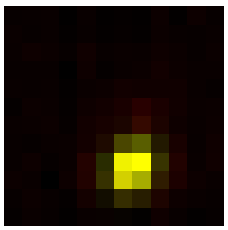
Coordinates : -66.8 um (x), -36.9 um (y), 24.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	465 nm	484 nm	270 nm
z	2.28 um	2.29 um	1.3 um
Asymmetry	0.833		
Theta	58.9°		

XY profile & fitting parameters :

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

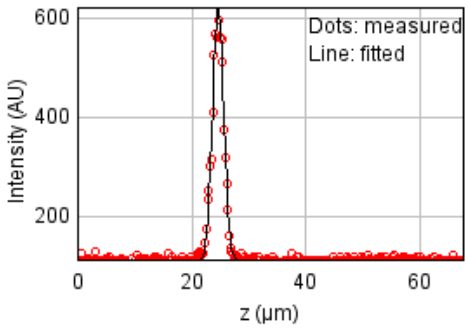




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 650.763 (brightness)
B = 124.869 (background)
a = 0.822 px
b = 0.121 px
c = 0.694 px
xc = 6.489 px
yc = 8.307 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22852.2695
Standard deviation: 8.62771
R^2: 0.98822
Parameters:
a = 112.54424
b = 621.03931
c = 24.69600
d = 0.96940

Bead 1494

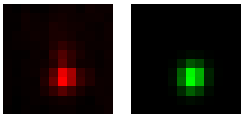
Date : Mon Oct 17 13:52:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

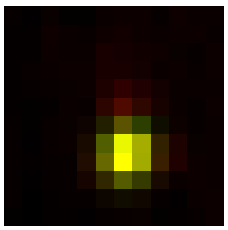
Coordinates : 110 um (x), -57.9 um (y), 29.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	452 nm	471 nm	270 nm
max	507 nm	528 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.892		
Theta	78.7°		

XY profile & fitting parameters :

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

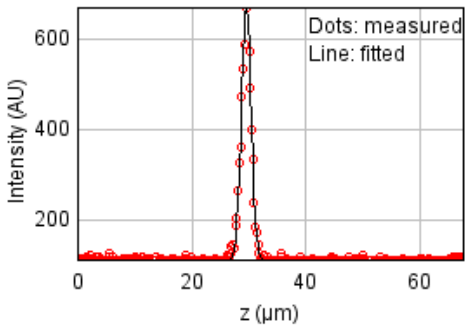




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.932

Parameters:
A = 658.015 (brightness)
B = 126.021 (background)
a = 0.651 px
b = 0.026 px
c = 0.527 px
xc = 6.209 px
yc = 7.521 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18638.0694
Standard deviation: 7.79168
R^2: 0.99119
Parameters:
a = 111.51078
b = 673.82380
c = 29.62029
d = 0.86215

Bead 1495

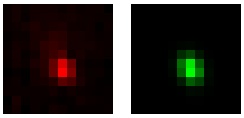
Date : Mon Oct 17 13:52:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

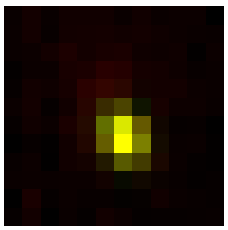
Coordinates : 150 um (x), -62.7 um (y), 28.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	511 nm	532 nm	270 nm
z	2.12 um	2.13 um	1.3 um
Asymmetry	0.754		
Theta	-68.0°		

XY profile & fitting parameters :

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

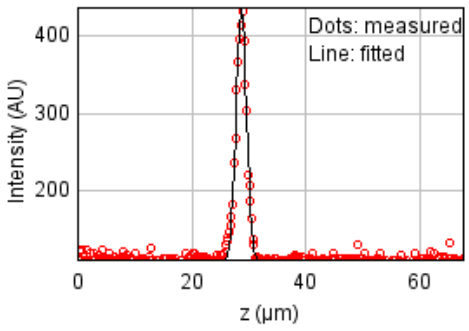




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.930

Parameters:
A = 368.687 (brightness)
B = 118.024 (background)
a = 0.849 px
b = -0.135 px
c = 0.568 px
xc = 6.028 px
yc = 6.589 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15092.8068
Standard deviation: 7.01158
R^2: 0.97999
Parameters:
a = 110.69640
b = 437.38423
c = 28.75923
d = 0.90202

Bead 1496

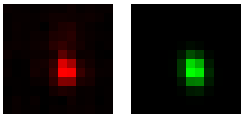
Date : Mon Oct 17 13:52:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

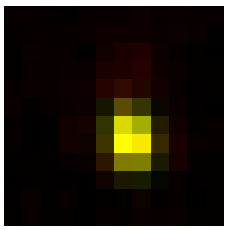
Coordinates : 98.9 um (x), -72.4 um (y), 29.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	416 nm	270 nm
max	554 nm	577 nm	270 nm
z	2.23 um	2.24 um	1.3 um
Asymmetry	0.721		
Theta	-80.4°		

XY profile & fitting parameters :

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

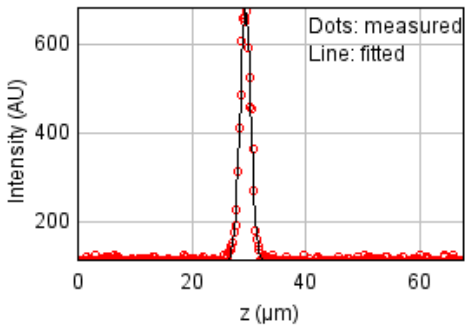




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 640.858 (brightness)
B = 124.636 (background)
a = 0.828 px
b = -0.066 px
c = 0.448 px
xc = 6.423 px
yc = 6.739 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24974.1238
Standard deviation: 9.01936
R^2: 0.98947
Parameters:
a = 112.04043
b = 680.51262
c = 29.46854
d = 0.94836

Bead 1497

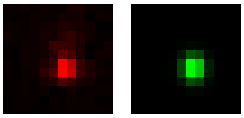
Date : Mon Oct 17 13:52:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

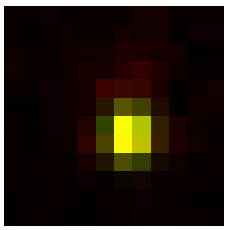
Coordinates : 103 um (x), -77.4 um (y), 29.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	484 nm	504 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.846		
Theta	89.6°		

XY profile & fitting parameters :

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

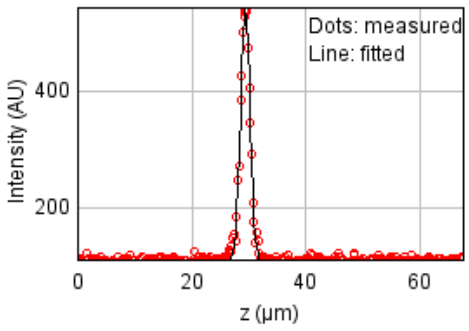




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.930

Parameters:
A = 501.570 (brightness)
B = 123.581 (background)
a = 0.802 px
b = 0.002 px
c = 0.574 px
xc = 6.333 px
yc = 6.480 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15838.2340
Standard deviation: 7.18264
R^2: 0.98691
Parameters:
a = 111.40223
b = 543.11208
c = 29.44456
d = 0.83173

Bead 1498

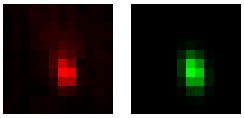
Date : Mon Oct 17 13:52:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

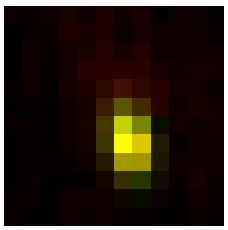
Coordinates : 83.5 um (x), 84.2 um (y), 29.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	635 nm	662 nm	270 nm
z	2.08 um	2.09 um	1.3 um
Asymmetry	0.599		
Theta	-79.0°		

XY profile & fitting parameters :

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

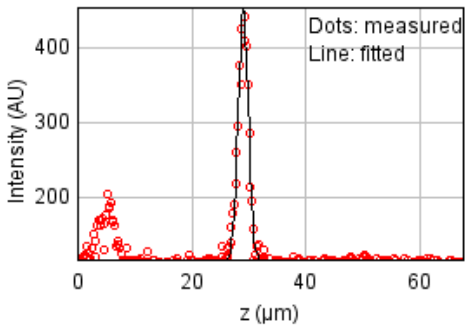




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.923

Parameters:
A = 415.959 (brightness)
B = 125.740 (background)
a = 0.906 px
b = -0.111 px
c = 0.354 px
xc = 6.352 px
yc = 6.879 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 82572.2414
Standard deviation: 16.40015
R^2: 0.90297
Parameters:
a = 117.49451
b = 453.91184
c = 29.09513
d = 0.88355

Bead 1499

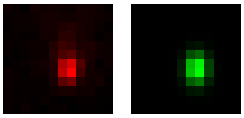
Date : Mon Oct 17 13:52:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

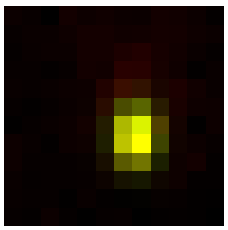
Coordinates : 89.9 um (x), 73.9 um (y), 29.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	569 nm	593 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.719		
Theta	89.7°		

XY profile & fitting parameters :

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

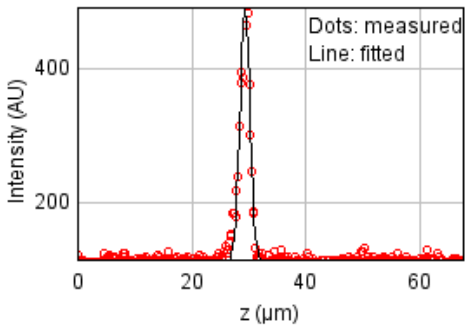




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

Parameters:
A = 437.037 (brightness)
B = 123.075 (background)
a = 0.801 px
b = 0.002 px
c = 0.414 px
xc = 6.671 px
yc = 6.563 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33210.2689
Standard deviation: 10.40081
R^2: 0.96659
Parameters:
a = 113.62056
b = 491.76301
c = 29.38940
d = 0.87406

Bead 1500

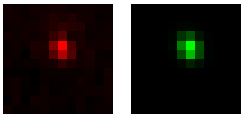
Date : Mon Oct 17 13:52:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

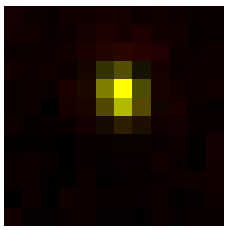
Coordinates : -107 um (x), 44.5 um (y), 18.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	364 nm	379 nm	270 nm
max	442 nm	460 nm	270 nm
z	1.99 um	1.99 um	1.3 um
Asymmetry	0.824		
Theta	-64.7°		

XY profile & fitting parameters :

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

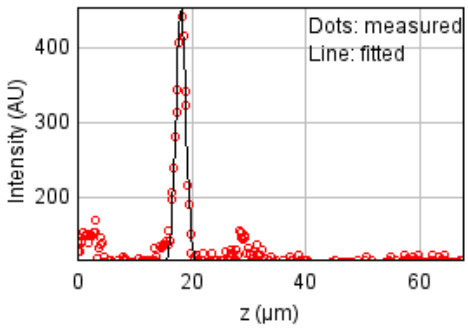




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.945

Parameters:
A = 354.111 (brightness)
B = 118.040 (background)
a = 0.953 px
b = -0.125 px
c = 0.747 px
xc = 5.904 px
yc = 4.272 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 54569.8430
Standard deviation: 13.33236
R^2: 0.93057
Parameters:
a = 117.86079
b = 453.41537
c = 18.18523
d = 0.84350