Bead 2501

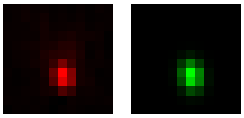
Date : Mon Oct 17 13:53:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

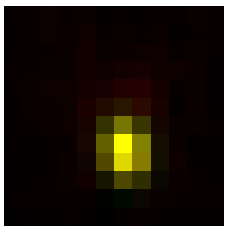
Coordinates : 37.0 um (x), 92.7 um (y), 48.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	539 nm	562 nm	270 nm
z	1.86 um	1.87 um	1.3 um
Asymmetry	0.742		
Theta	-80.9°		

XY profile & fitting parameters :

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

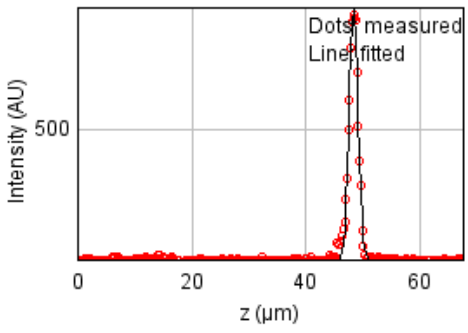




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 754.706 (brightness)
B = 127.391 (background)
a = 0.828 px
b = -0.058 px
c = 0.471 px
xc = 6.115 px
yc = 7.335 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33635.1496
Standard deviation: 10.46713
R^2: 0.99027
Parameters:
a = 114.55604
b = 862.81765
c = 48.43852
d = 0.79159

Bead 2502

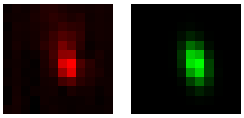
Date : Mon Oct 17 13:53:19 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

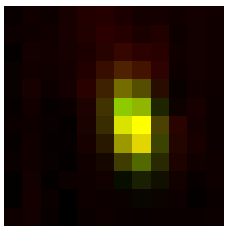
Coordinates : 131 um (x), 86.1 um (y), 48.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	436 nm	270 nm
max	756 nm	787 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.553		
Theta	-77.6°		

XY profile & fitting parameters :

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

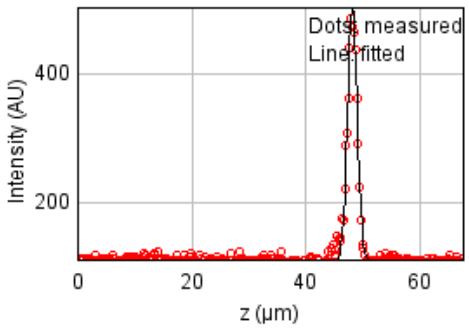




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.903

Parameters:
A = 365.822 (brightness)
B = 119.621 (background)
a = 0.743 px
b = -0.112 px
c = 0.260 px
xc = 6.573 px
yc = 5.965 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18565.9638
Standard deviation: 7.77660
R^2: 0.98174
Parameters:
a = 111.91296
b = 503.37072
c = 48.23030
d = 0.84611

Bead 2503

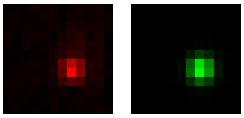
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

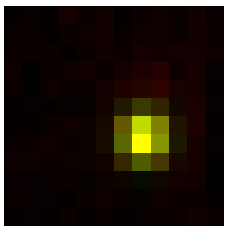
Coordinates : -130 um (x), 77.6 um (y), 48.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	476 nm	496 nm	270 nm
z	1.97 um	1.98 um	1.3 um
Asymmetry	0.911		
Theta	-89.5°		

XY profile & fitting parameters :

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

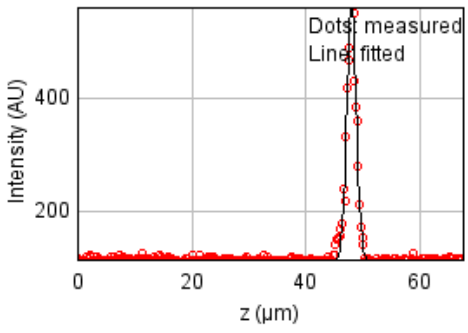




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 475.706 (brightness)
B = 117.393 (background)
a = 0.713 px
b = -0.001 px
c = 0.592 px
xc = 7.129 px
yc = 6.631 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22742.3181
Standard deviation: 8.60693
R^2: 0.98319
Parameters:
a = 111.82046
b = 566.33362
c = 48.07472
d = 0.83580

Bead 2504 (Rejected)

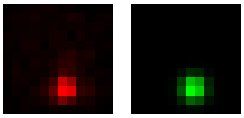
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

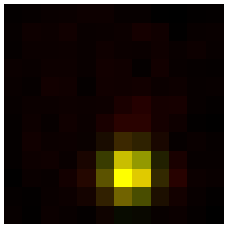
Coordinates : -114 um (x), 66.8 um (y), 44.5 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	444 nm	463 nm	270 nm
max	464 nm	483 nm	270 nm
z	3.57 um	3.58 um	1.3 um
Asymmetry	0.958		
Theta	81.2°		

XY profile & fitting parameters :

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

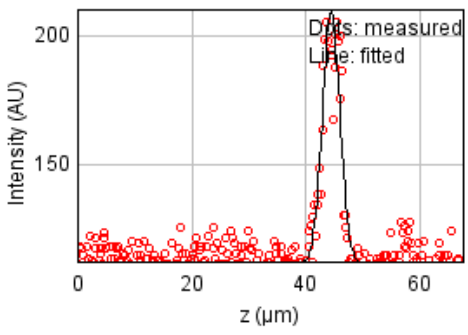




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 576.617 (brightness)
B = 123.972 (background)
a = 0.679 px
b = 0.008 px
c = 0.625 px
xc = 6.332 px
yc = 8.734 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17696.2661
Standard deviation: 7.59227
R^2: 0.85899
Parameters:
a = 112.25829
b = 210.20477
c = 44.50929
d = 1.51476

Bead 2505

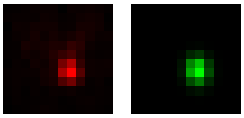
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

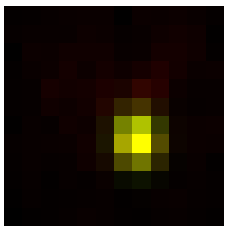
Coordinates : 36.9 um (x), 67.0 um (y), 48.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	504 nm	525 nm	270 nm
z	2.05 um	2.06 um	1.3 um
Asymmetry	0.802		
Theta	-86.9°		

XY profile & fitting parameters :

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

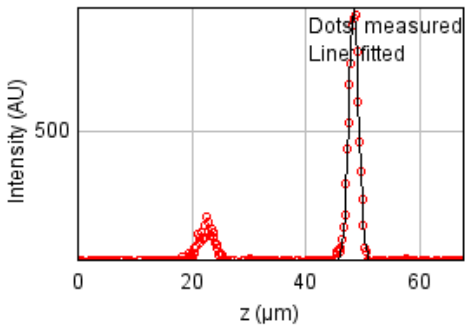




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

Parameters:
A = 781.992 (brightness)
B = 129.564 (background)
a = 0.820 px
b = -0.016 px
c = 0.529 px
xc = 6.759 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: 148688.505
Standard deviation: 22.00744
R^2: 0.96209
Parameters:
a = 119.78560
b = 870.14240
c = 48.46778
d = 0.87153

Bead 2506

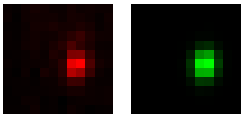
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

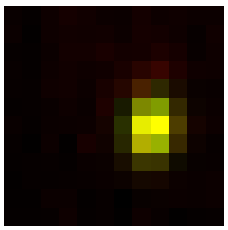
Coordinates : 55.6 um (x), 65.9 um (y), 48.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	438 nm	270 nm
max	560 nm	583 nm	270 nm
z	2.02 um	2.02 um	1.3 um
Asymmetry	0.752		
Theta	84.6°		

XY profile & fitting parameters :

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

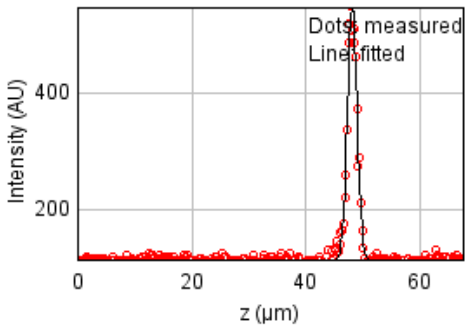




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

Parameters:
A = 476.029 (brightness)
B = 121.238 (background)
a = 0.754 px
b = 0.031 px
c = 0.431 px
xc = 7.547 px
yc = 6.105 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28750.0801
Standard deviation: 9.67721
R^2: 0.97738
Parameters:
a = 113.55371
b = 547.79429
c = 48.19805
d = 0.85585

Bead 2507

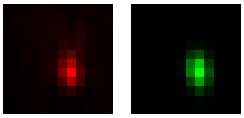
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

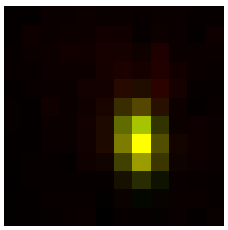
Coordinates : 94.1 um (x), 64.8 um (y), 48.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	372 nm	387 nm	270 nm
max	601 nm	626 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.619		
Theta	-83.5°		

XY profile & fitting parameters :

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

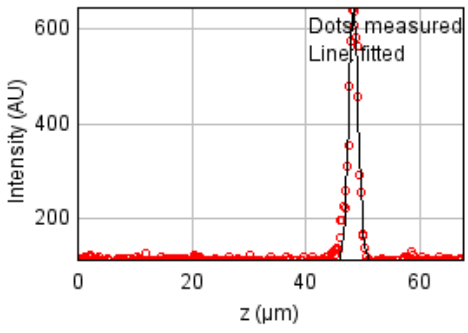




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

Parameters:
A = 495.638 (brightness)
B = 123.444 (background)
a = 0.963 px
b = -0.068 px
c = 0.379 px
xc = 6.867 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: 39706.7925
Standard deviation: 11.37269
R^2: 0.97863
Parameters:
a = 112.58379
b = 645.15039
c = 48.42226
d = 0.83211

Bead 2508

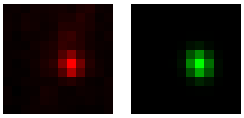
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

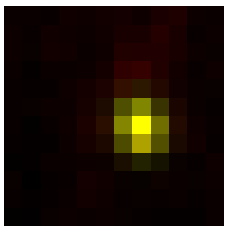
Coordinates : 81.8 um (x), 19.2 um (y), 48.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	502 nm	523 nm	270 nm
z	1.98 um	1.99 um	1.3 um
Asymmetry	0.834		
Theta	-74.7°		

XY profile & fitting parameters :

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

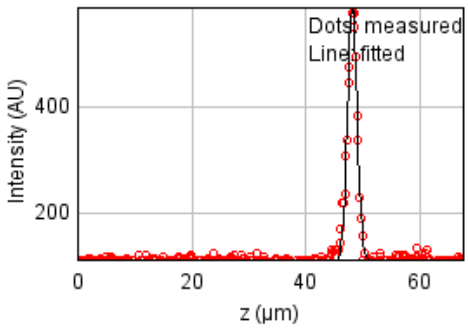




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.925

Parameters:
A = 452.198 (brightness)
B = 120.882 (background)
a = 0.750 px
b = -0.059 px
c = 0.548 px
xc = 6.942 px
yc = 6.081 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26998.7824
Standard deviation: 9.37784
R^2: 0.98189
Parameters:
a = 112.79233
b = 588.20474
c = 48.21226
d = 0.84109

Bead 2509

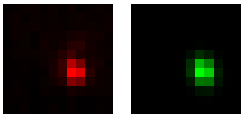
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

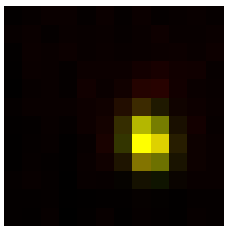
Coordinates : -68.3 um (x), 13.3 um (y), 48.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	498 nm	518 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.771		
Theta	-75.8°		

XY profile & fitting parameters :

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

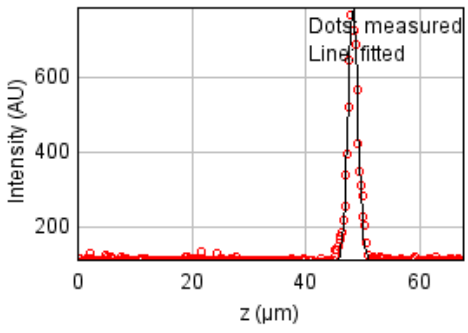




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 791.590 (brightness)
B = 125.480 (background)
a = 0.888 px
b = -0.088 px
c = 0.564 px
xc = 7.372 px
yc = 6.857 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37881.7022
Standard deviation: 11.10825
R^2: 0.98762
Parameters:
a = 113.85820
b = 787.24941
c = 48.32983
d = 0.86669

Bead 2510

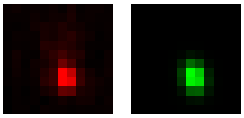
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

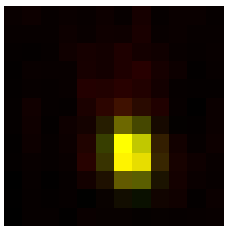
Coordinates : 111 um (x), 3.3 um (y), 48.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	415 nm	270 nm
max	541 nm	563 nm	270 nm
z	1.94 um	1.95 um	1.3 um
Asymmetry	0.738		
Theta	-79.1°		

XY profile & fitting parameters :

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

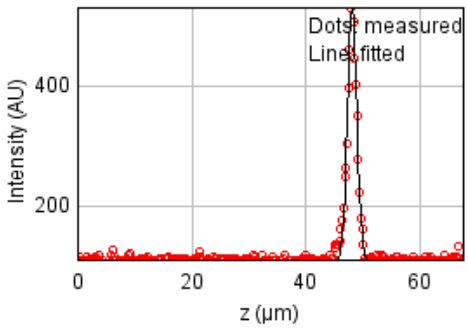




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.944

Parameters:
A = 585.581 (brightness)
B = 123.399 (background)
a = 0.829 px
b = -0.072 px
c = 0.473 px
xc = 6.397 px
yc = 7.509 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23820.8167
Standard deviation: 8.80865
R^2: 0.97895
Parameters:
a = 111.77109
b = 529.69032
c = 48.18058
d = 0.82272

Bead 2511

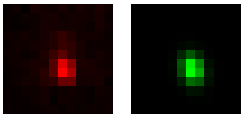
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

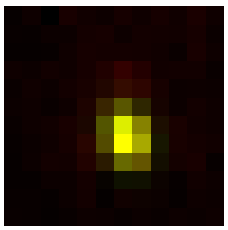
Coordinates : -139 um (x), 3.06 um (y), 48.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	545 nm	567 nm	270 nm
z	2.23 um	2.24 um	1.3 um
Asymmetry	0.732		
Theta	-75.3°		

XY profile & fitting parameters :

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

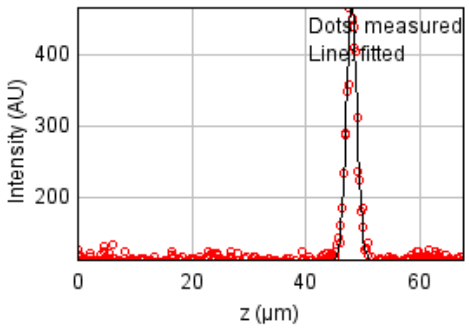




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 360.795 (brightness)
B = 118.195 (background)
a = 0.820 px
b = -0.097 px
c = 0.478 px
xc = 6.202 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: 22394.3388
Standard deviation: 8.54083
R^2: 0.97570
Parameters:
a = 113.45690
b = 465.81368
c = 48.09026
d = 0.94585

Bead 2512 (Rejected)

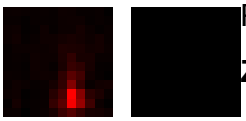
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 127 um (x), 2.09 um (y), 44.7 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	2.95 um	2.96 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

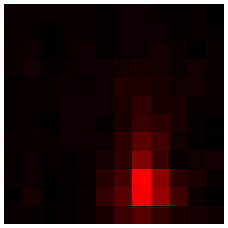
XY profile & fitting parameters :

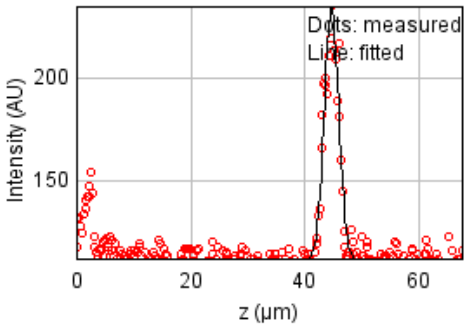
(red : the orignal data, green : the fit, yellow : the two merged)



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: 23457.2758
Standard deviation: 8.74117
R^2: 0.85733
Parameters:
a = 112.31275
b = 234.64231
c = 44.72842
d = 1.25103

Bead 2513

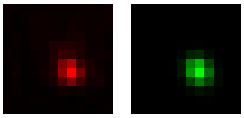
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

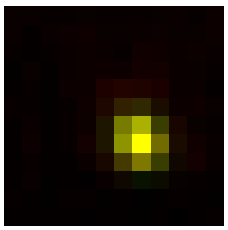
Coordinates : -11.5 um (x), -2.49 um (y), 48.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	440 nm	270 nm
max	509 nm	530 nm	270 nm
z	2.01 um	2.01 um	1.3 um
Asymmetry	0.831		
Theta	-64.6°		

XY profile & fitting parameters :

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

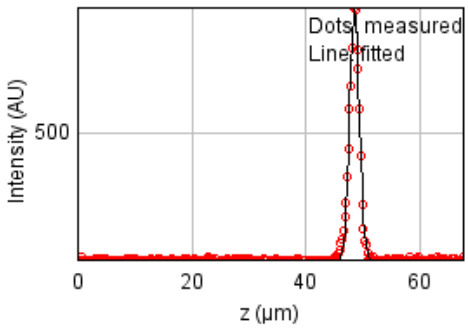




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 761.697 (brightness)
B = 128.241 (background)
a = 0.708 px
b = -0.090 px
c = 0.561 px
xc = 6.861 px
yc = 6.804 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29718.5942
Standard deviation: 9.83886
R^2: 0.99240
Parameters:
a = 114.43542
b = 883.74110
c = 48.59404
d = 0.85164

Bead 2514

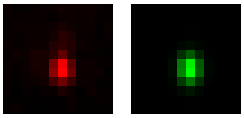
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

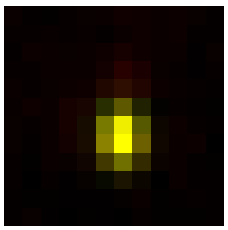
Coordinates : 76.8 um (x), -17.8 um (y), 48.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	419 nm	270 nm
max	545 nm	568 nm	270 nm
z	2.1 um	2.11 um	1.3 um
Asymmetry	0.738		
Theta	-89.6°		

XY profile & fitting parameters :

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

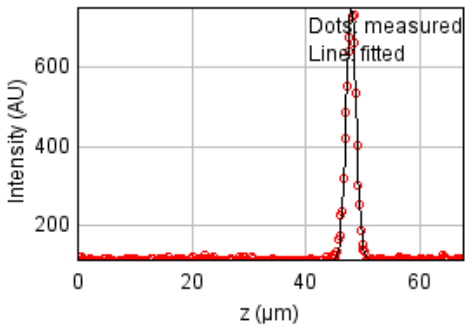




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 695.258 (brightness)
B = 124.624 (background)
a = 0.827 px
b = -0.003 px
c = 0.451 px
xc = 5.907 px
yc = 6.580 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23066.3626
Standard deviation: 8.66803
R^2: 0.99178
Parameters:
a = 113.10996
b = 750.85410
c = 48.00509
d = 0.89070

Bead 2515

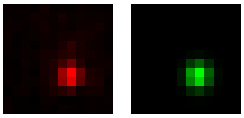
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

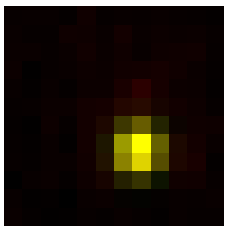
Coordinates : 2.38 um (x), -53.9 um (y), 48.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	426 nm	443 nm	270 nm
max	471 nm	491 nm	270 nm
z	1.93 um	1.94 um	1.3 um
Asymmetry	0.903		
Theta	86.1°		

XY profile & fitting parameters :

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

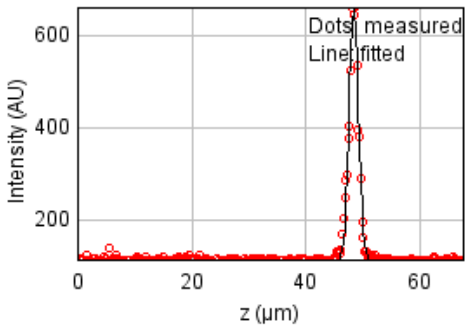




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 571.121 (brightness)
B = 127.697 (background)
a = 0.740 px
b = 0.009 px
c = 0.605 px
xc = 6.832 px
yc = 7.343 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38012.4956
Standard deviation: 11.12741
R^2: 0.98034
Parameters:
a = 113.58557
b = 661.04494
c = 48.47946
d = 0.81997

Bead 2516 (Rejected)

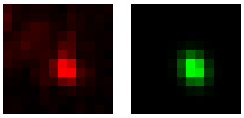
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

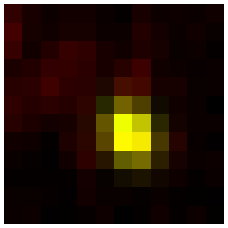
Coordinates : 156 um (x), -73.7 um (y), 47.9 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	552 nm	575 nm	270 nm
z	2.43 um	2.44 um	1.3 um
Asymmetry	0.785		
Theta	-67.6°		

XY profile & fitting parameters :

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

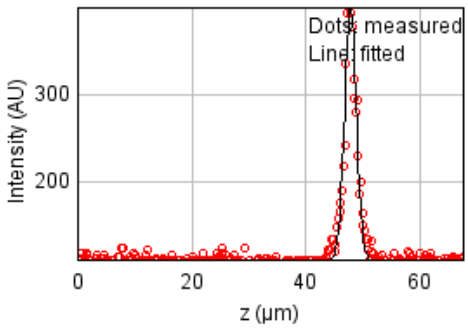




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.865

Parameters:
A = 330.549 (brightness)
B = 123.673 (background)
a = 0.674 px
b = -0.096 px
c = 0.480 px
xc = 6.386 px
yc = 6.560 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28394.8175
Standard deviation: 9.61724
R^2: 0.95872
Parameters:
a = 111.11004
b = 400.61522
c = 47.87770
d = 1.03230

Bead 2517

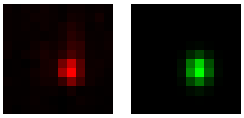
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

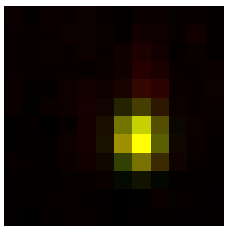
Coordinates : 16.0 um (x), -81.0 um (y), 48.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	516 nm	538 nm	270 nm
z	2.04 um	2.04 um	1.3 um
Asymmetry	0.803		
Theta	89.3°		

XY profile & fitting parameters :

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

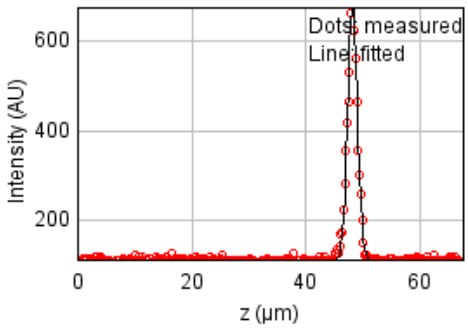




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

Parameters:
A = 578.894 (brightness)
B = 122.758 (background)
a = 0.780 px
b = 0.004 px
c = 0.504 px
xc = 6.869 px
yc = 6.700 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20269.5649
Standard deviation: 8.12555
R^2: 0.99044
Parameters:
a = 112.92248
b = 674.87834
c = 48.25131
d = 0.86429

Bead 2518

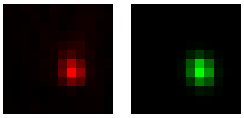
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

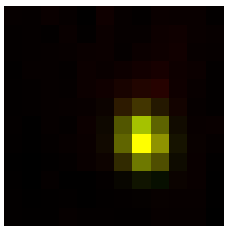
Coordinates : 27.5 um (x), 83.3 um (y), 48.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	438 nm	270 nm
max	518 nm	540 nm	270 nm
z	2.02 um	2.02 um	1.3 um
Asymmetry	0.813		
Theta	-76.7°		

XY profile & fitting parameters :

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

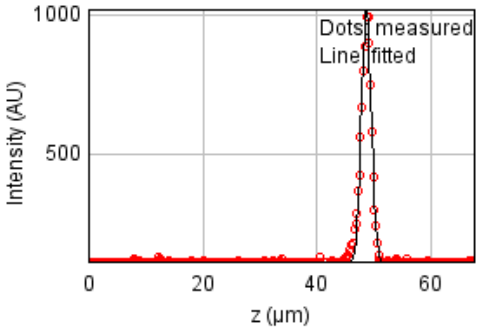




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 843.367 (brightness)
B = 128.877 (background)
a = 0.743 px
b = -0.058 px
c = 0.514 px
xc = 7.108 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: 54053.2508
Standard deviation: 13.26911
R^2: 0.99020
Parameters:
a = 113.11309
b = 1023.82749
c = 48.74584
d = 0.85609

Bead 2519

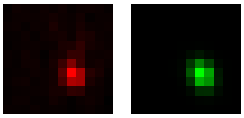
Date : Mon Oct 17 13:53:20 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

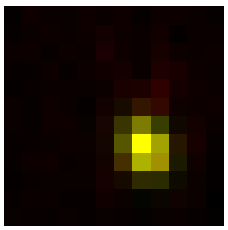
Coordinates : -122 um (x), 75.7 um (y), 48.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	523 nm	545 nm	270 nm
z	1.84 um	1.85 um	1.3 um
Asymmetry	0.772		
Theta	-66.9°		

XY profile & fitting parameters :

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

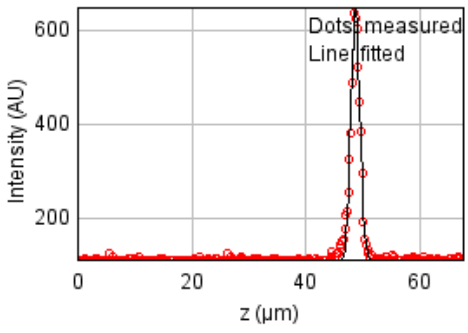




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 532.607 (brightness)
B = 118.377 (background)
a = 0.771 px
b = -0.120 px
c = 0.542 px
xc = 7.243 px
yc = 7.217 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26859.0908
Standard deviation: 9.35355
R^2: 0.98479
Parameters:
a = 112.67239
b = 649.46016
c = 48.75791
d = 0.78121

Bead 2520 (Rejected)

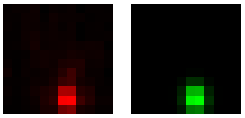
Date : Mon Oct 17 13:53:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -138 um (x), 58.2 um (y), 45.0 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	392 nm	408 nm	270 nm
max	498 nm	519 nm	270 nm
z	3.25 um	3.26 um	1.3 um
Asymmetry	0.787		
Theta	-87.1°		

XY profile & fitting parameters :

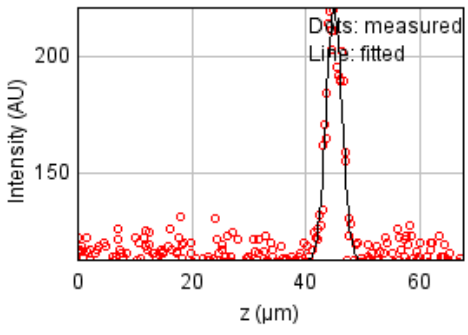
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 651.669 (brightness)
B = 124.863 (background)
a = 0.873 px
b = -0.017 px
c = 0.542 px
xc = 6.526 px
yc = 9.806 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15227.4664
Standard deviation: 7.04279
R^2: 0.89091
Parameters:
a = 111.86838
b = 221.65915
c = 45.00298
d = 1.38020

Bead 2521

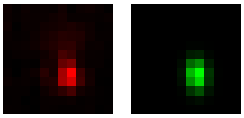
Date : Mon Oct 17 13:53:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

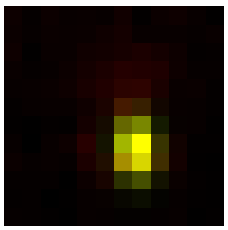
Coordinates : 123 um (x), 29.5 um (y), 48.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	389 nm	270 nm
max	575 nm	599 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.649		
Theta	-86.5°		

XY profile & fitting parameters :

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

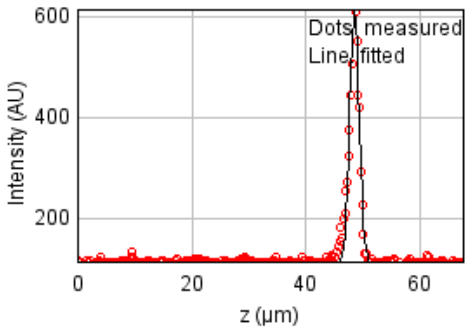




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.927

Parameters:
A = 575.122 (brightness)
B = 123.530 (background)
a = 0.962 px
b = -0.034 px
c = 0.408 px
xc = 6.684 px
yc = 7.255 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 37268.2996
Standard deviation: 11.01795
R^2: 0.97753
Parameters:
a = 112.31500
b = 615.24105
c = 48.59061
d = 0.83173

Bead 2522

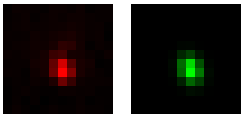
Date : Mon Oct 17 13:53:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

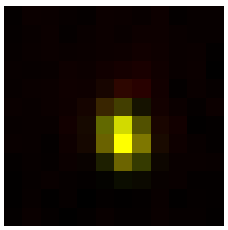
Coordinates : -73.0 um (x), 16.0 um (y), 48.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	511 nm	532 nm	270 nm
z	2.08 um	2.09 um	1.3 um
Asymmetry	0.757		
Theta	-72.2°		

XY profile & fitting parameters :

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

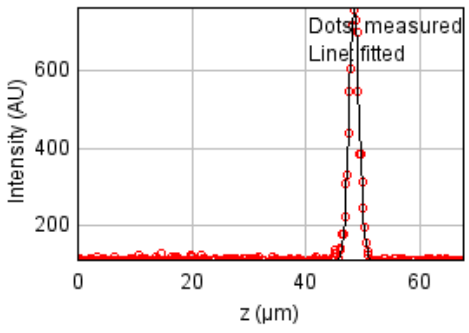




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 663.598 (brightness)
B = 124.065 (background)
a = 0.862 px
b = -0.111 px
c = 0.550 px
xc = 6.009 px
yc = 6.647 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27520.1494
Standard deviation: 9.46796
R^2: 0.99053
Parameters:
a = 112.92392
b = 763.33171
c = 48.52880
d = 0.88514

Bead 2523

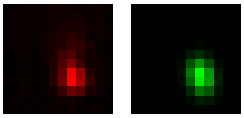
Date : Mon Oct 17 13:53:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

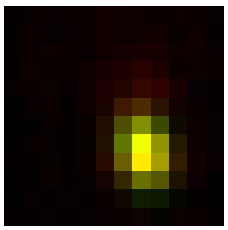
Coordinates : 142 um (x), 5.74 um (y), 48.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	451 nm	469 nm	270 nm
max	654 nm	681 nm	270 nm
z	1.93 um	1.93 um	1.3 um
Asymmetry	0.689		
Theta	-78.1°		

XY profile & fitting parameters :

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

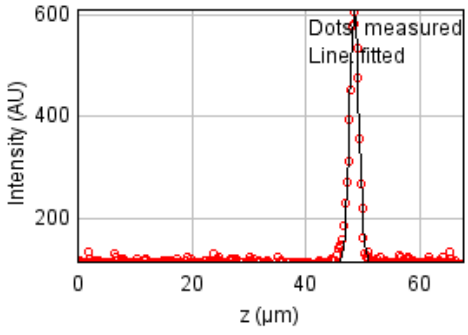




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.934

Parameters:
A = 500.408 (brightness)
B = 121.638 (background)
a = 0.646 px
b = -0.070 px
c = 0.329 px
xc = 7.127 px
yc = 7.397 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29584.6836
Standard deviation: 9.81667
R^2: 0.98164
Parameters:
a = 112.32383
b = 613.17752
c = 48.55758
d = 0.81769

Bead 2524 (Rejected)

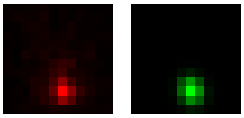
Date : Mon Oct 17 13:53:21 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

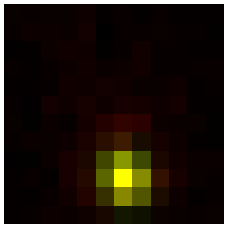
Coordinates : -151 um (x), -11.5 um (y), 45.1 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	432 nm	270 nm
max	489 nm	510 nm	270 nm
z	3.39 um	3.4 um	1.3 um
Asymmetry	0.847		
Theta	-71.1°		

XY profile & fitting parameters :

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

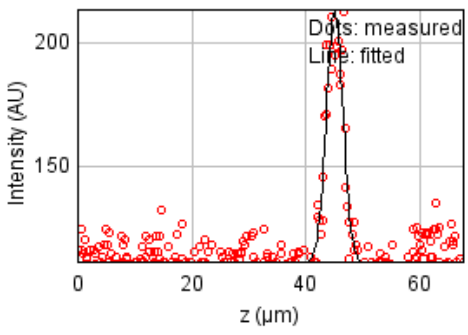




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.926

Parameters:
A = 463.840 (brightness)
B = 122.807 (background)
a = 0.758 px
b = -0.068 px
c = 0.584 px
xc = 6.099 px
yc = 8.969 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18506.6920
Standard deviation: 7.76417
R^2: 0.85826
Parameters:
a = 111.38340
b = 213.64320
c = 45.11374
d = 1.43840

Bead 2525

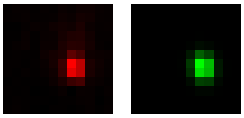
Date : Mon Oct 17 13:53:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

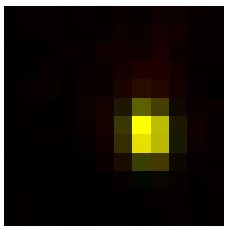
Coordinates : 49.8 um (x), -20.9 um (y), 48.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	492 nm	512 nm	270 nm
z	1.9 um	1.9 um	1.3 um
Asymmetry	0.776		
Theta	-82.1°		

XY profile & fitting parameters :

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

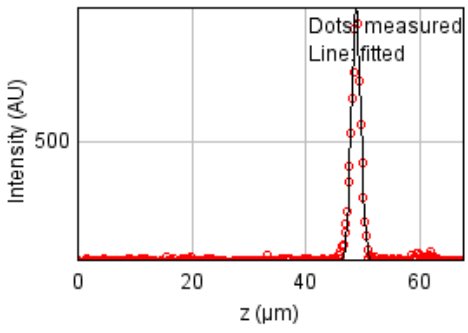




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 1045.937 (brightness)
B = 132.068 (background)
a = 0.913 px
b = -0.050 px
c = 0.561 px
xc = 7.357 px
yc = 6.414 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50609.2990
Standard deviation: 12.83944
R^2: 0.98805
Parameters:
a = 115.90088
b = 936.80579
c = 48.87183
d = 0.80492

Bead 2526

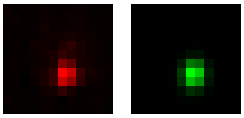
Date : Mon Oct 17 13:53:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

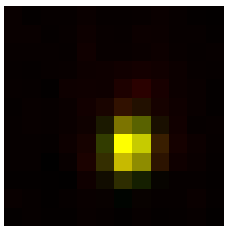
Coordinates : -44.1 um (x), -29.0 um (y), 48.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	415 nm	270 nm
max	494 nm	514 nm	270 nm
z	2.11 um	2.12 um	1.3 um
Asymmetry	0.807		
Theta	84.2°		

XY profile & fitting parameters :

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

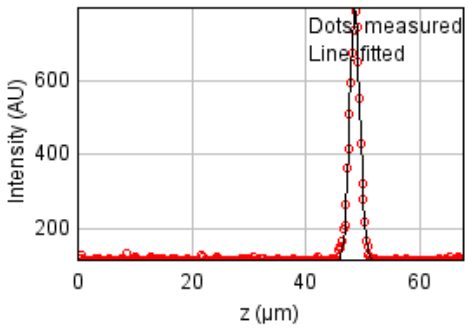




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 825.673 (brightness)
B = 125.635 (background)
a = 0.841 px
b = 0.030 px
c = 0.553 px
xc = 6.357 px
yc = 7.195 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24419.2237
Standard deviation: 8.91860
R^2: 0.99252
Parameters:
a = 112.53281
b = 799.43450
c = 48.64955
d = 0.89478

Bead 2527

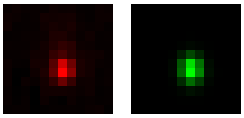
Date : Mon Oct 17 13:53:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

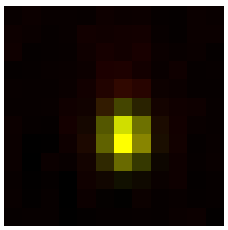
Coordinates : -128 um (x), -44.7 um (y), 48.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	512 nm	533 nm	270 nm
z	2.21 um	2.22 um	1.3 um
Asymmetry	0.797		
Theta	-88.2°		

XY profile & fitting parameters :

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

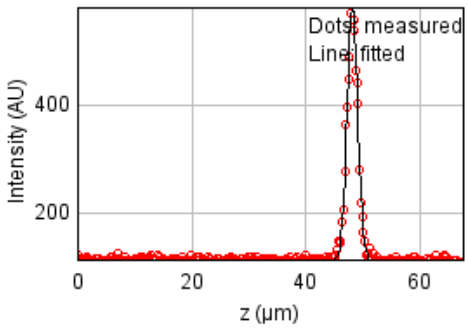




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 510.850 (brightness)
B = 119.991 (background)
a = 0.806 px
b = -0.009 px
c = 0.512 px
xc = 6.089 px
yc = 6.641 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19173.6996
Standard deviation: 7.90285
R^2: 0.98803
Parameters:
a = 111.70045
b = 580.91240
c = 48.22587
d = 0.93830

Bead 2528

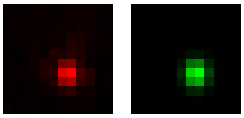
Date : Mon Oct 17 13:53:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

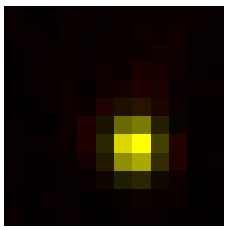
Coordinates : 36.0 um (x), -86.6 um (y), 48.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	486 nm	506 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.855		
Theta	-88.3°		

XY profile & fitting parameters :

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

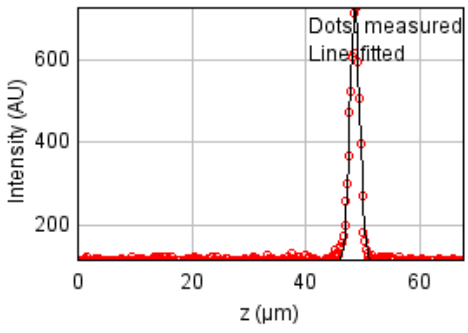




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

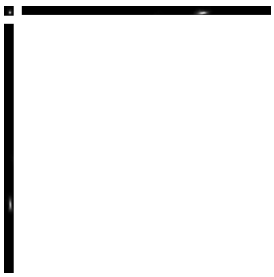
Parameters:
A = 664.884 (brightness)
B = 125.031 (background)
a = 0.777 px
b = -0.006 px
c = 0.568 px
xc = 6.611 px
yc = 7.132 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 39443.0205
Standard deviation: 11.33485
R^2: 0.98419
Parameters:
a = 113.71057
b = 725.84651
c = 48.66457
d = 0.85097

Bead 2529



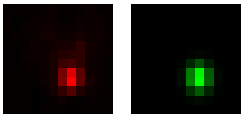
Date : Mon Oct 17 13:53:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

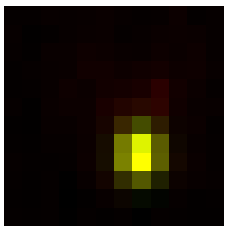
Coordinates : 6.8 um (x), 80.7 um (y), 49.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	491 nm	511 nm	270 nm
z	1.94 um	1.94 um	1.3 um
Asymmetry	0.818		
Theta	89.2°		

XY profile & fitting parameters :

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

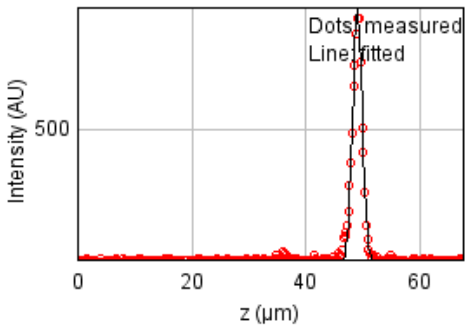




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 867.172 (brightness)
B = 130.972 (background)
a = 0.833 px
b = 0.004 px
c = 0.557 px
xc = 6.906 px
yc = 7.546 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44794.7101
Standard deviation: 12.07937
R^2: 0.98751
Parameters:
a = 114.43535
b = 861.88179
c = 49.10134
d = 0.82254

Bead 2530 (Rejected)

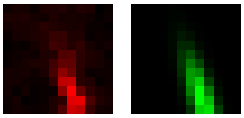
Date : Mon Oct 17 13:53:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

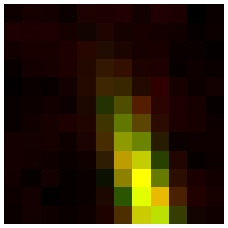
Coordinates : 147 um (x), 78.9 um (y), 45.8 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	1.73 um	1.8 um	270 nm
z	2.56 um	2.57 um	1.3 um
Asymmetry	0.242		
Theta	-72.6°		

XY profile & fitting parameters :

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

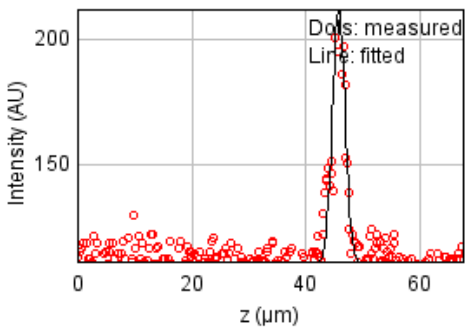




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.924

Parameters:
A = 209.322 (brightness)
B = 115.079 (background)
a = 0.702 px
b = -0.206 px
c = 0.109 px
xc = 7.283 px
yc = 10.024 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 13771.2264
Standard deviation: 6.69757
R^2: 0.85790
Parameters:
a = 111.29227
b = 211.66941
c = 45.82746
d = 1.08596

Bead 2531

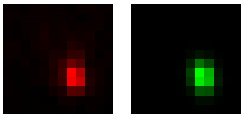
Date : Mon Oct 17 13:53:22 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

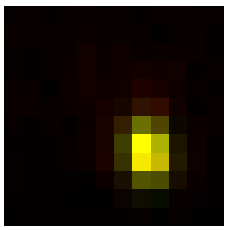
Coordinates : -34.5 um (x), 63.2 um (y), 48.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	544 nm	567 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.709		
Theta	-81.8°		

XY profile & fitting parameters :

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

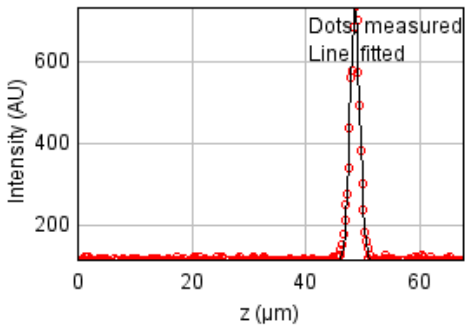




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 762.436 (brightness)
B = 126.371 (background)
a = 0.892 px
b = -0.063 px
c = 0.463 px
xc = 7.330 px
yc = 7.446 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22364.6943
Standard deviation: 8.53517
R^2: 0.99120
Parameters:
a = 114.04799
b = 735.93090
c = 48.67157
d = 0.84611

Bead 2532

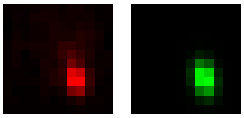
Date : Mon Oct 17 13:53:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

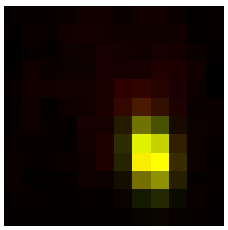
Coordinates : 126 um (x), 54.1 um (y), 48.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	377 nm	393 nm	270 nm
max	611 nm	637 nm	270 nm
z	1.95 um	1.96 um	1.3 um
Asymmetry	0.617		
Theta	-79.5°		

XY profile & fitting parameters :

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

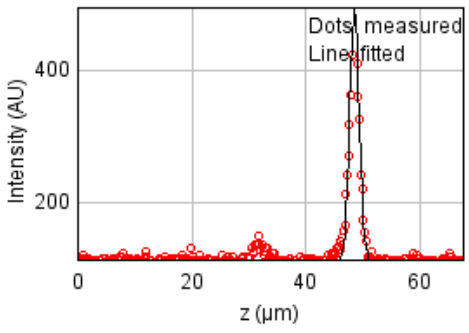




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 571.143 (brightness)
B = 127.466 (background)
a = 0.923 px
b = -0.105 px
c = 0.379 px
xc = 7.492 px
yc = 7.620 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28696.0002
Standard deviation: 9.66811
R^2: 0.97029
Parameters:
a = 113.20521
b = 495.93515
c = 48.58986
d = 0.83009

Bead 2533 (Rejected)

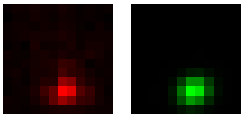
Date : Mon Oct 17 13:53:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

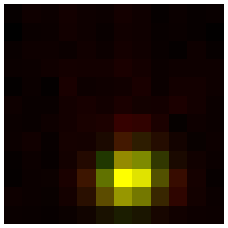
Coordinates : -114 um (x), 50.9 um (y), 45.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	475 nm	495 nm	270 nm
max	555 nm	578 nm	270 nm
z	3.81 um	3.82 um	1.3 um
Asymmetry	0.857		
Theta	24.0°		

XY profile & fitting parameters :

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

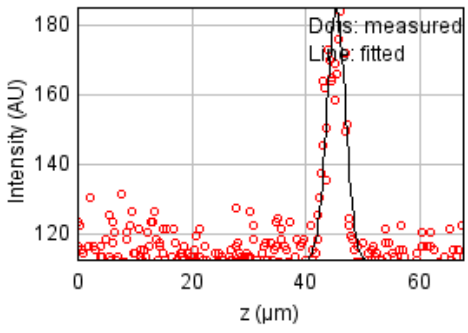




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.934

Parameters:
A = 395.368 (brightness)
B = 121.458 (background)
a = 0.463 px
b = 0.059 px
c = 0.569 px
xc = 6.375 px
yc = 9.001 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17666.2585
Standard deviation: 7.58583
R^2: 0.77883
Parameters:
a = 112.70597
b = 184.93819
c = 45.38196
d = 1.61673

Bead 2534

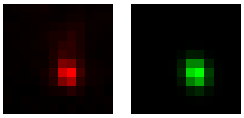
Date : Mon Oct 17 13:53:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

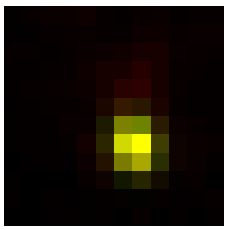
Coordinates : 97.6 um (x), 42.1 um (y), 48.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.799		
Theta	-74.4°		

XY profile & fitting parameters :

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

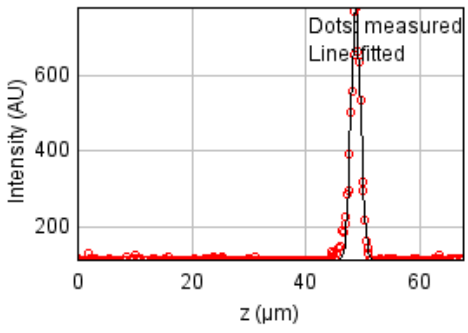




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 739.794 (brightness)
B = 128.016 (background)
a = 0.795 px
b = -0.076 px
c = 0.542 px
xc = 6.608 px
yc = 7.059 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45576.0414
Standard deviation: 12.18426
R^2: 0.98440
Parameters:
a = 113.29185
b = 776.69500
c = 48.82951
d = 0.84871

Bead 2535

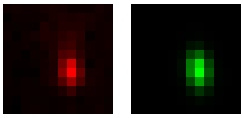
Date : Mon Oct 17 13:53:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

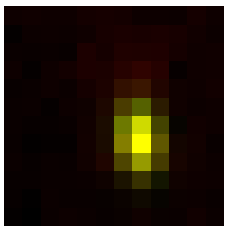
Coordinates : 136 um (x), 24.4 um (y), 48.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	645 nm	672 nm	270 nm
z	1.98 um	1.99 um	1.3 um
Asymmetry	0.6		
Theta	-84.4°		

XY profile & fitting parameters :

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

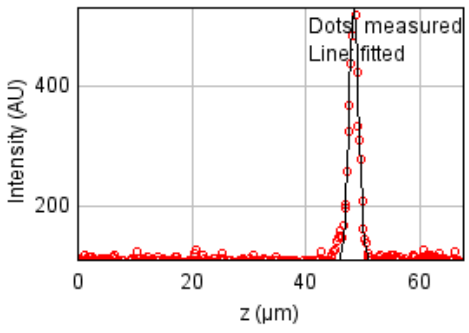




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 434.664 (brightness)
B = 121.440 (background)
a = 0.889 px
b = -0.055 px
c = 0.328 px
xc = 6.877 px
yc = 6.717 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27246.6802
Standard deviation: 9.42080
R^2: 0.97689
Parameters:
a = 111.52295
b = 533.11931
c = 48.49172
d = 0.84123

Bead 2536

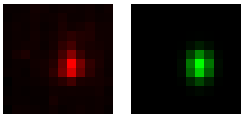
Date : Mon Oct 17 13:53:23 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

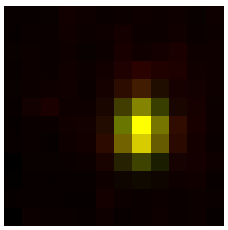
Coordinates : -106 um (x), -3.68 um (y), 49.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	552 nm	574 nm	270 nm
z	1.83 um	1.84 um	1.3 um
Asymmetry	0.756		
Theta	87.3°		

XY profile & fitting parameters :

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

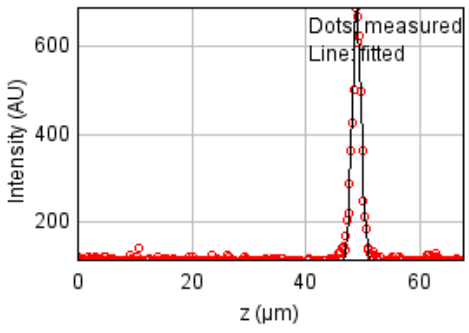




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 550.992 (brightness)
B = 123.515 (background)
a = 0.771 px
b = 0.015 px
c = 0.442 px
xc = 6.991 px
yc = 6.247 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33540.5902
Standard deviation: 10.45240
R^2: 0.98369
Parameters:
a = 113.40302
b = 693.21607
c = 48.96924
d = 0.77879

Bead 2537

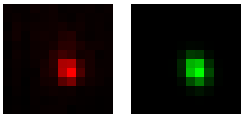
Date : Mon Oct 17 13:53:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

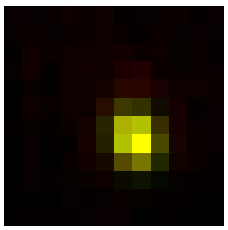
Coordinates : -40.3 um (x), -4.88 um (y), 49.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	520 nm	542 nm	270 nm
z	2.07 um	2.08 um	1.3 um
Asymmetry	0.786		
Theta	-71.0°		

XY profile & fitting parameters :

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

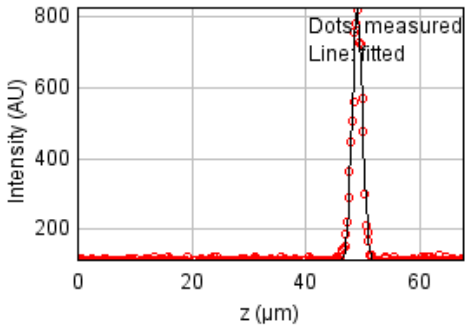




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 752.700 (brightness)
B = 124.576 (background)
a = 0.769 px
b = -0.094 px
c = 0.528 px
xc = 6.643 px
yc = 6.703 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34219.6590
Standard deviation: 10.55768
R^2: 0.99009
Parameters:
a = 113.31052
b = 824.45021
c = 49.08418
d = 0.87927

Bead 2538 (Rejected)

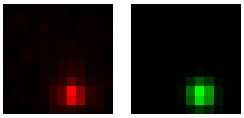
Date : Mon Oct 17 13:53:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

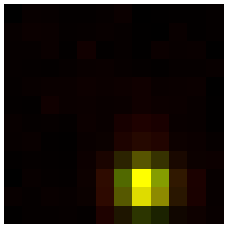
Coordinates : -71.7 um (x), -33.6 um (y), 45.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	461 nm	480 nm	270 nm
z	2.99 um	3.0 um	1.3 um
Asymmetry	0.954		
Theta	-78.3°		

XY profile & fitting parameters :

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

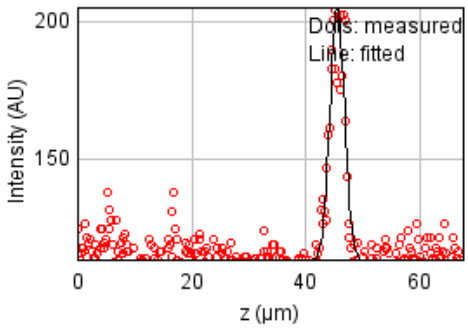




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 507.506 (brightness)
B = 124.264 (background)
a = 0.691 px
b = -0.012 px
c = 0.633 px
xc = 7.153 px
yc = 9.384 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 17494.1512
Standard deviation: 7.54879
R^2: 0.82195
Parameters:
a = 113.21467
b = 205.20495
c = 45.56858
d = 1.26883

Bead 2539

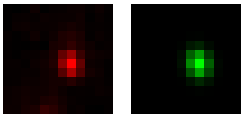
Date : Mon Oct 17 13:53:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

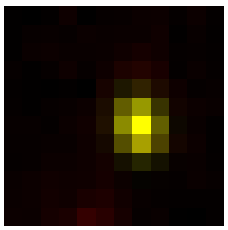
Coordinates : 25.7 um (x), -37.1 um (y), 48.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	528 nm	550 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.772		
Theta	-79.9°		

XY profile & fitting parameters :

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

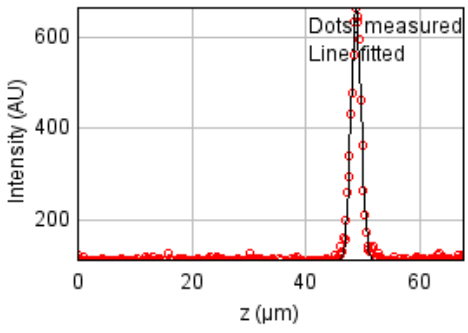




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 533.540 (brightness)
B = 132.790 (background)
a = 0.797 px
b = -0.056 px
c = 0.491 px
xc = 6.881 px
yc = 6.009 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24959.9087
Standard deviation: 9.01680
R^2: 0.98798
Parameters:
a = 112.49793
b = 664.24732
c = 48.87882
d = 0.87674

Bead 2540

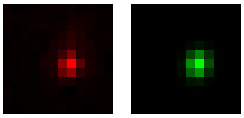
Date : Mon Oct 17 13:53:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

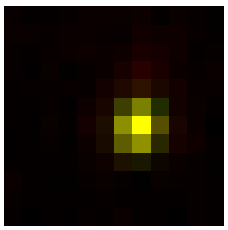
Coordinates : 4.36 um (x), -38.4 um (y), 48.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	467 nm	487 nm	270 nm
z	1.95 um	1.96 um	1.3 um
Asymmetry	0.828		
Theta	77.3°		

XY profile & fitting parameters :

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

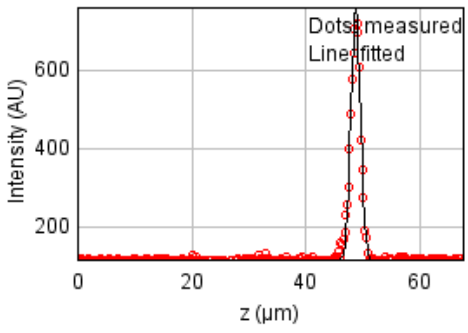




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 695.939 (brightness)
B = 124.530 (background)
a = 0.884 px
b = 0.061 px
c = 0.629 px
xc = 6.824 px
yc = 6.068 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30746.6751
Standard deviation: 10.00760
R^2: 0.98861
Parameters:
a = 113.24936
b = 760.00520
c = 48.80759
d = 0.82809

Bead 2541

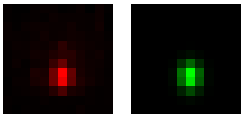
Date : Mon Oct 17 13:53:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

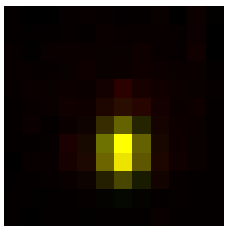
Coordinates : -43.6 um (x), -45.3 um (y), 48.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	405 nm	270 nm
max	503 nm	523 nm	270 nm
z	1.89 um	1.9 um	1.3 um
Asymmetry	0.773		
Theta	-89.7°		

XY profile & fitting parameters :

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

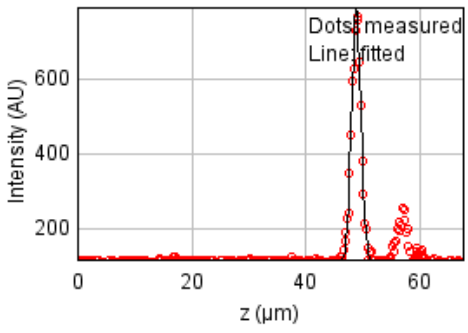




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 659.834 (brightness)
B = 124.402 (background)
a = 0.890 px
b = -0.002 px
c = 0.531 px
xc = 5.958 px
yc = 7.393 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 146625.755
Standard deviation: 21.85425
R^2: 0.95024
Parameters:
a = 118.60111
b = 790.62662
c = 48.89928
d = 0.80331

Bead 2542

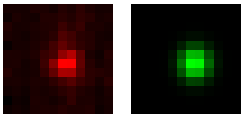
Date : Mon Oct 17 13:53:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

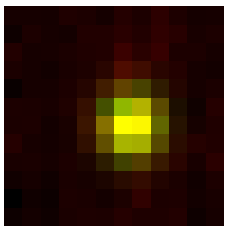
Coordinates : 140 um (x), -52.7 um (y), 48.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	561 nm	585 nm	270 nm
max	629 nm	656 nm	270 nm
z	2.21 um	2.22 um	1.3 um
Asymmetry	0.892		
Theta	88.6°		

XY profile & fitting parameters :

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

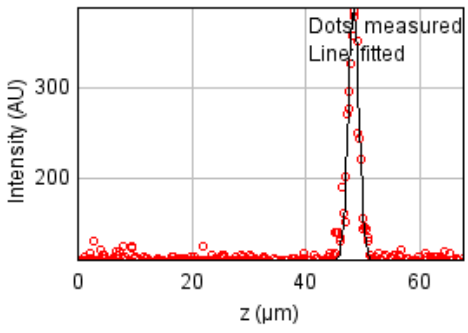




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.927

Parameters:
A = 268.529 (brightness)
B = 120.866 (background)
a = 0.426 px
b = 0.002 px
c = 0.339 px
xc = 6.464 px
yc = 5.984 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34028.8314
Standard deviation: 10.52820
R^2: 0.94261
Parameters:
a = 110.52484
b = 389.42061
c = 48.44777
d = 0.93790

Bead 2543

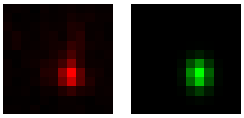
Date : Mon Oct 17 13:53:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

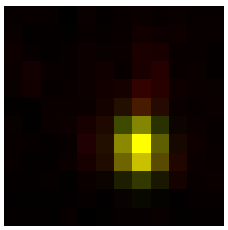
Coordinates : 121 um (x), -70.8 um (y), 48.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	537 nm	559 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.76		
Theta	-87.7°		

XY profile & fitting parameters :

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

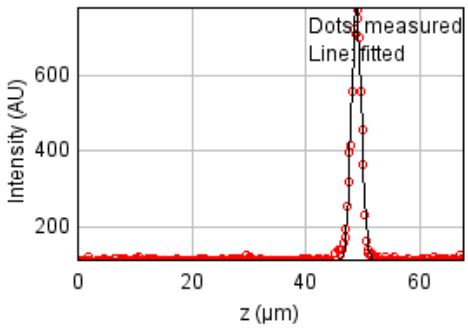




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.935

Parameters:
A = 595.653 (brightness)
B = 122.794 (background)
a = 0.804 px
b = -0.014 px
c = 0.466 px
xc = 6.889 px
yc = 7.193 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37431.0574
Standard deviation: 11.04198
R^2: 0.98771
Parameters:
a = 111.21786
b = 780.46819
c = 48.92507
d = 0.87379

Bead 2544

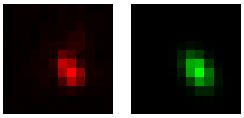
Date : Mon Oct 17 13:53:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

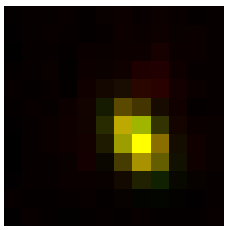
Coordinates : 39.8 um (x), -73.8 um (y), 48.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	641 nm	668 nm	270 nm
z	2.15 um	2.16 um	1.3 um
Asymmetry	0.643		
Theta	-58.6°		

XY profile & fitting parameters :

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

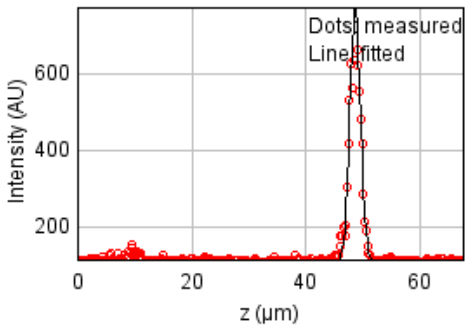




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 780.639 (brightness)
B = 124.879 (background)
a = 0.664 px
b = -0.206 px
c = 0.453 px
xc = 6.796 px
yc = 6.786 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 82241.2264
Standard deviation: 16.36725
R^2: 0.97365
Parameters:
a = 115.98501
b = 774.24911
c = 48.71123
d = 0.91434

Bead 2545 (Rejected)

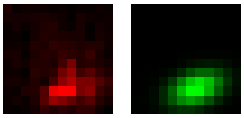
Date : Mon Oct 17 13:53:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

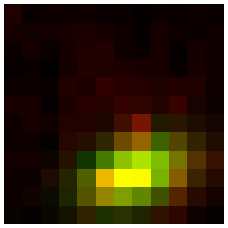
Coordinates : -121 um (x), -80.1 um (y), 45.8 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	584 nm	608 nm	270 nm
max	989 nm	1.03 um	270 nm
z	2.56 um	2.58 um	1.3 um
Asymmetry	0.59		
Theta	19.5°		

XY profile & fitting parameters :

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

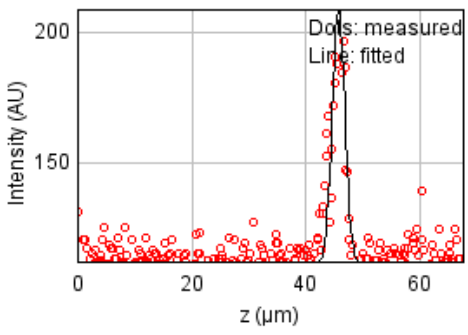




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.845

Parameters:
A = 168.446 (brightness)
B = 119.315 (background)
a = 0.166 px
b = 0.081 px
c = 0.365 px
xc = 6.610 px
yc = 8.721 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20667.8985
Standard deviation: 8.20501
R^2: 0.78754
Parameters:
a = 112.28239
b = 208.50652
c = 45.79945
d = 1.08908

Bead 2546

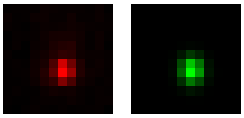
Date : Mon Oct 17 13:53:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

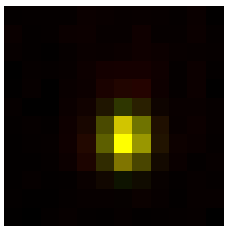
Coordinates : -38.7 um (x), -91.8 um (y), 49.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	438 nm	270 nm
max	507 nm	528 nm	270 nm
z	2.13 um	2.13 um	1.3 um
Asymmetry	0.83		
Theta	-88.8°		

XY profile & fitting parameters :

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

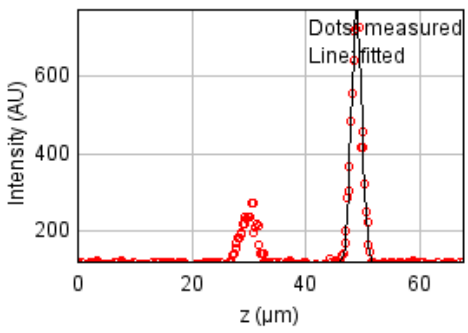




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 732.790 (brightness)
B = 125.046 (background)
a = 0.757 px
b = -0.005 px
c = 0.521 px
xc = 6.149 px
yc = 6.750 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 270979.599
Standard deviation: 29.70976
R^2: 0.91586
Parameters:
a = 121.49657
b = 773.96071
c = 48.95558
d = 0.90261

Bead 2547 (Rejected)

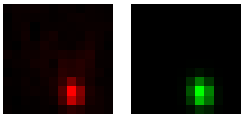
Date : Mon Oct 17 13:53:24 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

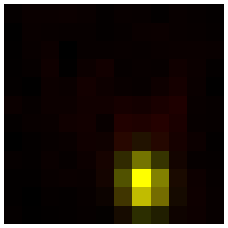
Coordinates : 26.0 um (x), 77.5 um (y), 45.3 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	397 nm	270 nm
max	500 nm	521 nm	270 nm
z	3.75 um	3.77 um	1.3 um
Asymmetry	0.763		
Theta	-80.3°		

XY profile & fitting parameters :

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



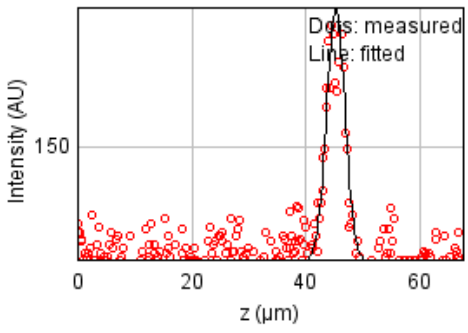


Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 517.330 (brightness)
B = 124.038 (background)
a = 0.912 px
b = -0.064 px
c = 0.548 px

xc = 7.143 px
yc = 9.236 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18584.4297
Standard deviation: 7.78046
R^2: 0.81731
Parameters:
a = 112.54073
b = 196.57677
c = 45.31659
d = 1.59423

Bead 2548

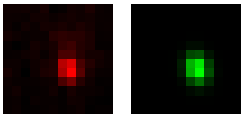
Date : Mon Oct 17 13:53:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

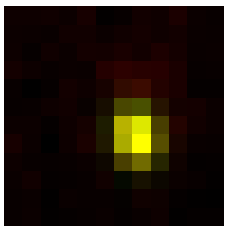
Coordinates : -157 um (x), 30.8 um (y), 48.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	535 nm	557 nm	270 nm
z	2.17 um	2.18 um	1.3 um
Asymmetry	0.761		
Theta	-78.1°		

XY profile & fitting parameters :

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

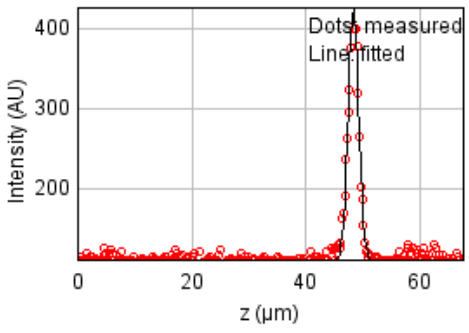




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.940

Parameters:
A = 361.581 (brightness)
B = 117.062 (background)
a = 0.795 px
b = -0.069 px
c = 0.483 px
xc = 6.715 px
yc = 6.560 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17435.3143
Standard deviation: 7.53608
R^2: 0.97546
Parameters:
a = 111.86410
b = 424.92745
c = 48.41120
d = 0.92231

Bead 2549

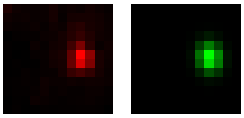
Date : Mon Oct 17 13:53:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

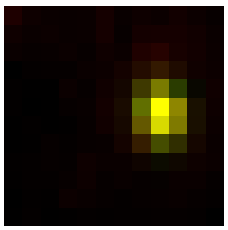
Coordinates : -7.9 um (x), -1.72 um (y), 50.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	442 nm	270 nm
max	552 nm	575 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.769		
Theta	-83.8°		

XY profile & fitting parameters :

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

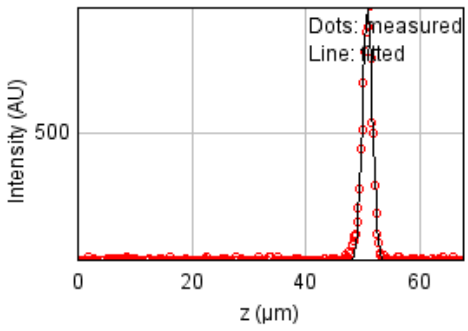




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

Parameters:
A = 711.626 (brightness)
B = 137.975 (background)
a = 0.741 px
b = -0.033 px
c = 0.443 px
xc = 8.078 px
yc = 5.327 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 46863.0637
Standard deviation: 12.35510
R^2: 0.98824
Parameters:
a = 114.76173
b = 884.94330
c = 50.86857
d = 0.86281

Bead 2550

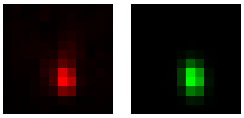
Date : Mon Oct 17 13:53:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

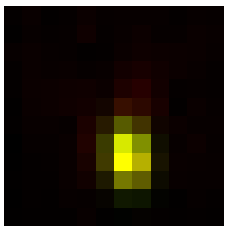
Coordinates : 76.2 um (x), -4.21 um (y), 49.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	567 nm	591 nm	270 nm
z	1.98 um	1.99 um	1.3 um
Asymmetry	0.669		
Theta	-84.1°		

XY profile & fitting parameters :

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

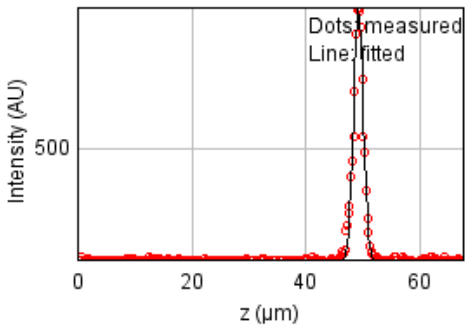




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 932.764 (brightness)
B = 131.820 (background)
a = 0.925 px
b = -0.053 px
c = 0.422 px
xc = 6.277 px
yc = 7.643 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50776.9724
Standard deviation: 12.86069
R^2: 0.98973
Parameters:
a = 114.40471
b = 983.61703
c = 49.27429
d = 0.84054

Bead 2551 (Rejected)

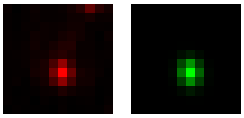
Date : Mon Oct 17 13:53:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

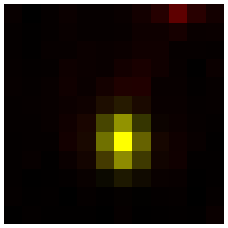
Coordinates : 25.1 um (x), -38.8 um (y), 49.0 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	481 nm	501 nm	270 nm
z	1.97 um	1.98 um	1.3 um
Asymmetry	0.807		
Theta	-84.5°		

XY profile & fitting parameters :

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

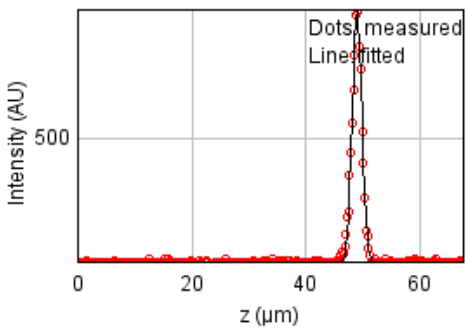




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.898

Parameters:
A = 798.754 (brightness)
B = 133.775 (background)
a = 0.887 px
b = -0.029 px
c = 0.582 px
xc = 5.959 px
yc = 6.976 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29883.0806
Standard deviation: 9.86605
R^2: 0.99270
Parameters:
a = 113.70209
b = 908.29555
c = 49.04094
d = 0.83557

Bead 2552

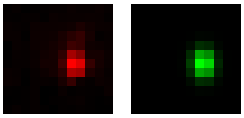
Date : Mon Oct 17 13:53:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

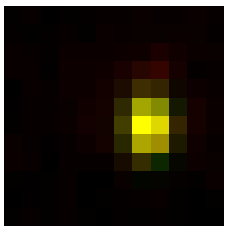
Coordinates : -44.4 um (x), -71.6 um (y), 48.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	555 nm	578 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.74		
Theta	-88.6°		

XY profile & fitting parameters :

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

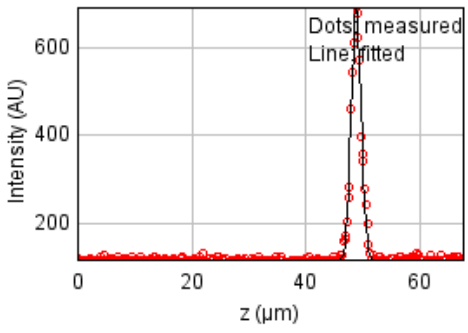




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 657.743 (brightness)
B = 120.207 (background)
a = 0.795 px
b = -0.009 px
c = 0.435 px
xc = 7.396 px
yc = 6.003 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40118.0546
Standard deviation: 11.43143
R^2: 0.98238
Parameters:
a = 114.08226
b = 694.63655
c = 48.89079
d = 0.86257

Bead 2553

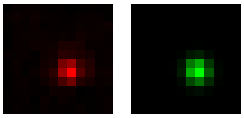
Date : Mon Oct 17 13:53:25 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

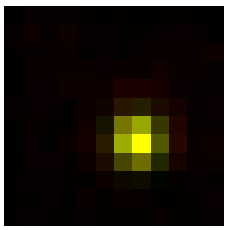
Coordinates : -71.1 um (x), -74.4 um (y), 49.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	460 nm	479 nm	270 nm
z	1.83 um	1.84 um	1.3 um
Asymmetry	0.928		
Theta	-76.4°		

XY profile & fitting parameters :

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

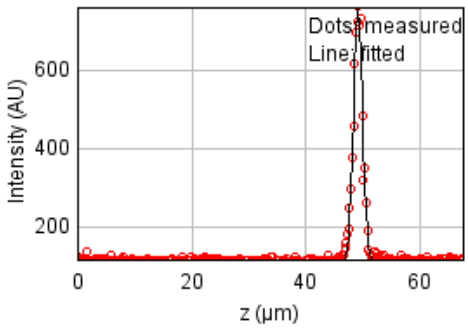




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 645.994 (brightness)
B = 122.965 (background)
a = 0.730 px
b = -0.023 px
c = 0.639 px
xc = 6.766 px
yc = 6.826 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41213.9759
Standard deviation: 11.58652
R^2: 0.98394
Parameters:
a = 113.45700
b = 761.57120
c = 49.19975
d = 0.77761

Bead 2554

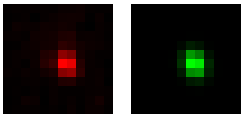
Date : Mon Oct 17 13:53:26 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

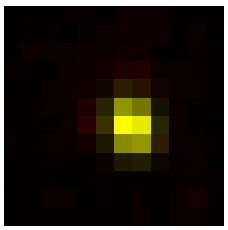
Coordinates : 85.0 um (x), -80.6 um (y), 48.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	497 nm	518 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.789		
Theta	-75.3°		

XY profile & fitting parameters :

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

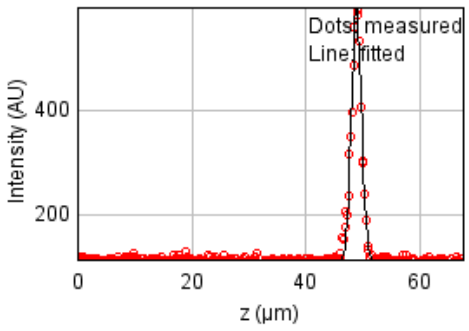




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 657.326 (brightness)
B = 123.560 (background)
a = 0.851 px
b = -0.081 px
c = 0.565 px
xc = 6.452 px
yc = 6.024 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26713.9684
Standard deviation: 9.32825
R^2: 0.98317
Parameters:
a = 112.46313
b = 598.87641
c = 48.93674
d = 0.85714

Bead 2555 (Rejected)

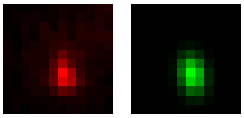
Date : Mon Oct 17 13:53:26 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

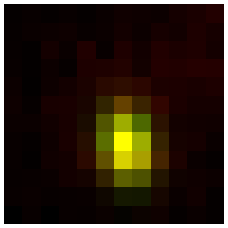
Coordinates : -3.26 um (x), -84.6 um (y), 48.3 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	464 nm	483 nm	270 nm
max	689 nm	717 nm	270 nm
z	6.03 um	6.06 um	1.3 um
Asymmetry	0.673		
Theta	-79.9°		

XY profile & fitting parameters :

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

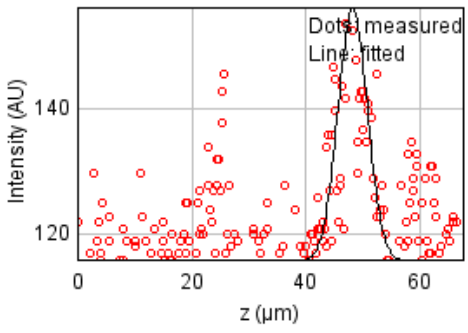




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.917

Parameters:
A = 339.852 (brightness)
B = 128.644 (background)
a = 0.614 px
b = -0.059 px
c = 0.293 px
xc = 6.202 px
yc = 7.198 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25410.0460
Standard deviation: 9.09774
R^2: 0.53792
Parameters:
a = 115.73546
b = 156.41630
c = 48.27612
d = 2.56194

Bead 2556 (Rejected)

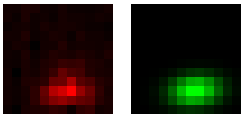
Date : Mon Oct 17 13:53:26 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

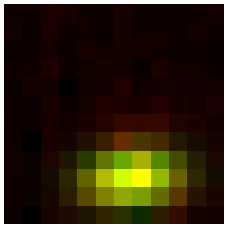
Coordinates : -27.6 um (x), -92.9 um (y), 45.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	562 nm	585 nm	270 nm
max	928 nm	966 nm	270 nm
z	2.97 um	2.99 um	1.3 um
Asymmetry	0.606		
Theta	5.9°		

XY profile & fitting parameters :

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

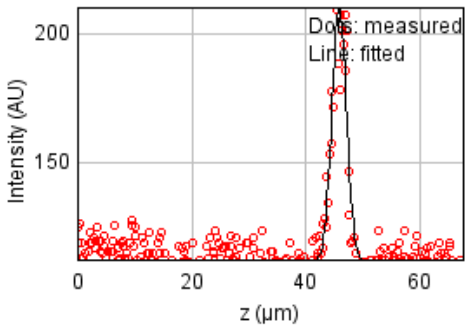




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.922

Parameters:
A = 221.061 (brightness)
B = 119.883 (background)
a = 0.159 px
b = 0.028 px
c = 0.422 px
xc = 6.486 px
yc = 8.968 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 15548.3387
Standard deviation: 7.11660
R^2: 0.85486
Parameters:
a = 112.15148
b = 210.33291
c = 45.89973
d = 1.26254

Bead 2557 (Rejected)

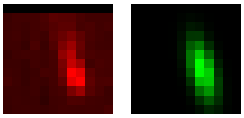
Date : Mon Oct 17 13:53:26 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

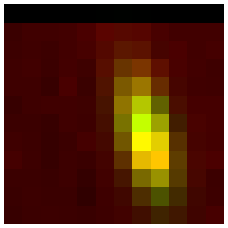
Coordinates : 162 um (x), 95.9 um (y), 49.0 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	450 nm	468 nm	270 nm
max	1.14 um	1.18 um	270 nm
z	2.24 um	2.25 um	1.3 um
Asymmetry	0.395		
Theta	-76.0°		

XY profile & fitting parameters :

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

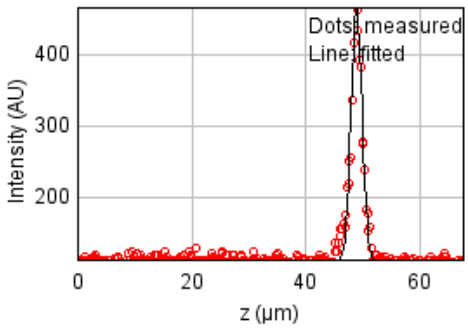




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.757

Parameters:
A = 359.597 (brightness)
B = 102.645 (background)
a = 0.631 px
b = -0.132 px
c = 0.137 px
xc = 7.282 px
yc = 6.680 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31267.0939
Standard deviation: 10.09194
R^2: 0.96710
Parameters:
a = 111.56697
b = 466.81485
c = 48.95625
d = 0.95127

Bead 2558

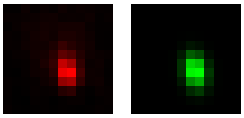
Date : Mon Oct 17 13:53:26 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

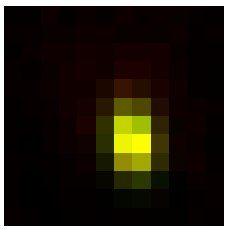
Coordinates : 64.8 um (x), 90.6 um (y), 49.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	629 nm	655 nm	270 nm
z	2.01 um	2.02 um	1.3 um
Asymmetry	0.65		
Theta	-80.6°		

XY profile & fitting parameters :

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

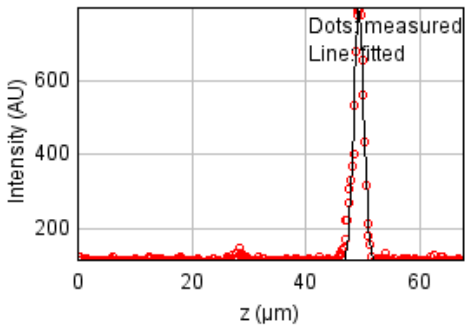




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 759.187 (brightness)
B = 125.310 (background)
a = 0.789 px
b = -0.075 px
c = 0.352 px
xc = 6.510 px
yc = 6.808 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 68282.1578
Standard deviation: 14.91367
R^2: 0.97826
Parameters:
a = 115.13010
b = 798.20440
c = 49.34211
d = 0.85547

Bead 2559

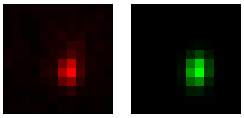
Date : Mon Oct 17 13:53:26 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

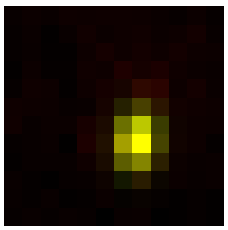
Coordinates : -155 um (x), 89.5 um (y), 48.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	552 nm	575 nm	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.697		
Theta	82.7°		

XY profile & fitting parameters :

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

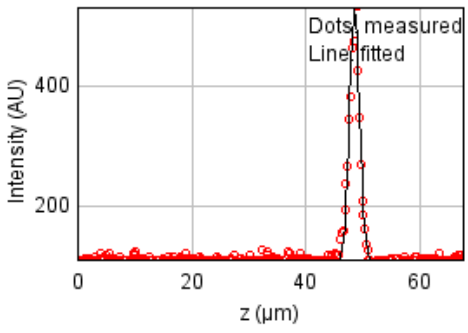




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 435.671 (brightness)
B = 118.974 (background)
a = 0.897 px
b = 0.058 px
c = 0.447 px
xc = 6.775 px
yc = 6.800 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29977.2840
Standard deviation: 9.88159
R^2: 0.97553
Parameters:
a = 110.79584
b = 529.62437
c = 48.59819
d = 0.88681

Bead 2560

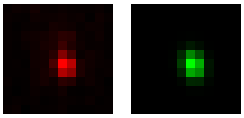
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

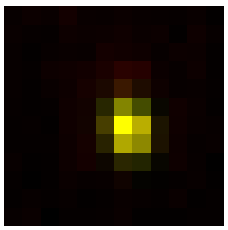
Coordinates : -122 um (x), 78.8 um (y), 49.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	397 nm	270 nm
max	509 nm	530 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.749		
Theta	-77.1°		

XY profile & fitting parameters :

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

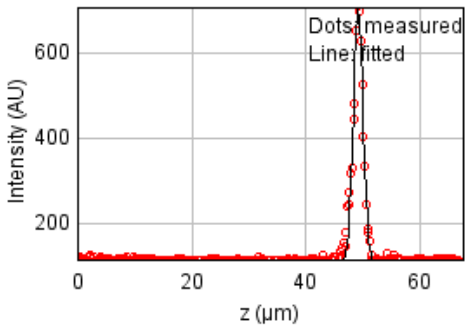




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 649.794 (brightness)
B = 123.494 (background)
a = 0.904 px
b = -0.088 px
c = 0.539 px
xc = 6.302 px
yc = 6.158 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44744.3099
Standard deviation: 12.07257
R^2: 0.98079
Parameters:
a = 112.52883
b = 708.85334
c = 49.23007
d = 0.83394

Bead 2561

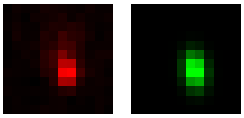
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

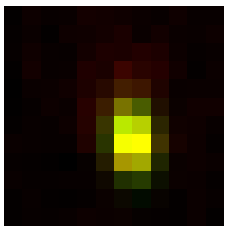
Coordinates : 101 um (x), 73.2 um (y), 49.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	408 nm	425 nm	270 nm
max	665 nm	693 nm	270 nm
z	2.17 um	2.18 um	1.3 um
Asymmetry	0.614		
Theta	-83.7°		

XY profile & fitting parameters :

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

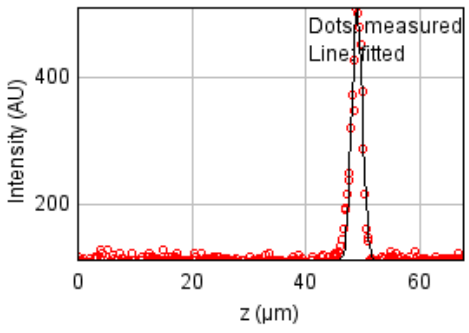




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.927

Parameters:
A = 436.527 (brightness)
B = 121.909 (background)
a = 0.800 px
b = -0.054 px
c = 0.309 px
xc = 6.479 px
yc = 6.733 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38311.3627
Standard deviation: 11.17107
R^2: 0.96682
Parameters:
a = 112.84876
b = 510.03727
c = 49.04390
d = 0.92291

Bead 2562 (Rejected)

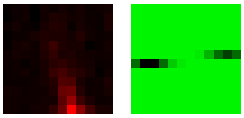
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 162 um (x), 54.9 um (y), 45.7 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	80.0 nm	83.3 nm	270 nm
max	4.63 um	4.83 um	270 nm
z	4.03 um	4.04 um	1.3 um
Asymmetry	0.017		
Theta	6.6°		

XY profile & fitting parameters :

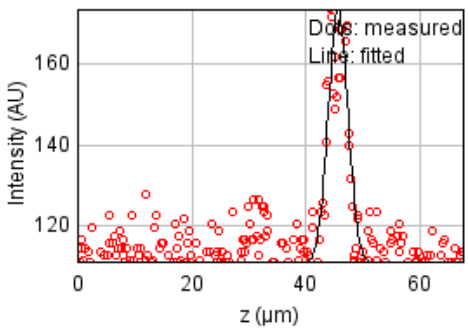
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.128

Parameters:
A = -24.690 (brightness)
B = 133.138 (background)
a = 0.279 px
b = 2.377 px
c = 20.684 px
xc = 2.649 px
yc = 5.864 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16622.2775
Standard deviation: 7.35828
R^2: 0.74523
Parameters:
a = 111.19806
b = 173.45527
c = 45.71575
d = 1.71003

Bead 2563

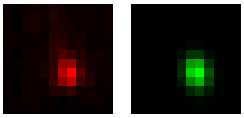
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

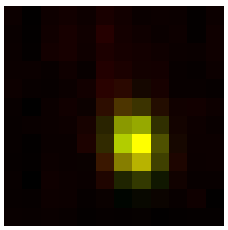
Coordinates : 128 um (x), 45.2 um (y), 49.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	599 nm	624 nm	270 nm
z	1.65 um	1.66 um	1.3 um
Asymmetry	0.733		
Theta	-78.9°		

XY profile & fitting parameters :

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

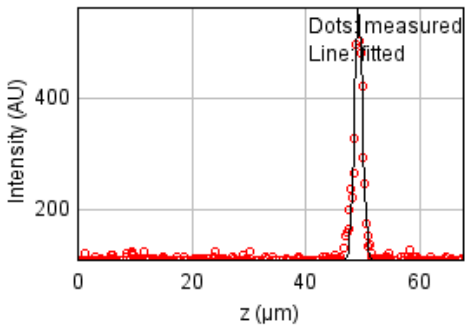




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 456.812 (brightness)
B = 121.735 (background)
a = 0.684 px
b = -0.061 px
c = 0.386 px
xc = 6.661 px
yc = 6.984 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37987.9552
Standard deviation: 11.12382
R^2: 0.96640
Parameters:
a = 111.72920
b = 559.91718
c = 49.28734
d = 0.70075

Bead 2564

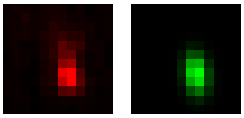
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

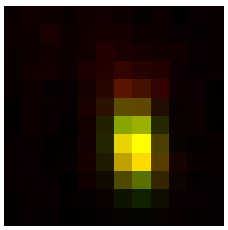
Coordinates : 136 um (x), 41.0 um (y), 49.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	725 nm	755 nm	270 nm
z	2.1 um	2.1 um	1.3 um
Asymmetry	0.568		
Theta	-83.5°		

XY profile & fitting parameters :

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

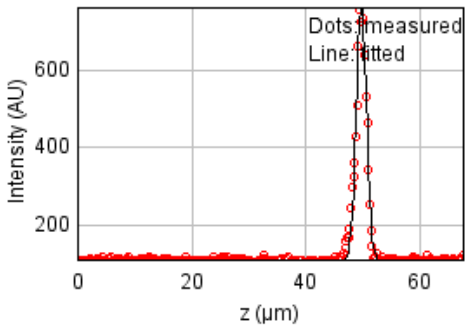




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.920

Parameters:
A = 679.975 (brightness)
B = 127.133 (background)
a = 0.784 px
b = -0.060 px
c = 0.262 px
xc = 6.627 px
yc = 7.122 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41691.1432
Standard deviation: 11.65340
R^2: 0.98573
Parameters:
a = 111.78655
b = 760.74461
c = 49.79374
d = 0.89000

Bead 2565

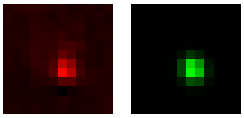
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

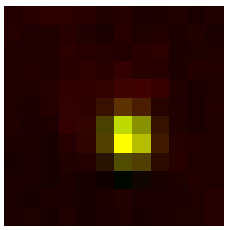
Coordinates : 55.5 um (x), 26.8 um (y), 49.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	398 nm	415 nm	270 nm
max	452 nm	471 nm	270 nm
z	1.75 um	1.75 um	1.3 um
Asymmetry	0.881		
Theta	-71.2°		

XY profile & fitting parameters :

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

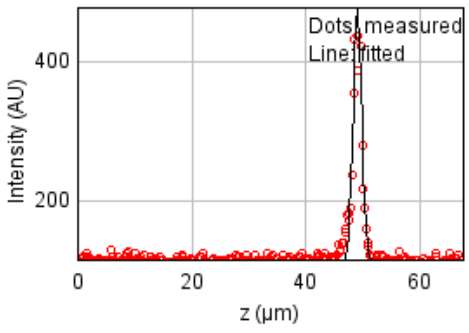




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.906

Parameters:
A = 497.593 (brightness)
B = 128.164 (background)
a = 0.827 px
b = -0.058 px
c = 0.677 px
xc = 6.292 px
yc = 6.636 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41372.0299
Standard deviation: 11.60872
R^2: 0.94831
Parameters:
a = 113.70481
b = 477.32537
c = 49.10514
d = 0.74123

Bead 2566

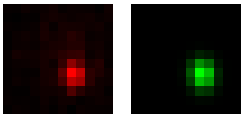
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

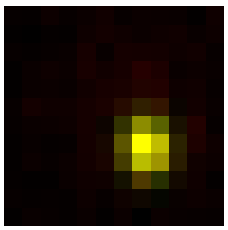
Coordinates : -119 um (x), 730 nm (y), 49.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	436 nm	455 nm	270 nm
max	549 nm	572 nm	270 nm
z	2.22 um	2.22 um	1.3 um
Asymmetry	0.795		
Theta	-83.8°		

XY profile & fitting parameters :

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

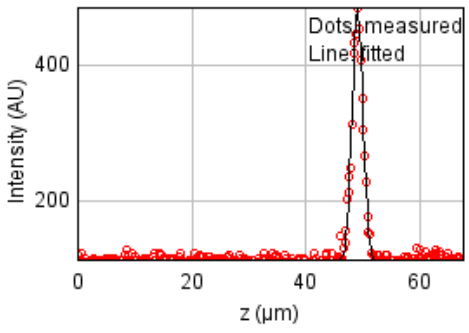




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

Parameters:
A = 387.144 (brightness)
B = 119.785 (background)
a = 0.702 px
b = -0.028 px
c = 0.448 px
xc = 7.289 px
yc = 7.184 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19707.2165
Standard deviation: 8.01205
R^2: 0.98057
Parameters:
a = 113.26146
b = 484.79209
c = 49.12085
d = 0.94079

Bead 2567

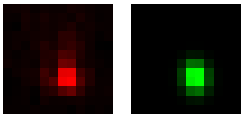
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

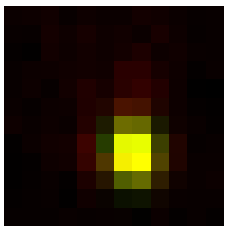
Coordinates : 111 um (x), -1.32 um (y), 49.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	437 nm	455 nm	270 nm
max	555 nm	578 nm	270 nm
z	2.29 um	2.3 um	1.3 um
Asymmetry	0.788		
Theta	-84.5°		

XY profile & fitting parameters :

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

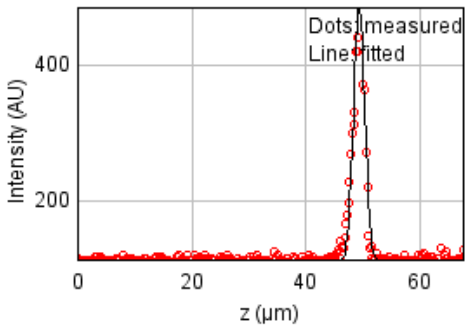




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.921

Parameters:
A = 533.974 (brightness)
B = 124.591 (background)
a = 0.700 px
b = -0.025 px
c = 0.439 px
xc = 6.530 px
yc = 7.481 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40618.3662
Standard deviation: 11.50249
R^2: 0.96283
Parameters:
a = 112.16121
b = 488.30690
c = 49.40272
d = 0.97238

Bead 2568

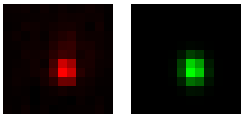
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

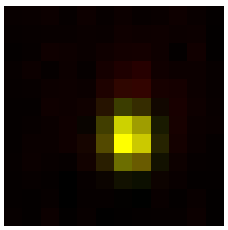
Coordinates : -49.4 um (x), -16.5 um (y), 49.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	509 nm	530 nm	270 nm
z	2.35 um	2.36 um	1.3 um
Asymmetry	0.829		
Theta	-84.0°		

XY profile & fitting parameters :

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

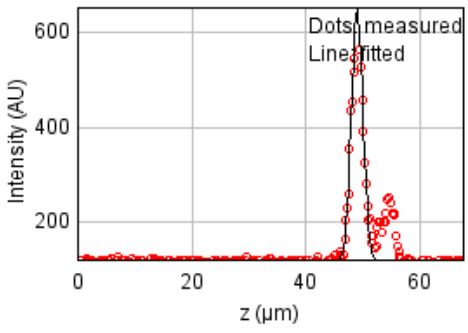




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 648.598 (brightness)
B = 124.466 (background)
a = 0.752 px
b = -0.025 px
c = 0.521 px
xc = 6.330 px
yc = 6.705 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 193719.993
Standard deviation: 25.11991
R^2: 0.91740
Parameters:
a = 119.62264
b = 651.07795
c = 49.06012
d = 0.99751

Bead 2569

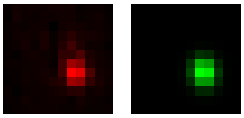
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

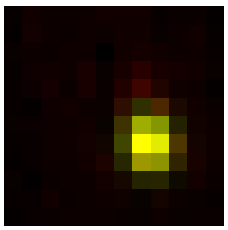
Coordinates : -142 um (x), -24.1 um (y), 48.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	544 nm	567 nm	270 nm
z	2.49 um	2.5 um	1.3 um
Asymmetry	0.808		
Theta	-83.0°		

XY profile & fitting parameters :

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

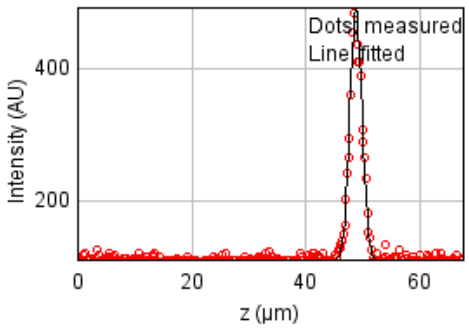




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

Parameters:
A = 451.498 (brightness)
B = 117.880 (background)
a = 0.691 px
b = -0.029 px
c = 0.457 px
xc = 7.440 px
yc = 6.953 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25492.1545
Standard deviation: 9.11243
R^2: 0.97887
Parameters:
a = 110.13484
b = 493.50371
c = 48.83991
d = 1.05574

Bead 2570

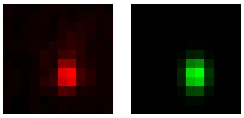
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

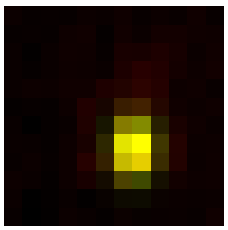
Coordinates : 107 um (x), -50.5 um (y), 49.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	420 nm	270 nm
max	571 nm	595 nm	270 nm
z	2.12 um	2.13 um	1.3 um
Asymmetry	0.706		
Theta	89.3°		

XY profile & fitting parameters :

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

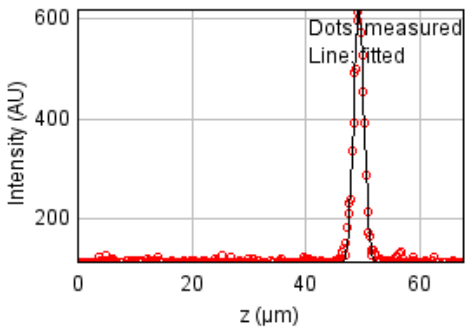




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 591.412 (brightness)
B = 127.518 (background)
a = 0.826 px
b = 0.005 px
c = 0.412 px
xc = 6.568 px
yc = 7.246 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20798.5646
Standard deviation: 8.23090
R^2: 0.98846
Parameters:
a = 112.15803
b = 620.15555
c = 49.34490
d = 0.89916

Bead 2571

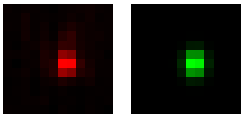
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

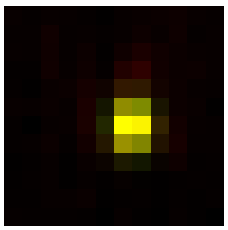
Coordinates : -6.94 um (x), -53.6 um (y), 49.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	389 nm	270 nm
max	480 nm	500 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.779		
Theta	87.0°		

XY profile & fitting parameters :

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

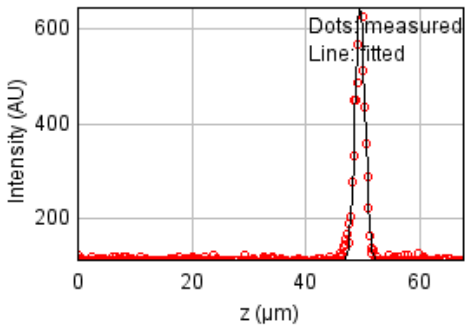




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 737.519 (brightness)
B = 124.770 (background)
a = 0.961 px
b = 0.020 px
c = 0.584 px
xc = 6.475 px
yc = 5.998 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34182.9626
Standard deviation: 10.55202
R^2: 0.98213
Parameters:
a = 113.46796
b = 646.86934
c = 49.55810
d = 0.85790

Bead 2572

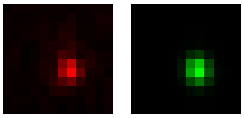
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

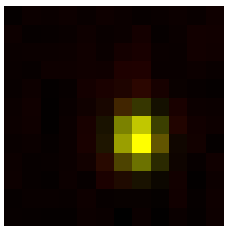
Coordinates : -124 um (x), -62.5 um (y), 49.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	506 nm	527 nm	270 nm
z	1.9 um	1.91 um	1.3 um
Asymmetry	0.814		
Theta	-84.1°		

XY profile & fitting parameters :

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

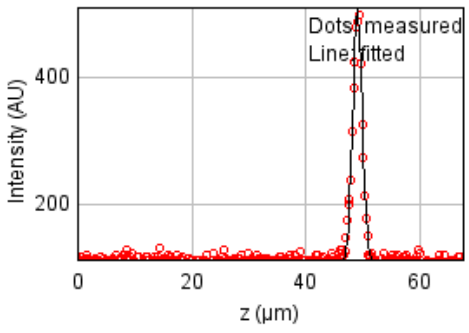




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 382.159 (brightness)
B = 117.401 (background)
a = 0.787 px
b = -0.027 px
c = 0.527 px
xc = 6.794 px
yc = 6.728 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18257.7389
Standard deviation: 7.71177
R^2: 0.98186
Parameters:
a = 112.40643
b = 510.59126
c = 49.11018
d = 0.80757

Bead 2573

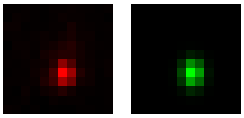
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

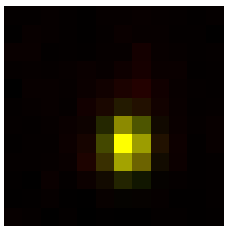
Coordinates : 44.7 um (x), -69.4 um (y), 49.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	501 nm	522 nm	270 nm
z	1.95 um	1.96 um	1.3 um
Asymmetry	0.781		
Theta	89.3°		

XY profile & fitting parameters :

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

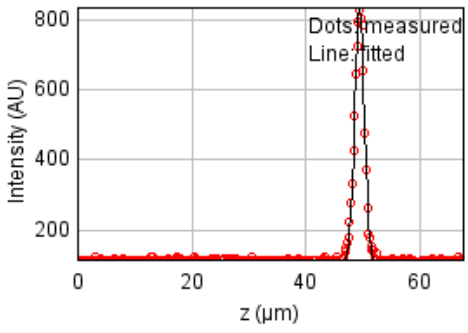




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 730.106 (brightness)
B = 125.287 (background)
a = 0.875 px
b = 0.004 px
c = 0.534 px
xc = 6.222 px
yc = 7.078 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23957.8855
Standard deviation: 8.83395
R^2: 0.99286
Parameters:
a = 113.10121
b = 836.04432
c = 49.46348
d = 0.82722

Bead 2574

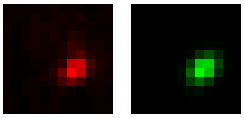
Date : Mon Oct 17 13:53:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

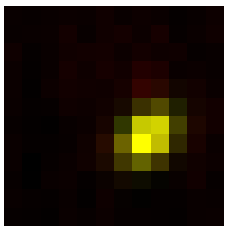
Coordinates : -96.3 um (x), -80.8 um (y), 48.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	558 nm	582 nm	270 nm
z	2.4 um	2.41 um	1.3 um
Asymmetry	0.739		
Theta	47.6°		

XY profile & fitting parameters :

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

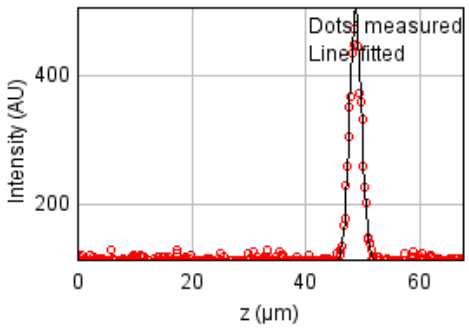




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 509.897 (brightness)
B = 120.007 (background)
a = 0.625 px
b = 0.178 px
c = 0.593 px
xc = 7.371 px
yc = 6.592 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22568.7481
Standard deviation: 8.57402
R^2: 0.98141
Parameters:
a = 112.99056
b = 504.60871
c = 48.77622
d = 1.01858

Bead 2575

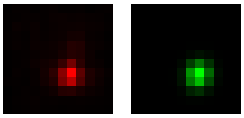
Date : Mon Oct 17 13:53:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

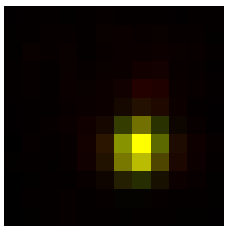
Coordinates : 27.9 um (x), -87.1 um (y), 49.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	491 nm	512 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.87		
Theta	76.3°		

XY profile & fitting parameters :

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

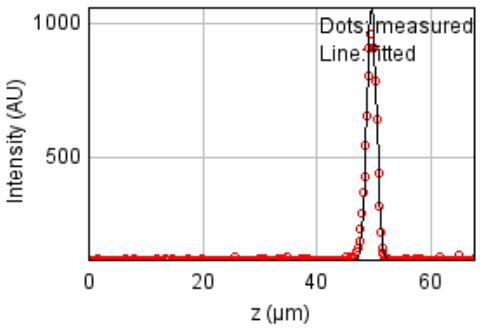




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 995.537 (brightness)
B = 132.452 (background)
a = 0.725 px
b = 0.041 px
c = 0.566 px
xc = 6.862 px
yc = 7.240 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 57386.3818
Standard deviation: 13.67210
R^2: 0.99014
Parameters:
a = 113.67088
b = 1060.50322
c = 49.67019
d = 0.83383

Bead 2576

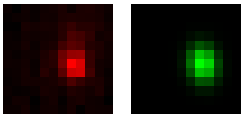
Date : Mon Oct 17 13:53:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

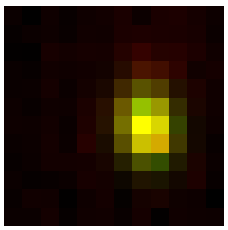
Coordinates : -109 um (x), 76.4 um (y), 48.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	515 nm	536 nm	270 nm
max	691 nm	720 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.745		
Theta	-82.4°		

XY profile & fitting parameters :

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

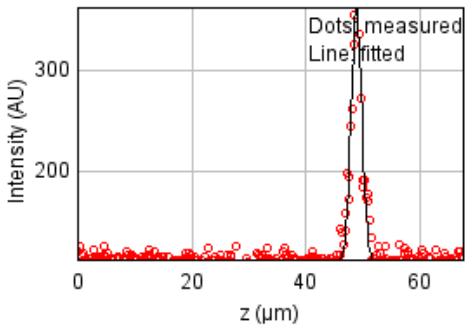




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.929

Parameters:
A = 326.800 (brightness)
B = 122.126 (background)
a = 0.502 px
b = -0.030 px
c = 0.285 px
xc = 7.327 px
yc = 6.031 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25750.1194
Standard deviation: 9.15842
R^2: 0.94454
Parameters:
a = 113.27513
b = 363.11527
c = 48.93875
d = 0.91591

Bead 2577

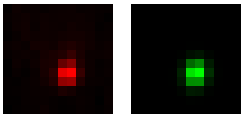
Date : Mon Oct 17 13:53:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

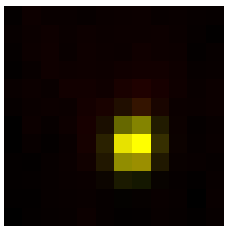
Coordinates : 5.4 um (x), 53.3 um (y), 49.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	382 nm	398 nm	270 nm
max	469 nm	488 nm	270 nm
z	1.95 um	1.96 um	1.3 um
Asymmetry	0.816		
Theta	79.7°		

XY profile & fitting parameters :

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

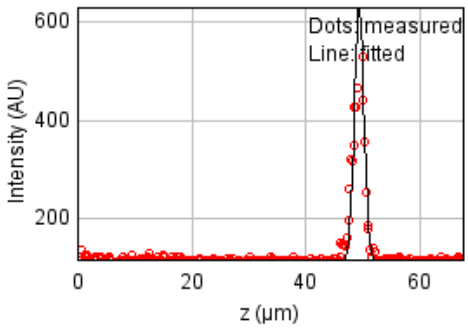




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 781.678 (brightness)
B = 126.196 (background)
a = 0.908 px
b = 0.054 px
c = 0.621 px
xc = 6.564 px
yc = 7.072 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 81506.5198
Standard deviation: 16.29397
R^2: 0.95470
Parameters:
a = 114.83755
b = 633.53820
c = 49.40387
d = 0.82844

Bead 2578 (Rejected)

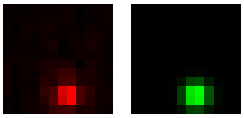
Date : Mon Oct 17 13:53:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

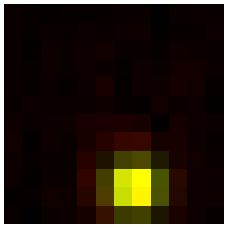
Coordinates : -53.8 um (x), 33.7 um (y), 46.2 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	456 nm	475 nm	270 nm
max	472 nm	492 nm	270 nm
z	3.38 um	3.39 um	1.3 um
Asymmetry	0.965		
Theta	7.7°		

XY profile & fitting parameters :

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

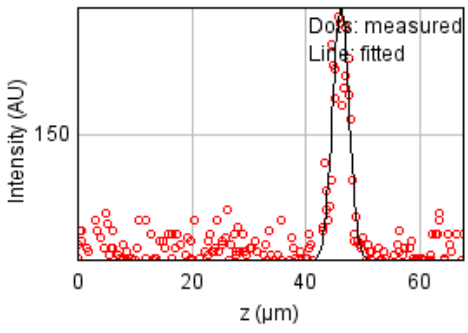




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

Parameters:
A = 450.557 (brightness)
B = 120.647 (background)
a = 0.602 px
b = 0.006 px
c = 0.645 px
xc = 6.590 px
yc = 9.473 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14179.9241
Standard deviation: 6.79623
R^2: 0.80723
Parameters:
a = 113.05957
b = 187.56287
c = 46.19154
d = 1.43561

Bead 2579

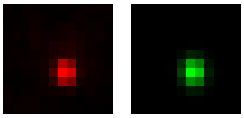
Date : Mon Oct 17 13:53:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

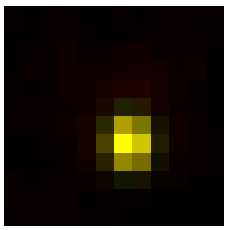
Coordinates : -63.7 um (x), 30.9 um (y), 49.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	493 nm	513 nm	270 nm
z	2.11 um	2.12 um	1.3 um
Asymmetry	0.82		
Theta	-86.5°		

XY profile & fitting parameters :

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

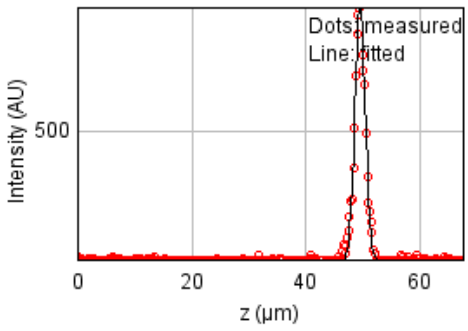




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 839.495 (brightness)
B = 130.502 (background)
a = 0.821 px
b = -0.016 px
c = 0.554 px
xc = 6.340 px
yc = 6.934 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44083.3353
Standard deviation: 11.98307
R^2: 0.98880
Parameters:
a = 115.17241
b = 867.63874
c = 49.55970
d = 0.89531

Bead 2580 (Rejected)

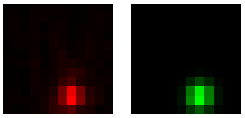
Date : Mon Oct 17 13:53:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

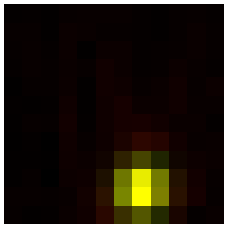
Coordinates : -122 um (x), 26.2 um (y), 46.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	465 nm	270 nm
max	481 nm	501 nm	270 nm
z	3.22 um	3.23 um	1.3 um
Asymmetry	0.927		
Theta	78.0°		

XY profile & fitting parameters :

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



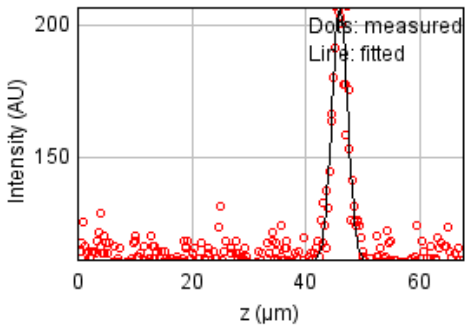


Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 619.021 (brightness)
B = 122.150 (background)
a = 0.670 px
b = 0.019 px
c = 0.583 px

xc = 6.993 px
yc = 9.569 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 13945.9537
Standard deviation: 6.73992
R^2: 0.87006
Parameters:
a = 111.18676
b = 206.79631
c = 46.01013
d = 1.36547

Bead 2581

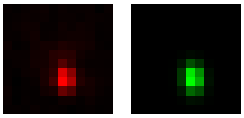
Date : Mon Oct 17 13:53:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

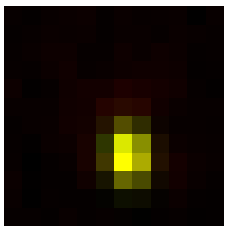
Coordinates : 35.0 um (x), 26.8 um (y), 49.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	371 nm	386 nm	270 nm
max	516 nm	538 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.718		
Theta	-85.1°		

XY profile & fitting parameters :

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

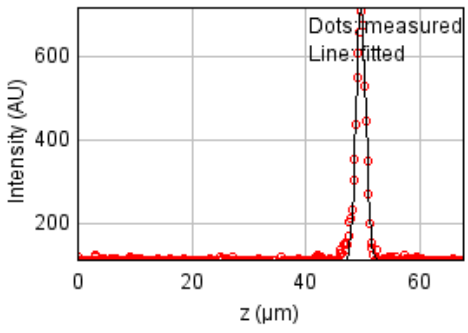




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 772.936 (brightness)
B = 127.230 (background)
a = 0.972 px
b = -0.040 px
c = 0.507 px
xc = 6.277 px
yc = 7.617 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32860.2260
Standard deviation: 10.34585
R^2: 0.98614
Parameters:
a = 114.30894
b = 717.29065
c = 49.71769
d = 0.83430

Bead 2582

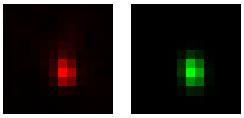
Date : Mon Oct 17 13:53:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

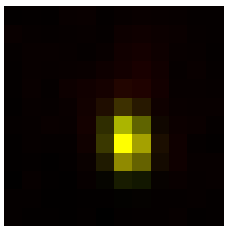
Coordinates : 57.9 um (x), 22.6 um (y), 49.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	366 nm	381 nm	270 nm
max	531 nm	553 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.689		
Theta	-83.1°		

XY profile & fitting parameters :

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

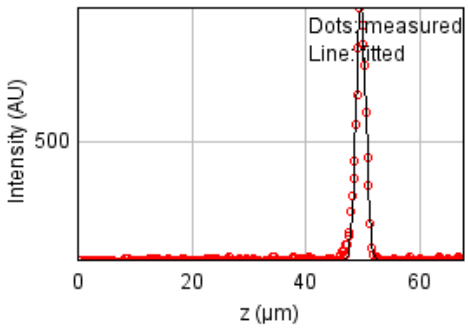




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

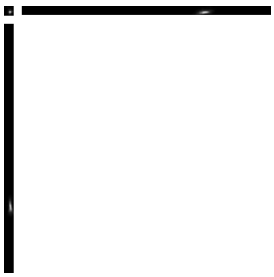
Parameters:
A = 923.441 (brightness)
B = 129.852 (background)
a = 0.994 px
b = -0.063 px
c = 0.483 px
xc = 6.261 px
yc = 6.894 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 49324.5472
Standard deviation: 12.67542
R^2: 0.98880
Parameters:
a = 113.78598
b = 931.45461
c = 49.71645
d = 0.84603

Bead 2583



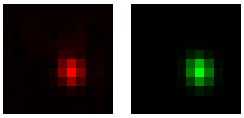
Date : Mon Oct 17 13:53:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

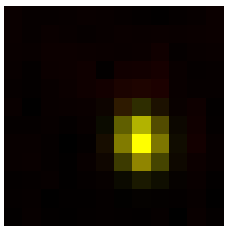
Coordinates : -19.8 um (x), 13.8 um (y), 49.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	520 nm	542 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.806		
Theta	-79.5°		

XY profile & fitting parameters :

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

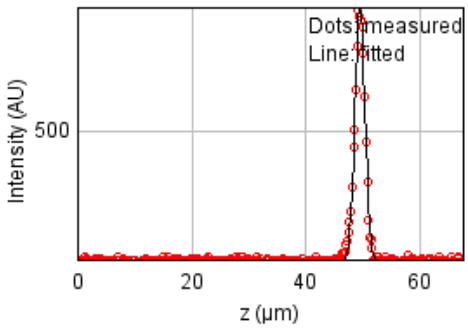




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.977

Parameters:
A = 733.178 (brightness)
B = 124.294 (background)
a = 0.755 px
b = -0.048 px
c = 0.505 px
xc = 6.977 px
yc = 6.853 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28670.8192
Standard deviation: 9.66387
R^2: 0.99257
Parameters:
a = 114.42884
b = 873.64337
c = 49.54215
d = 0.86331

Bead 2584

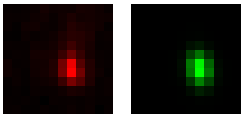
Date : Mon Oct 17 13:53:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

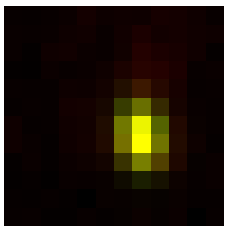
Coordinates : 122 um (x), 11.4 um (y), 49.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	423 nm	270 nm
max	606 nm	631 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.669		
Theta	-83.1°		

XY profile & fitting parameters :

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

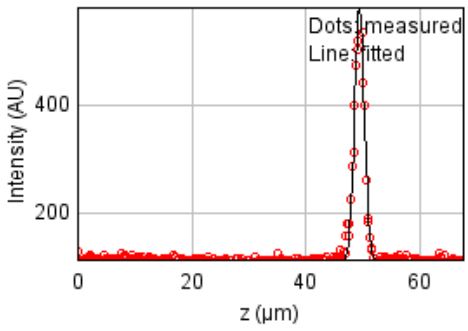




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

Parameters:
A = 490.543 (brightness)
B = 119.414 (background)
a = 0.809 px
b = -0.053 px
c = 0.372 px
xc = 6.979 px
yc = 6.558 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28496.9976
Standard deviation: 9.63453
R^2: 0.98067
Parameters:
a = 112.73068
b = 583.13918
c = 49.45245
d = 0.84873

Bead 2585

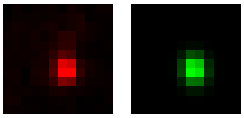
Date : Mon Oct 17 13:53:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

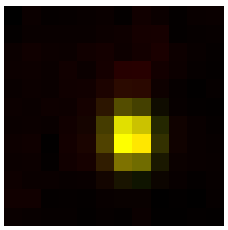
Coordinates : 7.57 um (x), -3.34 um (y), 49.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	536 nm	558 nm	270 nm
z	2.32 um	2.33 um	1.3 um
Asymmetry	0.8		
Theta	-85.2°		

XY profile & fitting parameters :

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

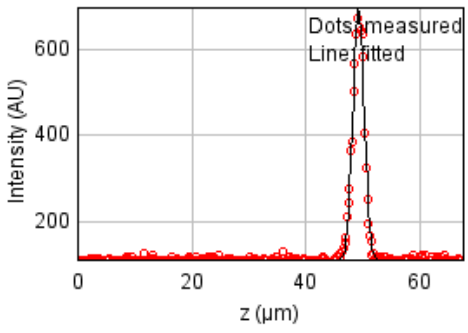




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 679.152 (brightness)
B = 128.727 (background)
a = 0.728 px
b = -0.022 px
c = 0.469 px
xc = 6.421 px
yc = 6.659 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27321.7928
Standard deviation: 9.43377
R^2: 0.98939
Parameters:
a = 112.90500
b = 694.43105
c = 49.29141
d = 0.98619

Bead 2586

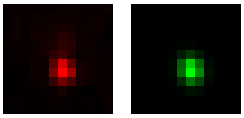
Date : Mon Oct 17 13:53:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

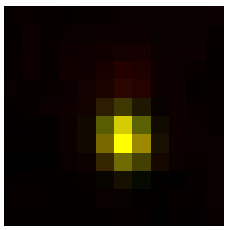
Coordinates : 5.73 um (x), -4.89 um (y), 49.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	502 nm	522 nm	270 nm
z	2.09 um	2.09 um	1.3 um
Asymmetry	0.829		
Theta	-75.7°		

XY profile & fitting parameters :

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

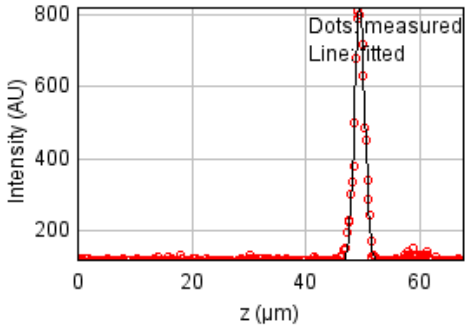




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 720.163 (brightness)
B = 128.675 (background)
a = 0.761 px
b = -0.058 px
c = 0.548 px
xc = 6.067 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: 40778.8471
Standard deviation: 11.52520
R^2: 0.98808
Parameters:
a = 115.89511
b = 820.44701
c = 49.48522
d = 0.88599

Bead 2587

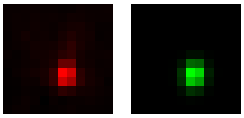
Date : Mon Oct 17 13:53:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

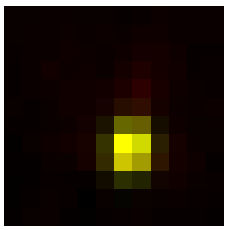
Coordinates : -6.51 um (x), -27.9 um (y), 50.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.805		
Theta	83.3°		

XY profile & fitting parameters :

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

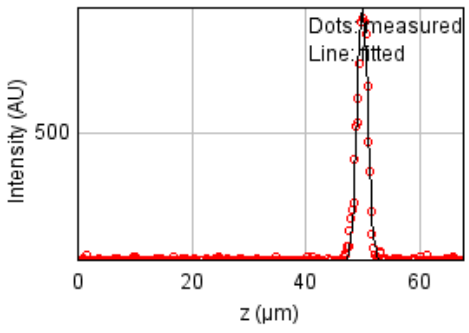




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 961.393 (brightness)
B = 131.813 (background)
a = 0.890 px
b = 0.036 px
c = 0.584 px
xc = 6.398 px
yc = 7.252 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61400.2536
Standard deviation: 14.14216
R^2: 0.98563
Parameters:
a = 112.94205
b = 886.63934
c = 49.97965
d = 0.91714

Bead 2588

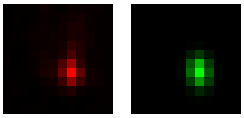
Date : Mon Oct 17 13:53:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

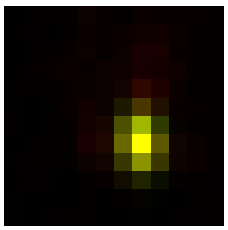
Coordinates : 108 um (x), -39.5 um (y), 49.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	369 nm	384 nm	270 nm
max	552 nm	574 nm	270 nm
z	2.04 um	2.04 um	1.3 um
Asymmetry	0.669		
Theta	-86.2°		

XY profile & fitting parameters :

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

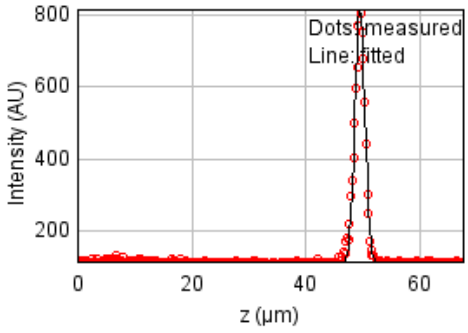




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 701.452 (brightness)
B = 125.556 (background)
a = 0.984 px
b = -0.036 px
c = 0.443 px
xc = 6.947 px
yc = 6.874 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31779.8665
Standard deviation: 10.17435
R^2: 0.99047
Parameters:
a = 111.95451
b = 816.50400
c = 49.53456
d = 0.86466

Bead 2589

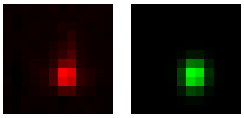
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

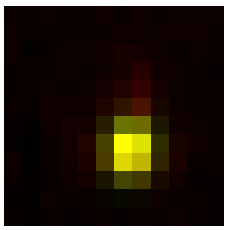
Coordinates : 22.7 um (x), -47.5 um (y), 49.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	426 nm	443 nm	270 nm
max	532 nm	554 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.8		
Theta	84.7°		

XY profile & fitting parameters :

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

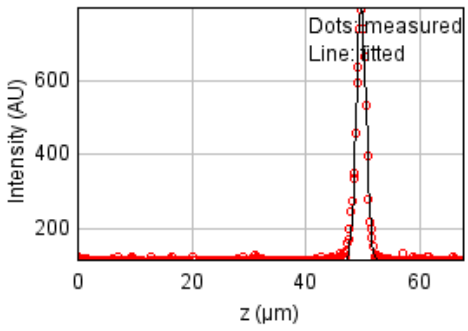




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 780.742 (brightness)
B = 127.961 (background)
a = 0.738 px
b = 0.024 px
c = 0.476 px
xc = 6.407 px
yc = 7.301 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40842.3696
Standard deviation: 11.53417
R^2: 0.98675
Parameters:
a = 114.92224
b = 798.44181
c = 49.76609
d = 0.84541

Bead 2590

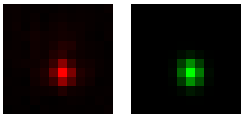
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

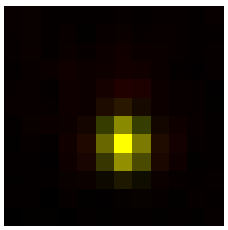
Coordinates : -25.9 um (x), -54.7 um (y), 49.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	402 nm	419 nm	270 nm
max	476 nm	496 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.844		
Theta	-80.5°		

XY profile & fitting parameters :

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

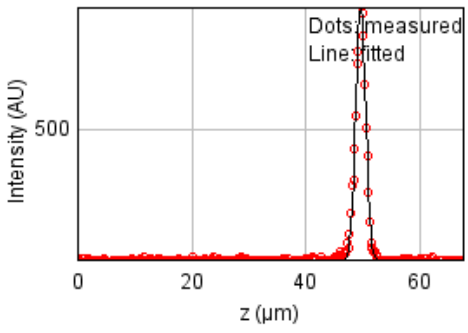




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 726.447 (brightness)
B = 129.038 (background)
a = 0.824 px
b = -0.039 px
c = 0.598 px
xc = 6.051 px
yc = 7.020 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28322.3874
Standard deviation: 9.60496
R^2: 0.99237
Parameters:
a = 113.42356
b = 860.11977
c = 49.67215
d = 0.85905

Bead 2591 (Rejected)

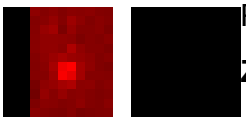
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -164 um (x), -80.3 um (y), 47.9 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	2.64 um	2.65 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

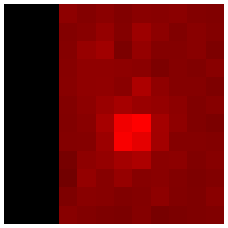
XY profile & fitting parameters :

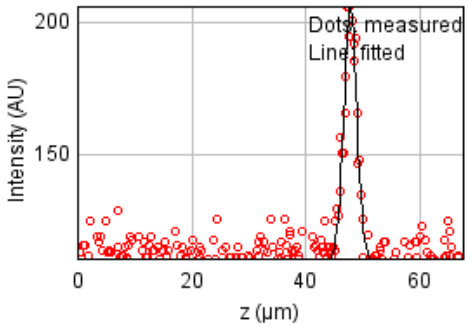
(red : the orignal data, green : the fit, yellow : the two merged)



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: 10858.0226
Standard deviation: 5.94711
R^2: 0.87794
Parameters:
a = 110.32713
b = 206.09979
c = 47.86469
d = 1.12283

Bead 2592 (Rejected)

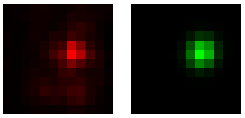
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

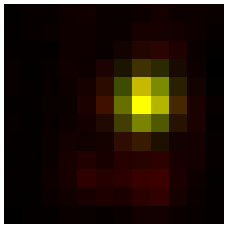
Coordinates : 67.4 um (x), -85.9 um (y), 50.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	474 nm	494 nm	270 nm
max	527 nm	549 nm	270 nm
z	3.93 um	3.94 um	1.3 um
Asymmetry	0.9		
Theta	74.9°		

XY profile & fitting parameters :

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

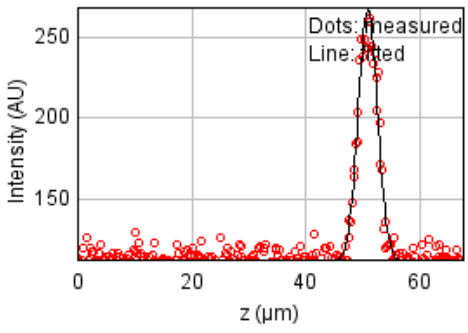




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.902

Parameters:
A = 755.633 (brightness)
B = 155.026 (background)
a = 0.589 px
b = 0.029 px
c = 0.491 px
xc = 7.214 px
yc = 4.815 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18901.1050
Standard deviation: 7.84647
R^2: 0.94084
Parameters:
a = 111.92786
b = 268.51379
c = 50.93748
d = 1.66707

Bead 2593 (Rejected)

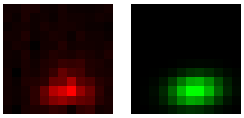
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

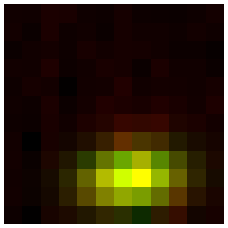
Coordinates : -27.6 um (x), -92.9 um (y), 45.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	562 nm	585 nm	270 nm
max	928 nm	966 nm	270 nm
z	2.97 um	2.99 um	1.3 um
Asymmetry	0.606		
Theta	5.9°		

XY profile & fitting parameters :

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



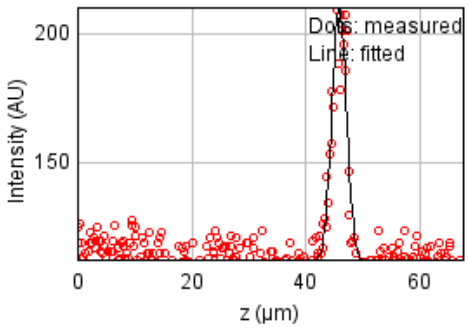


Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.922

Parameters:
A = 221.061 (brightness)
B = 119.883 (background)
a = 0.159 px
b = 0.028 px
c = 0.422 px

xc = 6.486 px
yc = 8.968 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15548.3387
Standard deviation: 7.11660
R^2: 0.85486
Parameters:
a = 112.15148
b = 210.33291
c = 45.89973
d = 1.26254

Bead 2594

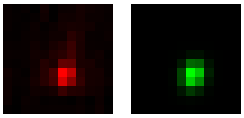
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

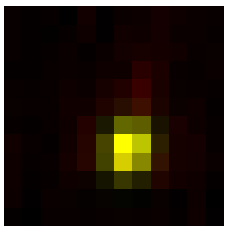
Coordinates : 114 um (x), -94.5 um (y), 49.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	501 nm	522 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.809		
Theta	72.4°		

XY profile & fitting parameters :

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

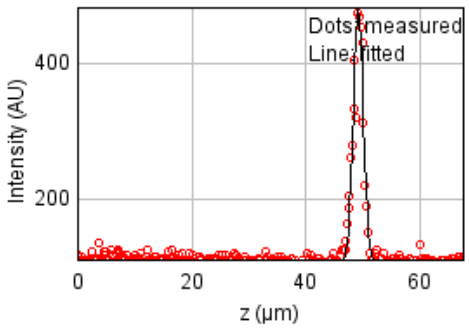




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.929

Parameters:
A = 455.577 (brightness)
B = 120.359 (background)
a = 0.792 px
b = 0.081 px
c = 0.561 px
xc = 6.308 px
yc = 7.266 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40254.9317
Standard deviation: 11.45092
R^2: 0.95696
Parameters:
a = 112.30883
b = 480.75407
c = 49.25028
d = 0.85681

Bead 2595

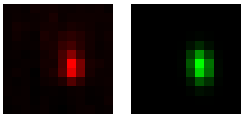
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

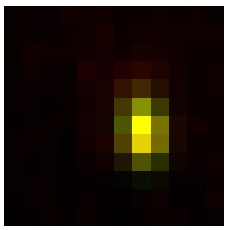
Coordinates : 81.0 um (x), 82.3 um (y), 49.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	375 nm	391 nm	270 nm
max	599 nm	624 nm	270 nm
z	1.86 um	1.87 um	1.3 um
Asymmetry	0.626		
Theta	-84.3°		

XY profile & fitting parameters :

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

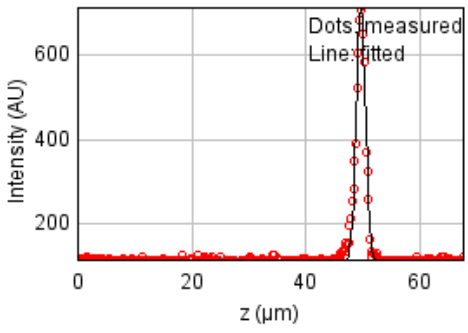




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

Parameters:
A = 601.321 (brightness)
B = 125.079 (background)
a = 0.947 px
b = -0.057 px
c = 0.379 px
xc = 7.088 px
yc = 6.262 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37766.2709
Standard deviation: 11.09131
R^2: 0.98303
Parameters:
a = 113.43211
b = 711.74531
c = 49.71169
d = 0.79109

Bead 2596

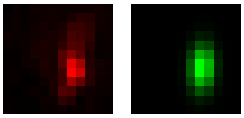
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

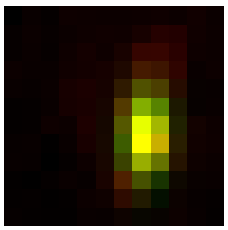
Coordinates : 73.8 um (x), 66.4 um (y), 49.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	438 nm	456 nm	270 nm
max	841 nm	876 nm	270 nm
z	1.66 um	1.67 um	1.3 um
Asymmetry	0.521		
Theta	87.5°		

XY profile & fitting parameters :

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

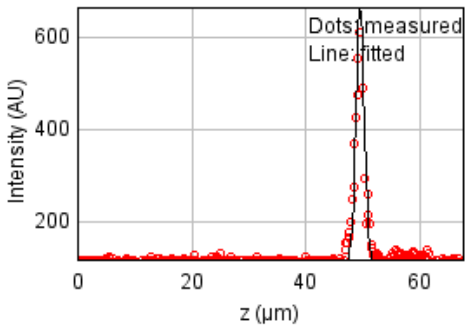




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.905

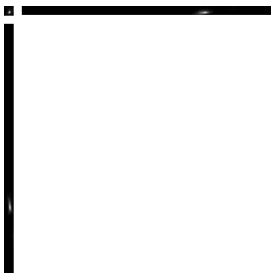
Parameters:
A = 523.806 (brightness)
B = 130.975 (background)
a = 0.698 px
b = 0.022 px
c = 0.191 px
xc = 7.248 px
yc = 6.473 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 108293.204
Standard deviation: 18.78155
R^2: 0.93920
Parameters:
a = 115.12421
b = 668.15600
c = 49.57231
d = 0.70491

Bead 2597



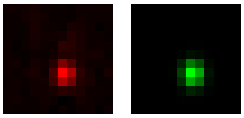
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

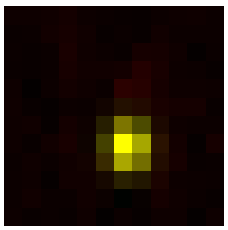
Coordinates : -143 um (x), 65.4 um (y), 49.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	472 nm	492 nm	270 nm
z	2.1 um	2.11 um	1.3 um
Asymmetry	0.819		
Theta	-88.7°		

XY profile & fitting parameters :

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

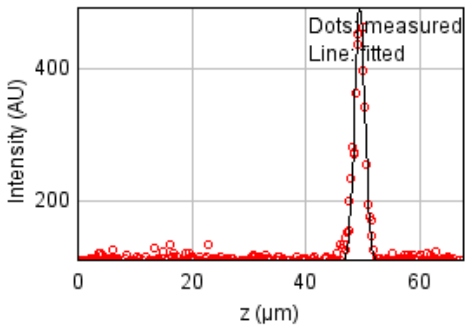




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

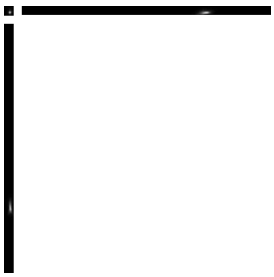
Parameters:
A = 434.123 (brightness)
B = 119.933 (background)
a = 0.897 px
b = -0.007 px
c = 0.602 px
xc = 6.263 px
yc = 7.148 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36136.1030
Standard deviation: 10.84929
R^2: 0.96438
Parameters:
a = 112.24342
b = 490.02655
c = 49.51189
d = 0.89259

Bead 2598



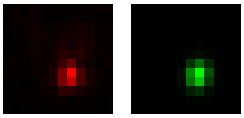
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

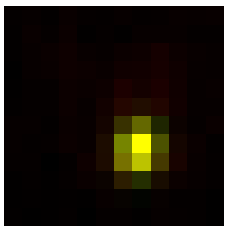
Coordinates : 22.8 um (x), 32.2 um (y), 49.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	482 nm	502 nm	270 nm
z	1.85 um	1.86 um	1.3 um
Asymmetry	0.8		
Theta	81.0°		

XY profile & fitting parameters :

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

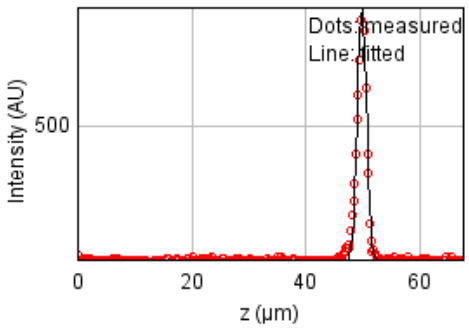




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 746.848 (brightness)
B = 126.412 (background)
a = 0.893 px
b = 0.050 px
c = 0.585 px
xc = 6.848 px
yc = 7.282 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50767.9769
Standard deviation: 12.85955
R^2: 0.98442
Parameters:
a = 114.36633
b = 840.73527
c = 49.89434
d = 0.78699

Bead 2599

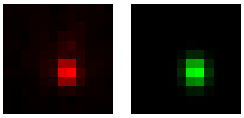
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

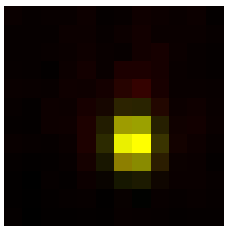
Coordinates : 61.1 um (x), -11.1 um (y), 50.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	502 nm	523 nm	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.798		
Theta	-87.3°		

XY profile & fitting parameters :

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

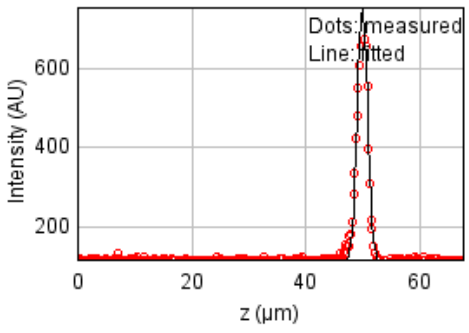




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 773.781 (brightness)
B = 126.732 (background)
a = 0.835 px
b = -0.014 px
c = 0.532 px
xc = 6.537 px
yc = 6.920 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41584.4377
Standard deviation: 11.63848
R^2: 0.98538
Parameters:
a = 114.19949
b = 755.61390
c = 49.97795
d = 0.88690

Bead 2600

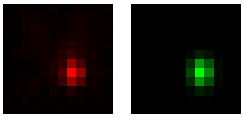
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

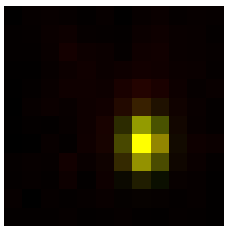
Coordinates : 21.4 um (x), -30.2 um (y), 49.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	389 nm	270 nm
max	502 nm	523 nm	270 nm
z	2.01 um	2.02 um	1.3 um
Asymmetry	0.744		
Theta	89.4°		

XY profile & fitting parameters :

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

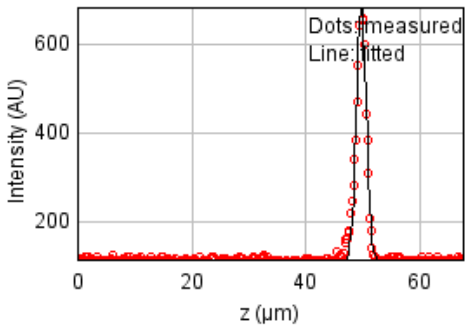




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 615.473 (brightness)
B = 123.402 (background)
a = 0.962 px
b = 0.005 px
c = 0.532 px
xc = 7.162 px
yc = 6.970 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 35739.6910
Standard deviation: 10.78962
R^2: 0.98355
Parameters:
a = 114.79046
b = 685.51526
c = 49.79076
d = 0.85234