Bead 2601

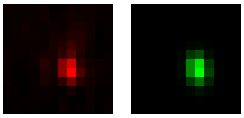
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

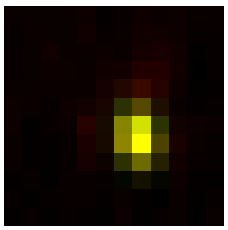
Coordinates : 83.3 um (x), -39.2 um (y), 49.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	364 nm	379 nm	270 nm
max	523 nm	545 nm	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.695		
Theta	-82.5°		

XY profile & fitting parameters :

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

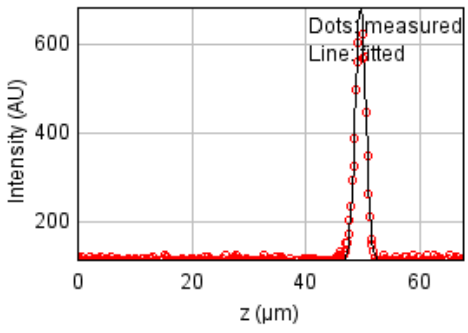




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.946

Parameters:
A = 650.242 (brightness)
B = 123.170 (background)
a = 1.004 px
b = -0.068 px
c = 0.499 px
xc = 6.799 px
yc = 6.603 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26709.4673
Standard deviation: 9.32746
R^2: 0.98831
Parameters:
a = 112.96875
b = 683.01691
c = 49.63665
d = 0.90525

Bead 2602 (Rejected)

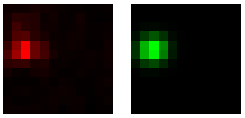
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

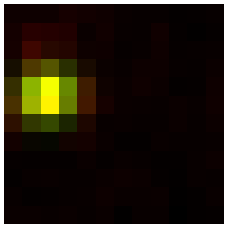
Coordinates : 4.36 um (x), -71.9 um (y), 41.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	480 nm	500 nm	270 nm
max	527 nm	548 nm	270 nm
z	2.89 um	2.9 um	1.3 um
Asymmetry	0.911		
Theta	11.9°		

XY profile & fitting parameters :

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

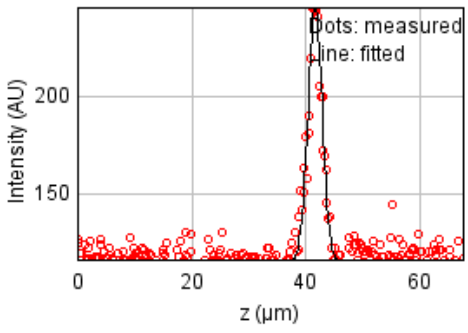




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.927

Parameters:
A = 424.227 (brightness)
B = 120.715 (background)
a = 0.488 px
b = 0.020 px
c = 0.579 px
xc = 1.840 px
yc = 4.461 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 16111.0271
Standard deviation: 7.24423
R^2: 0.90686
Parameters:
a = 115.84705
b = 246.08950
c = 41.68665
d = 1.22653

Bead 2603 (Rejected)

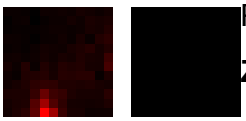
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -2.64 um (x), -83.7 um (y), 48.3 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	6.03 um	6.06 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

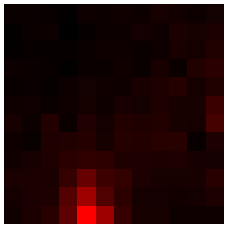
XY profile & fitting parameters :

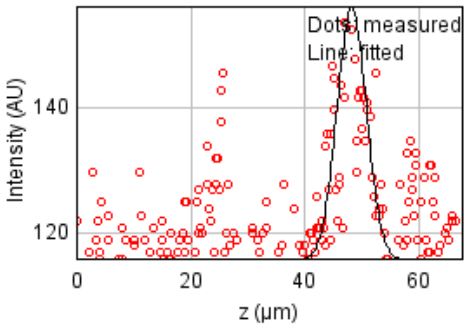
(red : the orignal data, green : the fit, yellow : the two merged)



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: 25410.0460
Standard deviation: 9.09774
R^2: 0.53792
Parameters:
a = 115.73546
b = 156.41630
c = 48.27612
d = 2.56194

Bead 2604

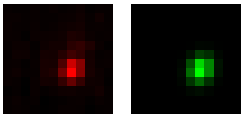
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

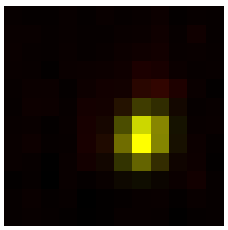
Coordinates : 73.5 um (x), -83.9 um (y), 49.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	508 nm	529 nm	270 nm
z	1.88 um	1.88 um	1.3 um
Asymmetry	0.814		
Theta	69.7°		

XY profile & fitting parameters :

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

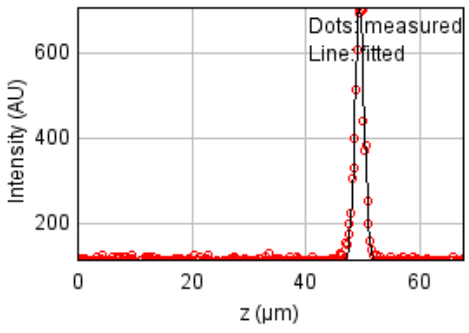




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 597.952 (brightness)
B = 122.999 (background)
a = 0.753 px
b = 0.086 px
c = 0.552 px
xc = 7.109 px
yc = 6.637 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44217.5984
Standard deviation: 12.00130
R^2: 0.97991
Parameters:
a = 113.31904
b = 705.36924
c = 49.48443
d = 0.79677

Bead 2605 (Rejected)

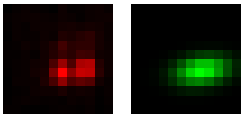
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

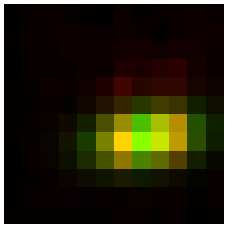
Coordinates : -37.6 um (x), -84.3 um (y), 49.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	522 nm	544 nm	270 nm
max	983 nm	1.02 um	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.531		
Theta	8.8°		

XY profile & fitting parameters :

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

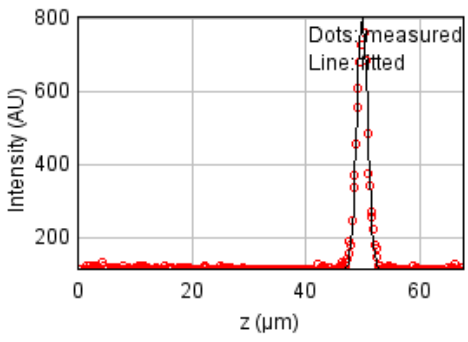




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.820

Parameters:
A = 582.647 (brightness)
B = 131.028 (background)
a = 0.147 px
b = 0.054 px
c = 0.484 px
xc = 7.235 px
yc = 6.779 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 61441.1292
Standard deviation: 14.14687
R^2: 0.98232
Parameters:
a = 114.80480
b = 806.25563
c = 49.94069
d = 0.93157

Bead 2606 (Rejected)

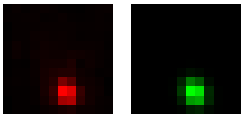
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

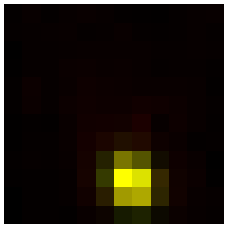
Coordinates : -58.6 um (x), 83.0 um (y), 45.8 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	476 nm	495 nm	270 nm
z	3.57 um	3.58 um	1.3 um
Asymmetry	0.834		
Theta	-63.7°		

XY profile & fitting parameters :

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

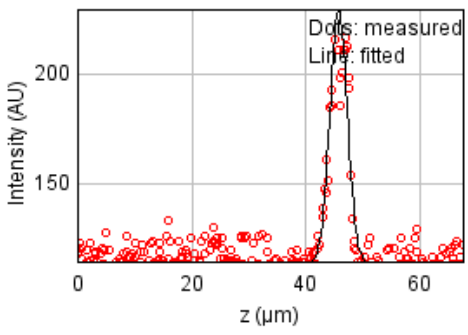




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.980

Parameters:
A = 991.279 (brightness)
B = 129.887 (background)
a = 0.801 px
b = -0.103 px
c = 0.644 px
xc = 6.446 px
yc = 9.180 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23298.8814
Standard deviation: 8.71161
R^2: 0.86550
Parameters:
a = 113.85429
b = 229.34777
c = 45.80844
d = 1.51521

Bead 2607

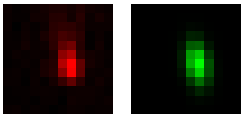
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

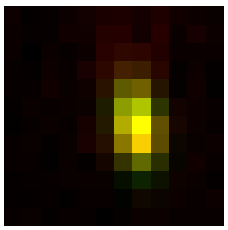
Coordinates : 155 um (x), 52.5 um (y), 50.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	779 nm	811 nm	270 nm
z	2.19 um	2.19 um	1.3 um
Asymmetry	0.529		
Theta	-81.6°		

XY profile & fitting parameters :

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

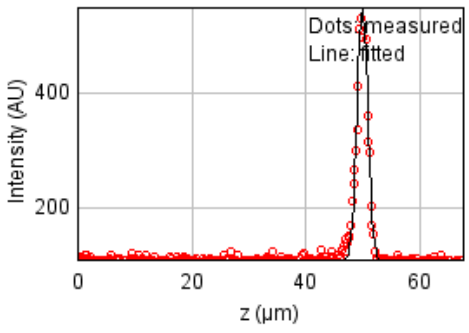




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.931

Parameters:
A = 400.582 (brightness)
B = 117.184 (background)
a = 0.777 px
b = -0.082 px
c = 0.233 px
xc = 6.748 px
yc = 5.966 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30603.2707
Standard deviation: 9.98423
R^2: 0.97811
Parameters:
a = 110.26839
b = 548.67779
c = 49.98170
d = 0.92817

Bead 2608

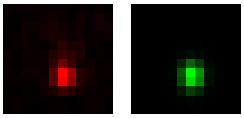
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

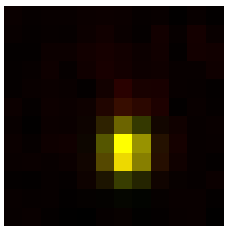
Coordinates : -126 um (x), 44.0 um (y), 49.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	493 nm	513 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.82		
Theta	-88.5°		

XY profile & fitting parameters :

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

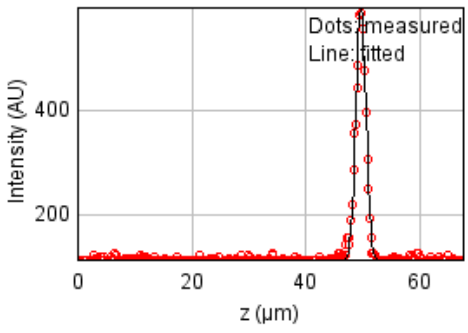




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 522.810 (brightness)
B = 122.362 (background)
a = 0.822 px
b = -0.007 px
c = 0.553 px
xc = 6.166 px
yc = 7.355 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30020.2454
Standard deviation: 9.88867
R^2: 0.98108
Parameters:
a = 111.92923
b = 596.02029
c = 49.72107
d = 0.86333

Bead 2609 (Rejected)

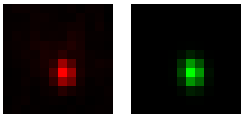
Date : Mon Oct 17 13:53:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

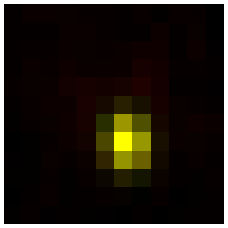
Coordinates : 12.6 um (x), 43.2 um (y), 49.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	503 nm	524 nm	270 nm
z	3.22 um	3.23 um	1.3 um
Asymmetry	0.762		
Theta	-82.5°		

XY profile & fitting parameters :

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

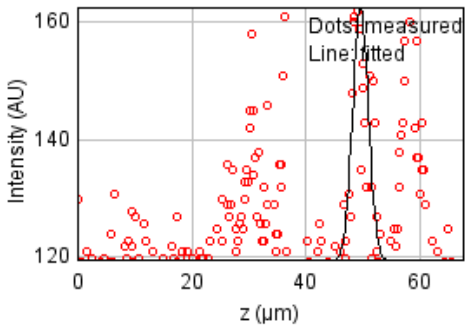




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 801.568 (brightness)
B = 128.240 (background)
a = 0.906 px
b = -0.049 px
c = 0.536 px
xc = 6.209 px
yc = 7.011 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53823.9168
Standard deviation: 13.24093
R^2: 0.25870
Parameters:
a = 119.51260
b = 162.39411
c = 49.64575
d = 1.36542

Bead 2610 (Rejected)

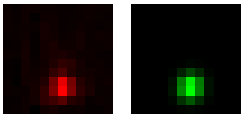
Date : Mon Oct 17 13:53:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

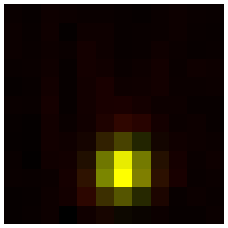
Coordinates : -122 um (x), 26.2 um (y), 46.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	445 nm	463 nm	270 nm
max	478 nm	498 nm	270 nm
z	3.22 um	3.23 um	1.3 um
Asymmetry	0.93		
Theta	75.6°		

XY profile & fitting parameters :

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

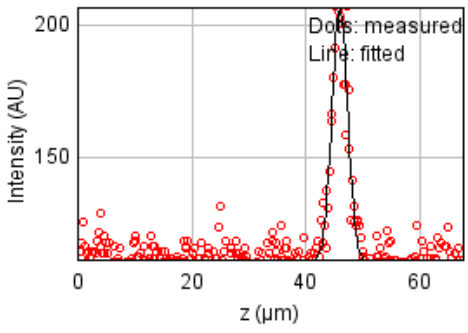




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 620.746 (brightness)
B = 122.754 (background)
a = 0.673 px
b = 0.022 px
c = 0.593 px
xc = 5.992 px
yc = 8.568 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 2611

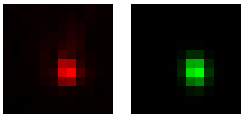
Date : Mon Oct 17 13:53:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

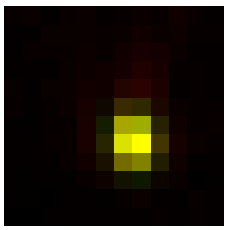
Coordinates : 60.0 um (x), 1.25 um (y), 50.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	397 nm	413 nm	270 nm
max	506 nm	527 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.784		
Theta	-82.7°		

XY profile & fitting parameters :

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

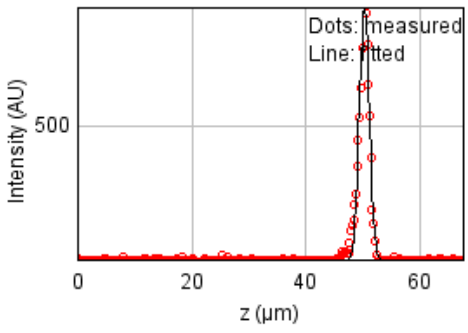




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 893.384 (brightness)
B = 129.530 (background)
a = 0.848 px
b = -0.041 px
c = 0.530 px
xc = 6.567 px
yc = 6.834 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 51710.3811
Standard deviation: 12.97836
R^2: 0.98563
Parameters:
a = 113.97207
b = 844.79575
c = 50.32121
d = 0.86307

Bead 2612

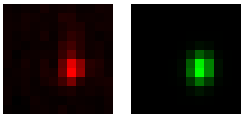
Date : Mon Oct 17 13:53:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

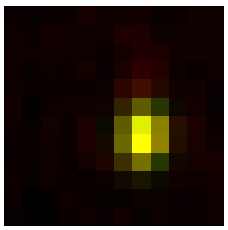
Coordinates : -131 um (x), -454 nm (y), 49.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	429 nm	270 nm
max	547 nm	570 nm	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.752		
Theta	85.0°		

XY profile & fitting parameters :

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

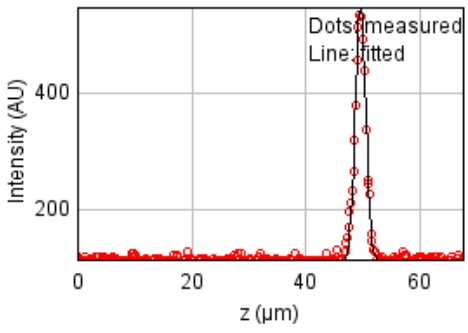




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.944

Parameters:
A = 436.804 (brightness)
B = 121.412 (background)
a = 0.790 px
b = 0.030 px
c = 0.450 px
xc = 7.092 px
yc = 6.566 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23771.2850
Standard deviation: 8.79948
R^2: 0.98221
Parameters:
a = 112.33352
b = 547.43167
c = 49.65076
d = 0.90335

Bead 2613

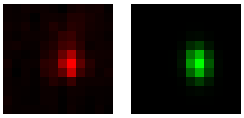
Date : Mon Oct 17 13:53:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

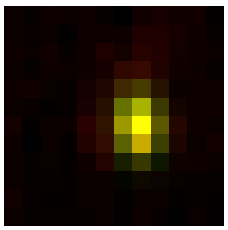
Coordinates : 124 um (x), -19.5 um (y), 49.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	602 nm	627 nm	270 nm
z	1.98 um	1.98 um	1.3 um
Asymmetry	0.682		
Theta	-85.5°		

XY profile & fitting parameters :

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

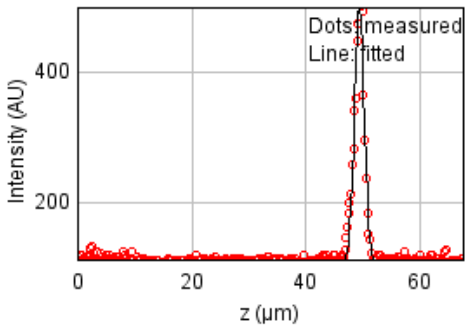




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.925

Parameters:
A = 403.128 (brightness)
B = 121.179 (background)
a = 0.793 px
b = -0.033 px
c = 0.373 px
xc = 6.823 px
yc = 5.966 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27579.5452
Standard deviation: 9.47817
R^2: 0.97246
Parameters:
a = 111.96965
b = 500.11499
c = 49.43337
d = 0.83921

Bead 2614

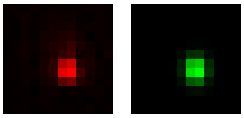
Date : Mon Oct 17 13:53:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

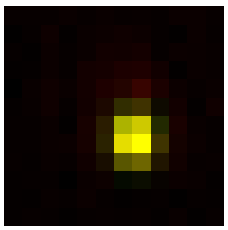
Coordinates : -52.2 um (x), -23.8 um (y), 50.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	411 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.82		
Theta	-87.5°		

XY profile & fitting parameters :

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

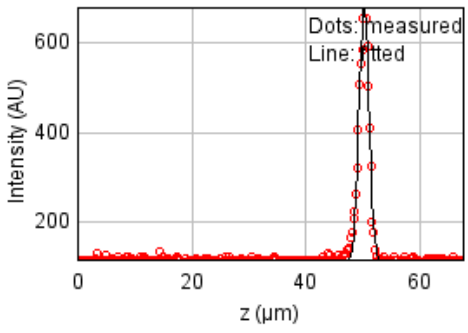




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 656.486 (brightness)
B = 123.239 (background)
a = 0.863 px
b = -0.012 px
c = 0.581 px
xc = 6.579 px
yc = 6.697 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28429.6028
Standard deviation: 9.62313
R^2: 0.98693
Parameters:
a = 114.13201
b = 683.93077
c = 50.26594
d = 0.85924

Bead 2615 (Rejected)

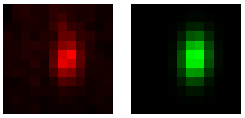
Date : Mon Oct 17 13:53:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

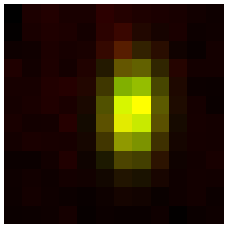
Coordinates : 134 um (x), -24.4 um (y), 49.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	500 nm	521 nm	270 nm
max	841 nm	876 nm	270 nm
z	2.34 um	2.35 um	1.3 um
Asymmetry	0.595		
Theta	86.7°		

XY profile & fitting parameters :

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

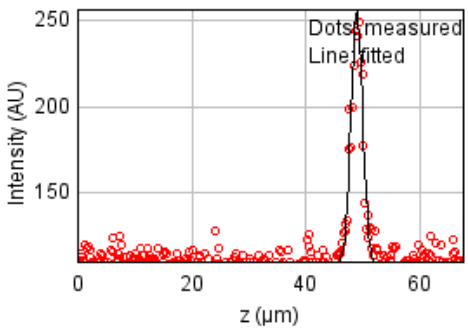




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.944

Parameters:
A = 275.534 (brightness)
B = 118.768 (background)
a = 0.535 px
b = 0.020 px
c = 0.191 px
xc = 6.523 px
yc = 5.323 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14759.9886
Standard deviation: 6.93384
R^2: 0.91645
Parameters:
a = 110.21219
b = 256.18159
c = 48.99585
d = 0.99489

Bead 2616

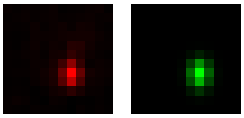
Date : Mon Oct 17 13:53:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

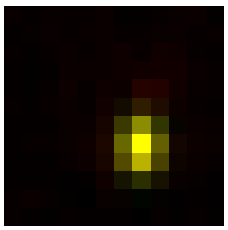
Coordinates : 58.5 um (x), -27.2 um (y), 50.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	377 nm	393 nm	270 nm
max	527 nm	549 nm	270 nm
z	1.83 um	1.83 um	1.3 um
Asymmetry	0.716		
Theta	88.7°		

XY profile & fitting parameters :

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

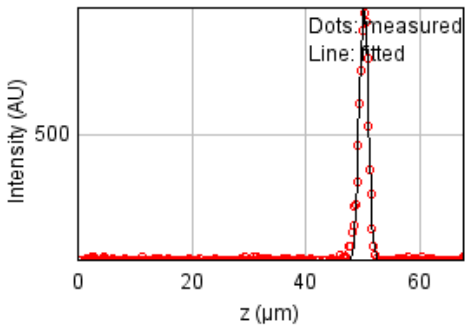




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 784.739 (brightness)
B = 126.261 (background)
a = 0.942 px
b = 0.011 px
c = 0.483 px
xc = 6.974 px
yc = 7.125 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 39247.5394
Standard deviation: 11.30673
R^2: 0.98920
Parameters:
a = 114.38479
b = 888.83682
c = 50.22204
d = 0.77567

Bead 2617

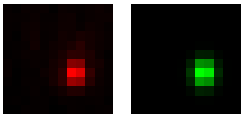
Date : Mon Oct 17 13:53:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

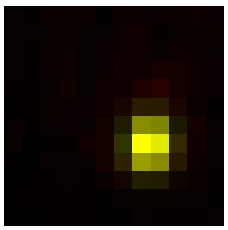
Coordinates : -20.8 um (x), -33.6 um (y), 50.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	499 nm	519 nm	270 nm
z	2.25 um	2.26 um	1.3 um
Asymmetry	0.804		
Theta	87.2°		

XY profile & fitting parameters :

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

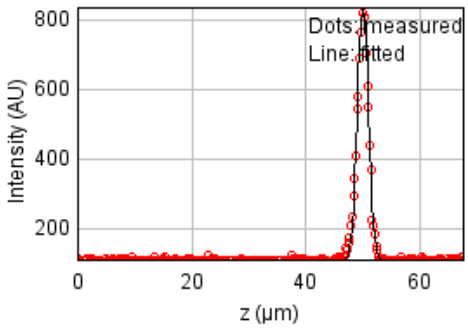




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 922.570 (brightness)
B = 128.528 (background)
a = 0.833 px
b = 0.014 px
c = 0.540 px
xc = 7.446 px
yc = 7.035 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37175.3688
Standard deviation: 11.00420
R^2: 0.99044
Parameters:
a = 112.38908
b = 837.93611
c = 50.06405
d = 0.95626

Bead 2618

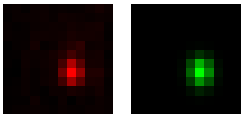
Date : Mon Oct 17 13:53:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

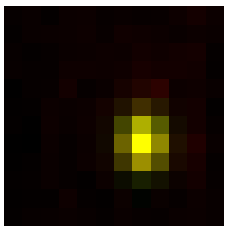
Coordinates : 682 nm (x), -63.0 um (y), 49.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	531 nm	553 nm	270 nm
z	1.93 um	1.93 um	1.3 um
Asymmetry	0.774		
Theta	-88.2°		

XY profile & fitting parameters :

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

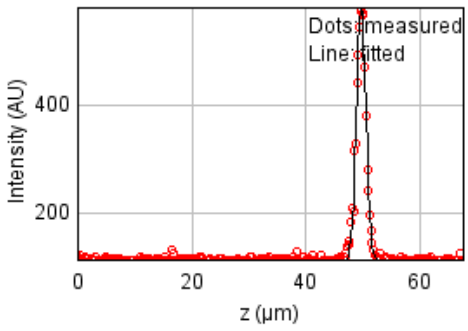




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 461.784 (brightness)
B = 117.866 (background)
a = 0.793 px
b = -0.010 px
c = 0.476 px
xc = 7.098 px
yc = 6.897 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17723.0975
Standard deviation: 7.59802
R^2: 0.98731
Parameters:
a = 113.09780
b = 580.53644
c = 49.76143
d = 0.81806

Bead 2619 (Rejected)

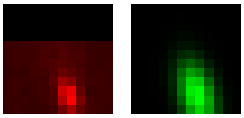
Date : Mon Oct 17 13:53:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

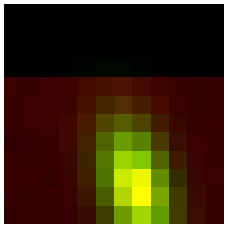
Coordinates : 121 um (x), 95.9 um (y), 49.8 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	637 nm	663 nm	270 nm
max	1.25 um	1.31 um	270 nm
z	3.64 um	3.65 um	1.3 um
Asymmetry	0.508		
Theta	-74.8°		

XY profile & fitting parameters :

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

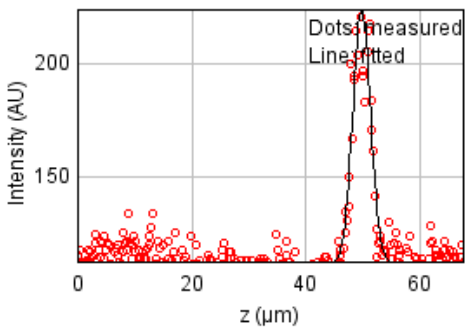




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.670

Parameters:
A = 367.643 (brightness)
B = 66.036 (background)
a = 0.314 px
b = -0.062 px
c = 0.102 px
xc = 6.682 px
yc = 9.419 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19572.8554
Standard deviation: 7.98469
R^2: 0.87967
Parameters:
a = 112.16523
b = 223.97169
c = 49.84844
d = 1.54574

Bead 2620 (Rejected)

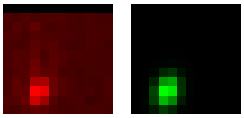
Date : Mon Oct 17 13:53:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

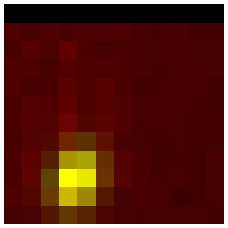
Coordinates : 120 um (x), 95.4 um (y), 10.5 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	441 nm	270 nm
max	577 nm	601 nm	270 nm
z	2.07 um	2.07 um	1.3 um
Asymmetry	0.734		
Theta	72.6°		

XY profile & fitting parameters :

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

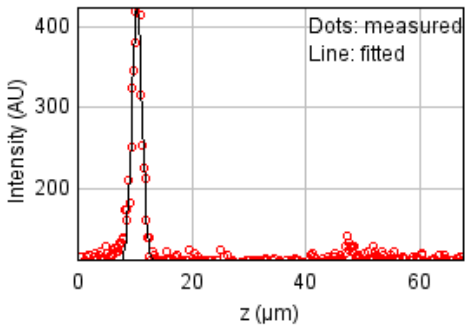




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.622

Parameters:
A = 341.263 (brightness)
B = 111.370 (background)
a = 0.717 px
b = 0.098 px
c = 0.434 px
xc = 3.428 px
yc = 9.027 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28039.1774
Standard deviation: 9.55682
R^2: 0.95879
Parameters:
a = 112.52506
b = 423.58195
c = 10.48770
d = 0.87703

Bead 2621

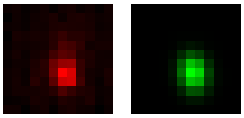
Date : Mon Oct 17 13:53:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

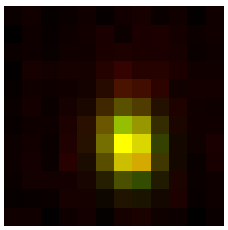
Coordinates : -109 um (x), 76.4 um (y), 48.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	511 nm	532 nm	270 nm
max	685 nm	714 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.746		
Theta	-82.3°		

XY profile & fitting parameters :

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

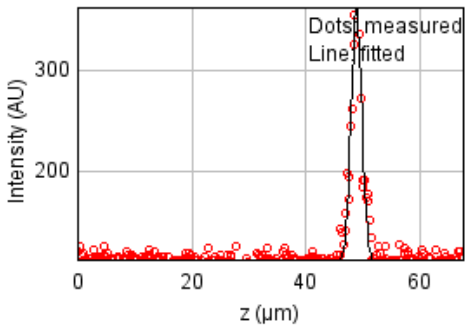




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.931

Parameters:
A = 327.312 (brightness)
B = 123.178 (background)
a = 0.509 px
b = -0.030 px
c = 0.290 px
xc = 6.328 px
yc = 7.034 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 2622

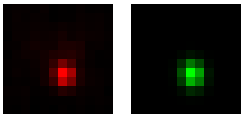
Date : Mon Oct 17 13:53:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

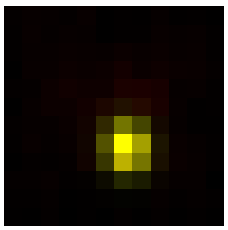
Coordinates : 18.7 um (x), 76.8 um (y), 50.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	484 nm	504 nm	270 nm
z	1.91 um	1.92 um	1.3 um
Asymmetry	0.845		
Theta	-83.5°		

XY profile & fitting parameters :

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

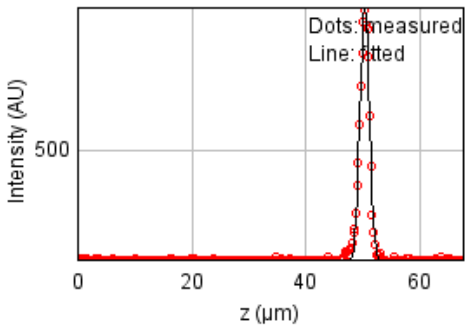




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 910.912 (brightness)
B = 129.688 (background)
a = 0.799 px
b = -0.026 px
c = 0.576 px
xc = 6.213 px
yc = 7.190 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45409.7912
Standard deviation: 12.16202
R^2: 0.99073
Parameters:
a = 114.25644
b = 995.37953
c = 50.38532
d = 0.81012

Bead 2623

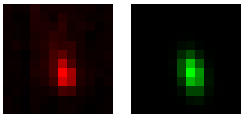
Date : Mon Oct 17 13:53:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

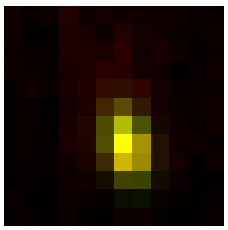
Coordinates : 120 um (x), 67.4 um (y), 49.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	679 nm	707 nm	270 nm
z	2.05 um	2.06 um	1.3 um
Asymmetry	0.571		
Theta	-76.8°		

XY profile & fitting parameters :

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

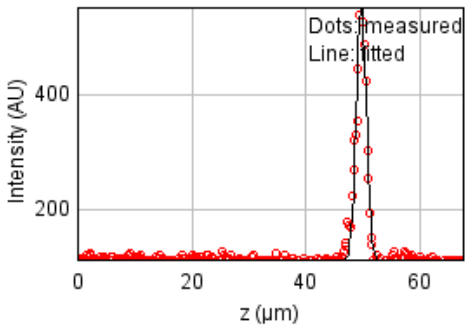




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.923

Parameters:
A = 453.957 (brightness)
B = 123.881 (background)
a = 0.862 px
b = -0.134 px
c = 0.323 px
xc = 6.193 px
yc = 7.043 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34632.4060
Standard deviation: 10.62116
R^2: 0.97385
Parameters:
a = 112.64226
b = 551.24436
c = 49.79148
d = 0.87190

Bead 2624 (Rejected)

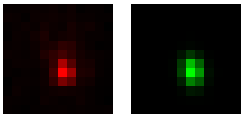
Date : Mon Oct 17 13:53:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

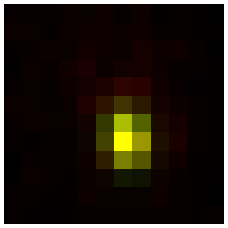
Coordinates : -5.67 um (x), 58.4 um (y), 49.7 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	378 nm	393 nm	270 nm
max	523 nm	545 nm	270 nm
z	1.9 um	1.9 um	1.3 um
Asymmetry	0.722		
Theta	-81.7°		

XY profile & fitting parameters :

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

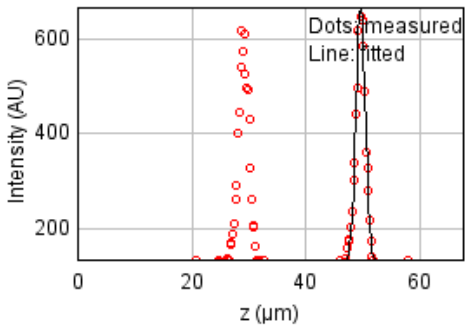




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 533.404 (brightness)
B = 121.171 (background)
a = 0.931 px
b = -0.064 px
c = 0.500 px
xc = 6.206 px
yc = 6.827 px

Z profile & fitting parameters:



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

Bead 2625

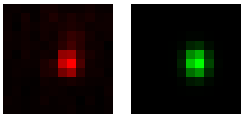
Date : Mon Oct 17 13:53:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

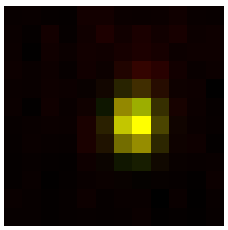
Coordinates : -149 um (x), 53.2 um (y), 49.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	524 nm	546 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.788		
Theta	-89.4°		

XY profile & fitting parameters :

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

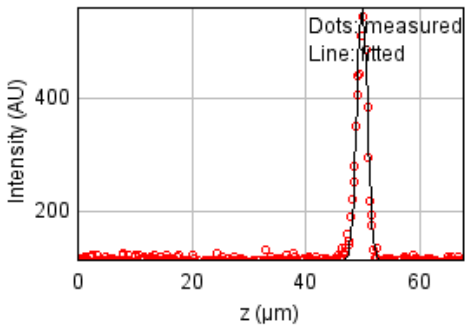




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 462.861 (brightness)
B = 120.195 (background)
a = 0.787 px
b = -0.003 px
c = 0.489 px
xc = 6.662 px
yc = 5.888 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38921.8595
Standard deviation: 11.25972
R^2: 0.97354
Parameters:
a = 112.14222
b = 562.80490
c = 49.92342
d = 0.91927

Bead 2626 (Rejected)

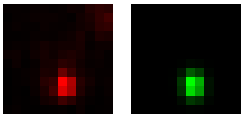
Date : Mon Oct 17 13:53:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

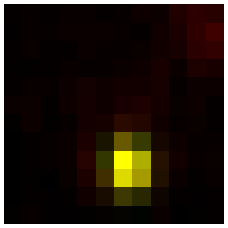
Coordinates : -66.4 um (x), 43.6 um (y), 46.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	389 nm	270 nm
max	470 nm	490 nm	270 nm
z	3.28 um	3.29 um	1.3 um
Asymmetry	0.794		
Theta	-87.1°		

XY profile & fitting parameters :

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

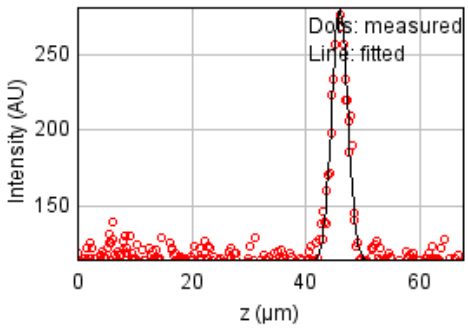




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.910

Parameters:
A = 872.060 (brightness)
B = 143.484 (background)
a = 0.962 px
b = -0.018 px
c = 0.608 px
xc = 6.307 px
yc = 8.376 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16548.5784
Standard deviation: 7.34195
R^2: 0.94608
Parameters:
a = 113.80078
b = 280.97177
c = 45.99949
d = 1.39095

Bead 2627

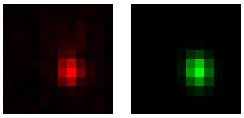
Date : Mon Oct 17 13:53:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

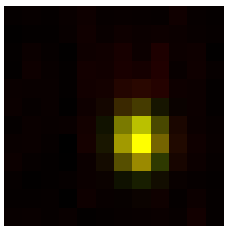
Coordinates : -144 um (x), 12.3 um (y), 49.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	430 nm	448 nm	270 nm
max	549 nm	572 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.784		
Theta	-84.9°		

XY profile & fitting parameters :

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

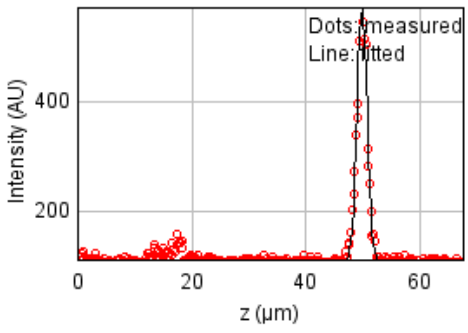




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 487.126 (brightness)
B = 120.773 (background)
a = 0.722 px
b = -0.025 px
c = 0.448 px
xc = 6.844 px
yc = 6.807 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41615.4265
Standard deviation: 11.64281
R^2: 0.97083
Parameters:
a = 113.27069
b = 568.74842
c = 49.91269
d = 0.86820

Bead 2628

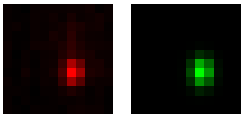
Date : Mon Oct 17 13:53:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

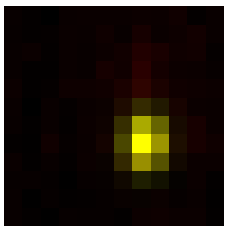
Coordinates : -97.4 um (x), 8.27 um (y), 49.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	521 nm	542 nm	270 nm
z	2.07 um	2.08 um	1.3 um
Asymmetry	0.738		
Theta	89.0°		

XY profile & fitting parameters :

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

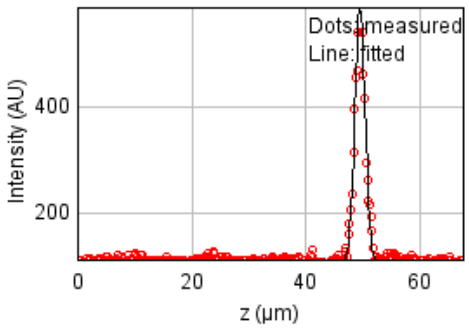




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 516.284 (brightness)
B = 123.830 (background)
a = 0.908 px
b = 0.007 px
c = 0.495 px
xc = 7.203 px
yc = 6.911 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26851.2252
Standard deviation: 9.35218
R^2: 0.98238
Parameters:
a = 113.90388
b = 584.14651
c = 49.55048
d = 0.88069

Bead 2629 (Rejected)

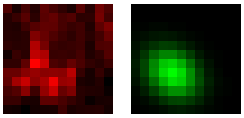
Date : Mon Oct 17 13:53:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

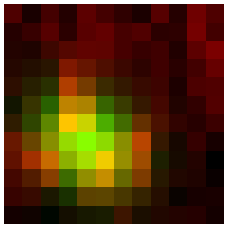
Coordinates : 81.2 um (x), -6.5 um (y), 47.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	861 nm	896 nm	270 nm
max	1.08 um	1.13 um	270 nm
z	1.25 um	1.26 um	1.3 um
Asymmetry	0.796		
Theta	-40.6°		

XY profile & fitting parameters :

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

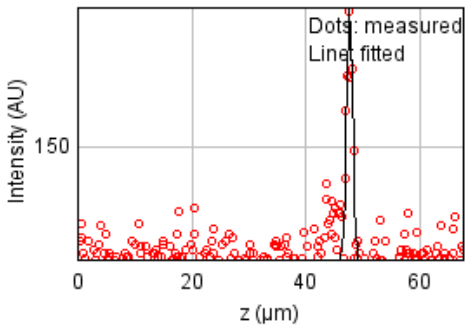




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.484

Parameters:
A = 72.805 (brightness)
B = 130.011 (background)
a = 0.143 px
b = -0.033 px
c = 0.153 px
xc = 4.024 px
yc = 7.063 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14272.1700
Standard deviation: 6.81830
R^2: 0.67230
Parameters:
a = 112.30678
b = 196.07243
c = 47.71823
d = 0.53281

Bead 2630

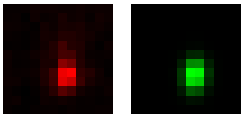
Date : Mon Oct 17 13:53:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

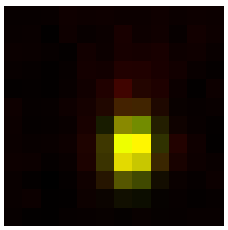
Coordinates : 135 um (x), -14.9 um (y), 50.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	588 nm	612 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.704		
Theta	85.7°		

XY profile & fitting parameters :

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

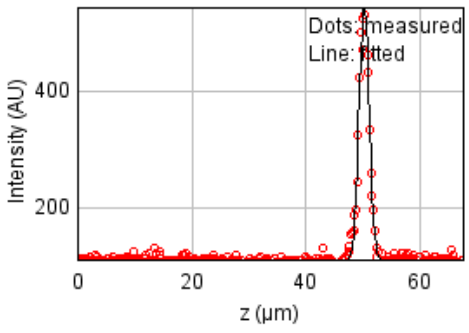




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 526.516 (brightness)
B = 122.366 (background)
a = 0.782 px
b = 0.030 px
c = 0.391 px
xc = 6.467 px
yc = 7.265 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23146.0638
Standard deviation: 8.68299
R^2: 0.98192
Parameters:
a = 112.18486
b = 544.04790
c = 50.28903
d = 0.87674

Bead 2631

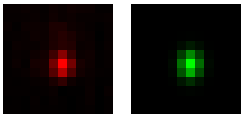
Date : Mon Oct 17 13:53:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

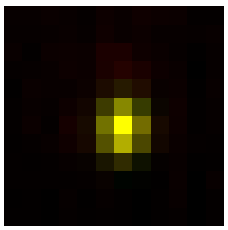
Coordinates : 77.7 um (x), -23.5 um (y), 50.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	514 nm	535 nm	270 nm
z	1.93 um	1.94 um	1.3 um
Asymmetry	0.781		
Theta	87.0°		

XY profile & fitting parameters :

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

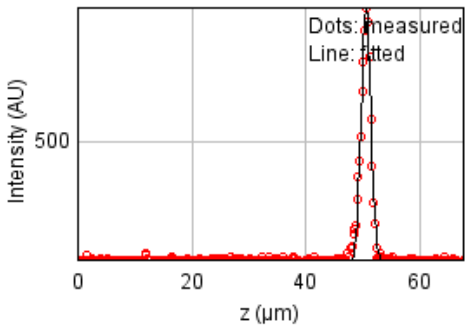




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 811.328 (brightness)
B = 127.464 (background)
a = 0.832 px
b = 0.017 px
c = 0.510 px
xc = 5.982 px
yc = 6.124 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 57381.7042
Standard deviation: 13.67154
R^2: 0.98678
Parameters:
a = 114.30726
b = 936.90599
c = 50.62075
d = 0.82116

Bead 2632

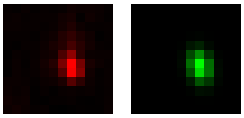
Date : Mon Oct 17 13:53:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

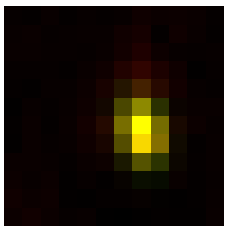
Coordinates : 125 um (x), -23.7 um (y), 50.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	393 nm	409 nm	270 nm
max	596 nm	621 nm	270 nm
z	1.97 um	1.98 um	1.3 um
Asymmetry	0.658		
Theta	-78.9°		

XY profile & fitting parameters :

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

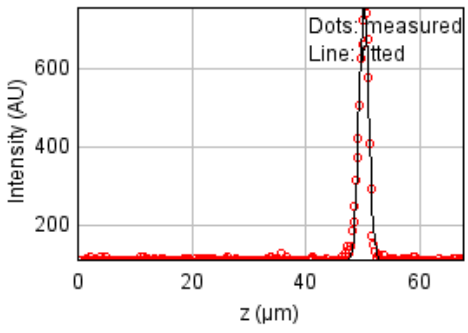




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 647.449 (brightness)
B = 124.650 (background)
a = 0.852 px
b = -0.093 px
c = 0.396 px
xc = 7.027 px
yc = 6.296 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45617.8073
Standard deviation: 12.18984
R^2: 0.98324
Parameters:
a = 112.66397
b = 756.25042
c = 50.24790
d = 0.83862

Bead 2633 (Rejected)

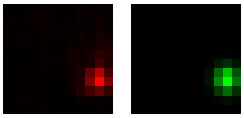
Date : Mon Oct 17 13:53:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

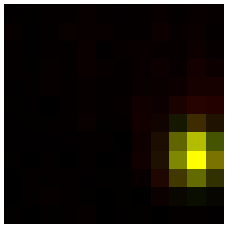
Coordinates : 427 nm (x), -30.0 um (y), 48.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	433 nm	450 nm	270 nm
max	478 nm	498 nm	270 nm
z	3.37 um	3.38 um	1.3 um
Asymmetry	0.905		
Theta	-88.3°		

XY profile & fitting parameters :

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

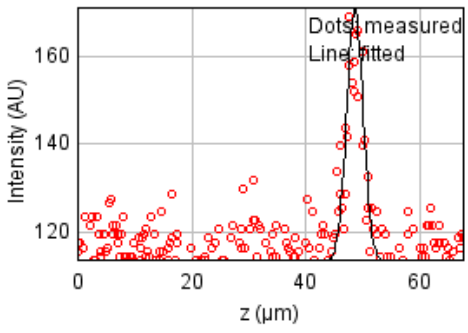




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 813.503 (brightness)
B = 125.657 (background)
a = 0.717 px
b = -0.004 px
c = 0.588 px
xc = 9.941 px
yc = 7.755 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15332.0415
Standard deviation: 7.06693
R^2: 0.69270
Parameters:
a = 113.88945
b = 170.81680
c = 48.65944
d = 1.43081

Bead 2634 (Rejected)

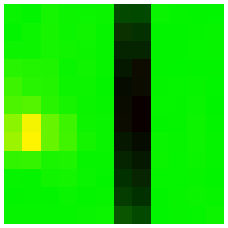
Date : Mon Oct 17 13:53:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 5.61 um (x), -71.7 um (y), 41.7 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	137 nm	142 nm	270 nm
max	3.44 um	3.59 um	270 nm
z	2.89 um	2.9 um	1.3 um
Asymmetry	0.04		
Theta	-90.0°		

XY profile & fitting parameters :

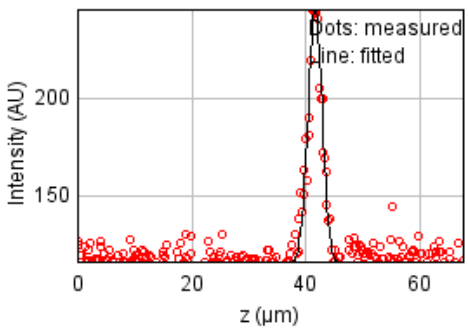
(red : the orignal data, green : the fit, yellow : the two merged)



Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.050

Parameters:
A = -116.789 (brightness)
B = 139.977 (background)
a = 7.169 px
b = -0.003 px
c = -0.011 px
xc = 6.503 px
yc = 5.279 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16111.0271
Standard deviation: 7.24423
R^2: 0.90686
Parameters:
a = 115.84705
b = 246.08950
c = 41.68665
d = 1.22653

Bead 2635 (Rejected)

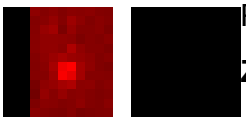
Date : Mon Oct 17 13:53:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

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°		

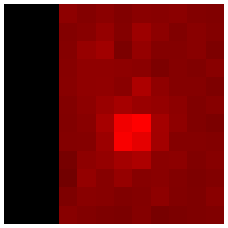
XY profile & fitting parameters :

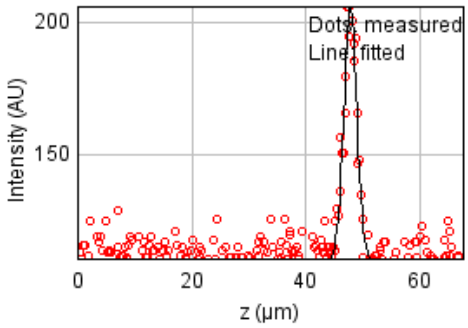
(red : the orignal data, green : the fit, yellow : the two merged)



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 2636

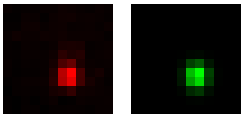
Date : Mon Oct 17 13:53:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

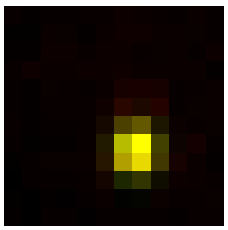
Coordinates : -79.7 um (x), 77.7 um (y), 50.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	465 nm	485 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.858		
Theta	89.6°		

XY profile & fitting parameters :

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

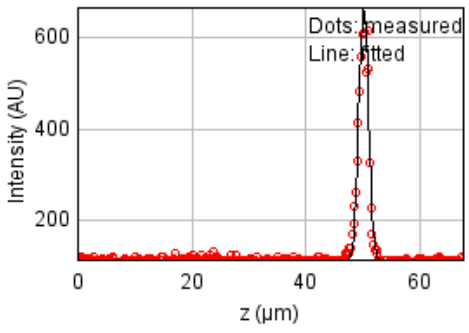




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.974

Parameters:
A = 751.799 (brightness)
B = 119.769 (background)
a = 0.841 px
b = 0.002 px
c = 0.620 px
xc = 6.683 px
yc = 7.367 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 52361.2970
Standard deviation: 13.05978
R^2: 0.97398
Parameters:
a = 113.58298
b = 666.36654
c = 50.19612
d = 0.83252

Bead 2637

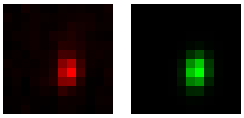
Date : Mon Oct 17 13:53:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

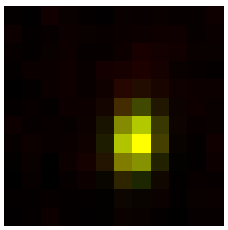
Coordinates : -67.8 um (x), 56.9 um (y), 49.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	585 nm	610 nm	270 nm
z	1.81 um	1.82 um	1.3 um
Asymmetry	0.685		
Theta	83.4°		

XY profile & fitting parameters :

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

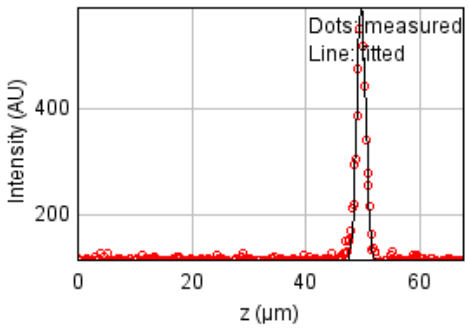




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 530.826 (brightness)
B = 123.152 (background)
a = 0.830 px
b = 0.051 px
c = 0.398 px
xc = 6.671 px
yc = 6.842 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30580.8837
Standard deviation: 9.98058
R^2: 0.97817
Parameters:
a = 113.67022
b = 593.67855
c = 49.77340
d = 0.76897

Bead 2638

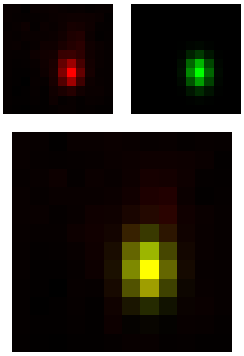
Date : Mon Oct 17 13:53:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 60.0 um (x), 35.1 um (y), 50.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	417 nm	434 nm	270 nm
max	571 nm	595 nm	270 nm
z	2.01 um	2.02 um	1.3 um
Asymmetry	0.729		
Theta	-87.3°		

XY profile & fitting parameters :

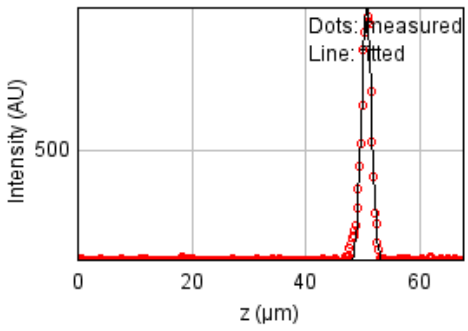
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 839.651 (brightness)
B = 127.693 (background)
a = 0.772 px
b = -0.017 px
c = 0.412 px
xc = 6.902 px
yc = 6.909 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 57190.7612
Standard deviation: 13.64878
R^2: 0.98909
Parameters:
a = 114.34277
b = 1002.40064
c = 50.70666
d = 0.85453

Bead 2639

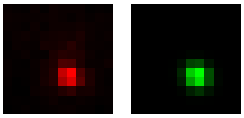
Date : Mon Oct 17 13:53:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

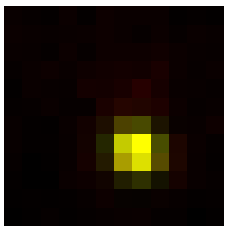
Coordinates : -63.2 um (x), 12.6 um (y), 50.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	456 nm	474 nm	270 nm
z	2.15 um	2.16 um	1.3 um
Asymmetry	0.918		
Theta	-50.3°		

XY profile & fitting parameters :

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

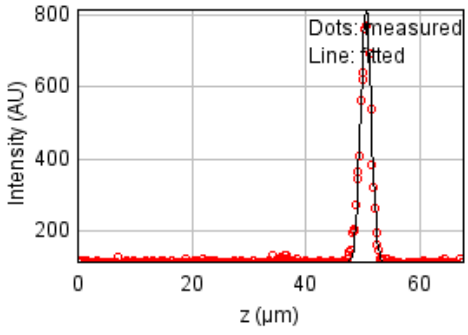




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 764.786 (brightness)
B = 125.884 (background)
a = 0.718 px
b = -0.060 px
c = 0.696 px
xc = 6.691 px
yc = 7.378 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 76676.0269
Standard deviation: 15.80377
R^2: 0.97810
Parameters:
a = 113.89454
b = 813.21452
c = 50.60867
d = 0.91272

Bead 2640

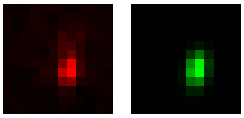
Date : Mon Oct 17 13:53:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

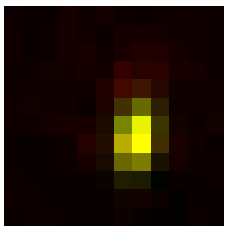
Coordinates : 82.9 um (x), -5.09 um (y), 50.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	354 nm	369 nm	270 nm
max	601 nm	626 nm	270 nm
z	2.1 um	2.11 um	1.3 um
Asymmetry	0.589		
Theta	81.5°		

XY profile & fitting parameters :

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

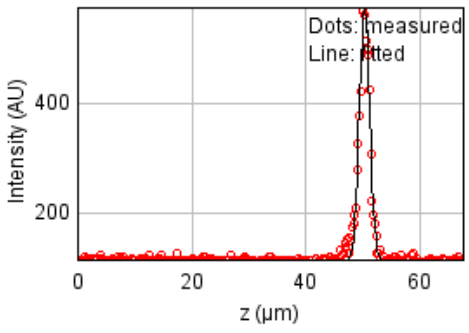




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.938

Parameters:
A = 498.925 (brightness)
B = 124.158 (background)
a = 1.054 px
b = 0.102 px
c = 0.387 px
xc = 6.721 px
yc = 6.637 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31184.2400
Standard deviation: 10.07856
R^2: 0.97941
Parameters:
a = 113.11721
b = 577.99211
c = 50.35334
d = 0.89356

Bead 2641 (Rejected)

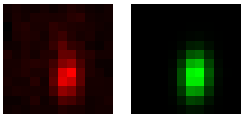
Date : Mon Oct 17 13:53:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

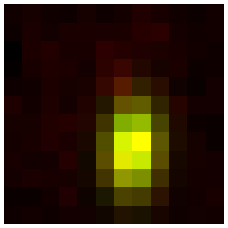
Coordinates : 134 um (x), -24.4 um (y), 49.0 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	491 nm	512 nm	270 nm
max	827 nm	861 nm	270 nm
z	2.34 um	2.35 um	1.3 um
Asymmetry	0.594		
Theta	86.5°		

XY profile & fitting parameters :

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

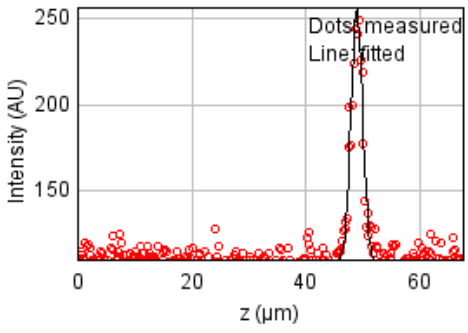




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

Parameters:
A = 275.560 (brightness)
B = 121.203 (background)
a = 0.554 px
b = 0.022 px
c = 0.198 px
xc = 6.523 px
yc = 7.331 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 14759.9886
Standard deviation: 6.93384
R^2: 0.91645
Parameters:
a = 110.21219
b = 256.18159
c = 48.99585
d = 0.99489

Bead 2642

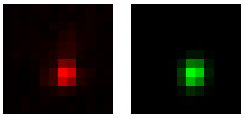
Date : Mon Oct 17 13:53:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

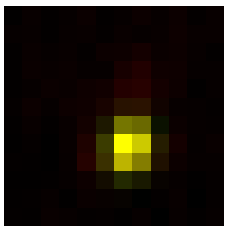
Coordinates : 50.0 um (x), -43.3 um (y), 50.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	412 nm	270 nm
max	494 nm	515 nm	270 nm
z	1.98 um	1.98 um	1.3 um
Asymmetry	0.799		
Theta	78.0°		

XY profile & fitting parameters :

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

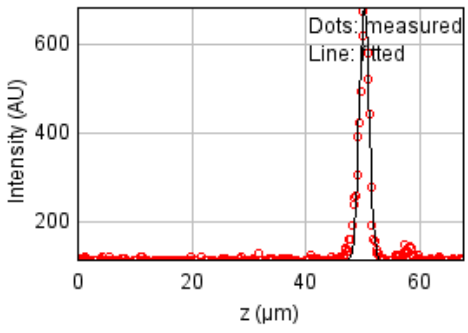




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 660.621 (brightness)
B = 122.533 (background)
a = 0.846 px
b = 0.063 px
c = 0.562 px
xc = 6.348 px
yc = 7.150 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 57169.2497
Standard deviation: 13.64621
R^2: 0.97341
Parameters:
a = 114.58321
b = 683.55336
c = 50.30245
d = 0.83921

Bead 2643

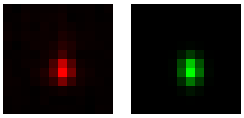
Date : Mon Oct 17 13:53:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

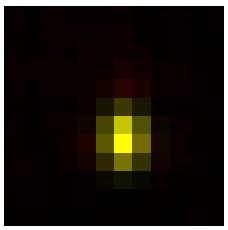
Coordinates : -38.3 um (x), -56.6 um (y), 50.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	389 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.07 um	2.07 um	1.3 um
Asymmetry	0.735		
Theta	-88.8°		

XY profile & fitting parameters :

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

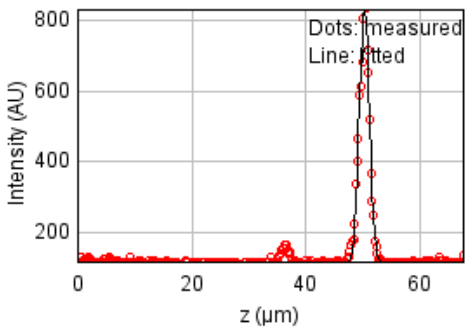




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.975

Parameters:
A = 801.417 (brightness)
B = 124.927 (background)
a = 0.963 px
b = -0.009 px
c = 0.521 px
xc = 6.050 px
yc = 6.741 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 57205.4073
Standard deviation: 13.65052
R^2: 0.98367
Parameters:
a = 116.23436
b = 830.96425
c = 50.32115
d = 0.87737

Bead 2644

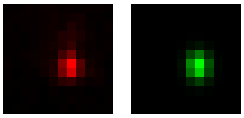
Date : Mon Oct 17 13:53:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

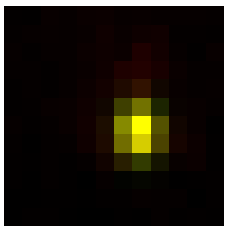
Coordinates : 38.0 um (x), -64.0 um (y), 50.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	511 nm	532 nm	270 nm
z	1.89 um	1.9 um	1.3 um
Asymmetry	0.766		
Theta	-88.2°		

XY profile & fitting parameters :

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

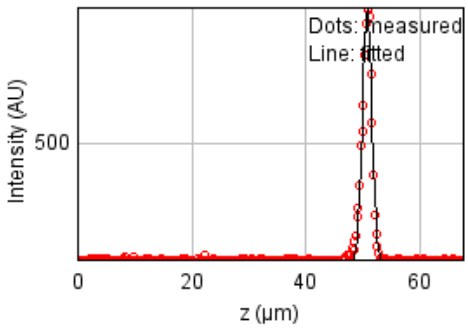




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 873.367 (brightness)
B = 126.418 (background)
a = 0.877 px
b = -0.011 px
c = 0.515 px
xc = 6.853 px
yc = 6.284 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56060.4161
Standard deviation: 13.51322
R^2: 0.98744
Parameters:
a = 112.98833
b = 956.28254
c = 50.81923
d = 0.80301

Bead 2645 (Rejected)

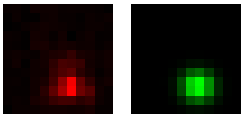
Date : Mon Oct 17 13:53:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

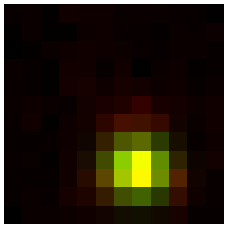
Coordinates : 2.59 um (x), -82.7 um (y), 46.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	544 nm	567 nm	270 nm
max	579 nm	603 nm	270 nm
z	3.18 um	3.19 um	1.3 um
Asymmetry	0.94		
Theta	-5.6°		

XY profile & fitting parameters :

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

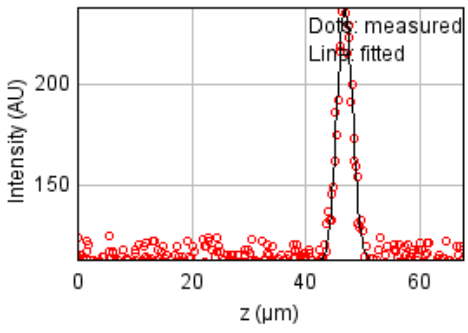




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.896

Parameters:
A = 337.201 (brightness)
B = 122.546 (background)
a = 0.401 px
b = -0.005 px
c = 0.453 px
xc = 6.779 px
yc = 8.471 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 11175.2717
Standard deviation: 6.03337
R^2: 0.93417
Parameters:
a = 113.05340
b = 238.25647
c = 46.89032
d = 1.35121

Bead 2646

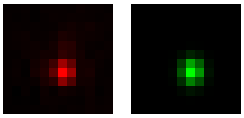
Date : Mon Oct 17 13:53:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

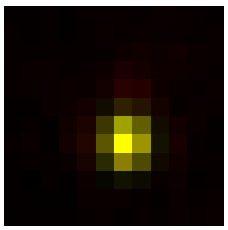
Coordinates : 52.2 um (x), -94.9 um (y), 50.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	423 nm	270 nm
max	482 nm	502 nm	270 nm
z	2.07 um	2.08 um	1.3 um
Asymmetry	0.843		
Theta	-89.8°		

XY profile & fitting parameters :

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

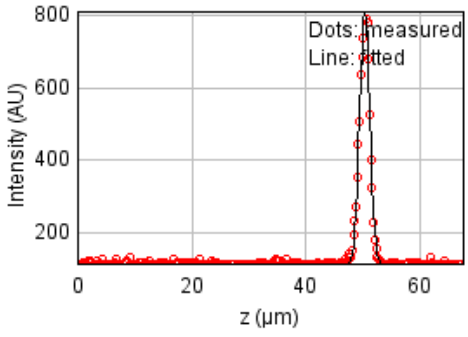




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 718.192 (brightness)
B = 125.507 (background)
a = 0.812 px
b = -0.001 px
c = 0.577 px
xc = 6.170 px
yc = 6.891 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28413.8321
Standard deviation: 9.62046
R^2: 0.99140
Parameters:
a = 112.99749
b = 809.83799
c = 50.38468
d = 0.87785

Bead 2647

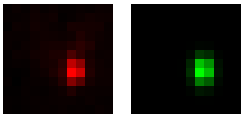
Date : Mon Oct 17 13:53:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

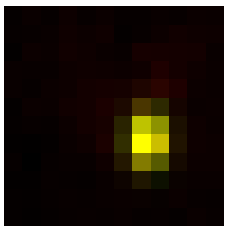
Coordinates : 32.4 um (x), 56.9 um (y), 50.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	366 nm	381 nm	270 nm
max	517 nm	539 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.707		
Theta	89.2°		

XY profile & fitting parameters :

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

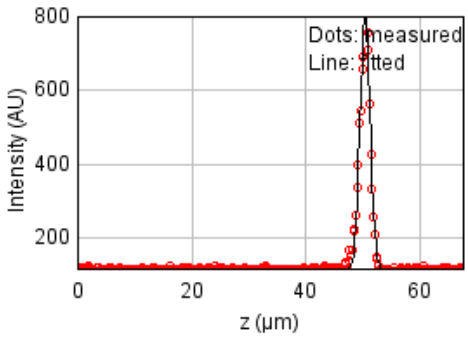




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 790.003 (brightness)
B = 129.513 (background)
a = 1.004 px
b = 0.007 px
c = 0.501 px
xc = 7.354 px
yc = 6.769 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41657.3075
Standard deviation: 11.64867
R^2: 0.98719
Parameters:
a = 113.59192
b = 803.87327
c = 50.45417
d = 0.87651

Bead 2648

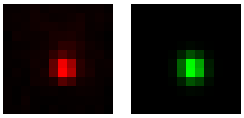
Date : Mon Oct 17 13:53:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

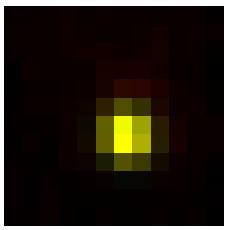
Coordinates : -112 um (x), 52.6 um (y), 50.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	440 nm	458 nm	270 nm
max	481 nm	501 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.913		
Theta	-77.9°		

XY profile & fitting parameters :

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

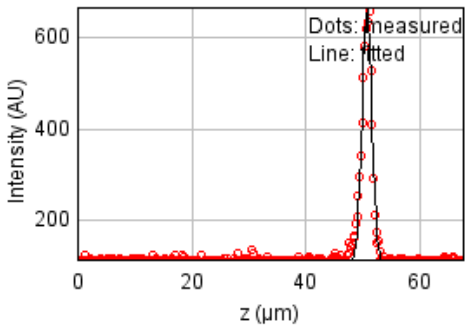




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 677.216 (brightness)
B = 123.188 (background)
a = 0.689 px
b = -0.024 px
c = 0.584 px
xc = 6.209 px
yc = 6.522 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36030.5368
Standard deviation: 10.83343
R^2: 0.98203
Parameters:
a = 112.37959
b = 666.43403
c = 50.78845
d = 0.83230

Bead 2649

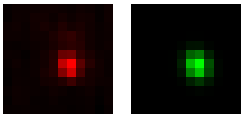
Date : Mon Oct 17 13:53:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

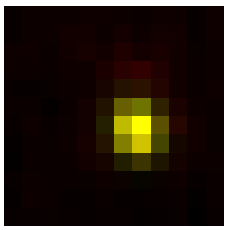
Coordinates : -153 um (x), 24.0 um (y), 51.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	440 nm	270 nm
max	510 nm	532 nm	270 nm
z	1.87 um	1.88 um	1.3 um
Asymmetry	0.828		
Theta	-74.8°		

XY profile & fitting parameters :

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

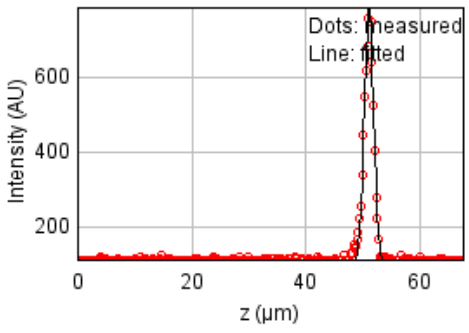




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 689.107 (brightness)
B = 124.400 (background)
a = 0.736 px
b = -0.060 px
c = 0.531 px
xc = 6.728 px
yc = 6.213 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31209.1599
Standard deviation: 10.08258
R^2: 0.98901
Parameters:
a = 111.50312
b = 788.54981
c = 51.12976
d = 0.79323

Bead 2650

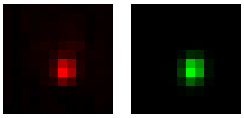
Date : Mon Oct 17 13:53:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

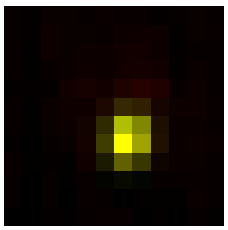
Coordinates : -31.4 um (x), 12.7 um (y), 50.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	377 nm	393 nm	270 nm
max	465 nm	484 nm	270 nm
z	2.2 um	2.21 um	1.3 um
Asymmetry	0.811		
Theta	79.6°		

XY profile & fitting parameters :

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

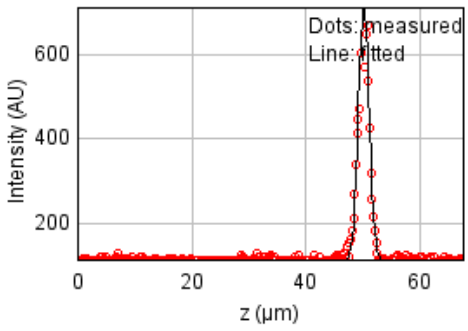




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 759.648 (brightness)
B = 123.932 (background)
a = 0.933 px
b = 0.057 px
c = 0.631 px
xc = 6.274 px
yc = 6.706 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 66066.1155
Standard deviation: 14.66967
R^2: 0.97488
Parameters:
a = 113.42931
b = 712.08731
c = 50.21641
d = 0.93341

Bead 2651

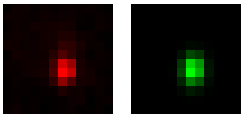
Date : Mon Oct 17 13:53:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

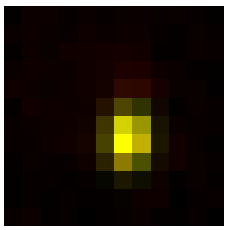
Coordinates : -51.6 um (x), 10.7 um (y), 50.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	540 nm	563 nm	270 nm
z	2.12 um	2.13 um	1.3 um
Asymmetry	0.731		
Theta	87.8°		

XY profile & fitting parameters :

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

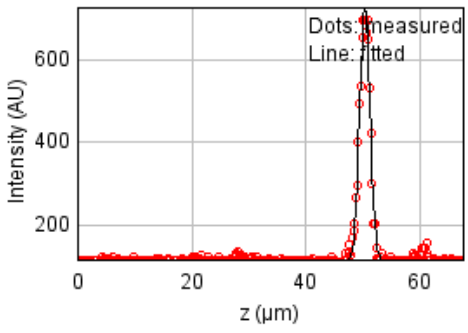




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 649.235 (brightness)
B = 123.643 (background)
a = 0.860 px
b = 0.016 px
c = 0.460 px
xc = 6.288 px
yc = 6.697 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37058.4693
Standard deviation: 10.98688
R^2: 0.98571
Parameters:
a = 115.82739
b = 724.52166
c = 50.40961
d = 0.89890

Bead 2652

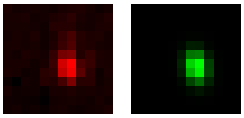
Date : Mon Oct 17 13:53:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

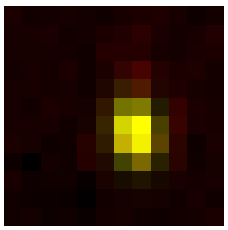
Coordinates : -144 um (x), -13.6 um (y), 49.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	591 nm	616 nm	270 nm
z	2.22 um	2.23 um	1.3 um
Asymmetry	0.692		
Theta	-81.3°		

XY profile & fitting parameters :

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

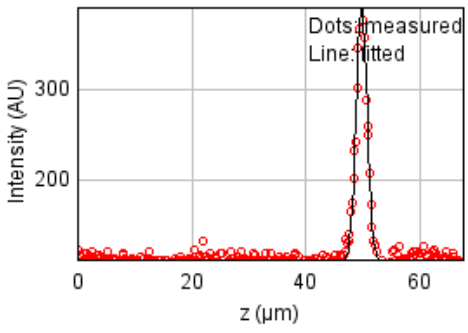




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.940

Parameters:
A = 346.019 (brightness)
B = 119.190 (background)
a = 0.791 px
b = -0.062 px
c = 0.393 px
xc = 6.647 px
yc = 6.373 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15011.8915
Standard deviation: 6.99276
R^2: 0.97446
Parameters:
a = 111.67629
b = 393.15835
c = 49.84068
d = 0.94374

Bead 2653

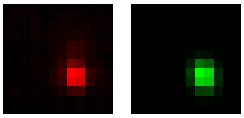
Date : Mon Oct 17 13:53:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

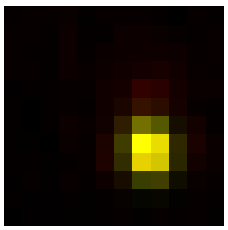
Coordinates : -53.4 um (x), -28.3 um (y), 51.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	513 nm	534 nm	270 nm
z	2.14 um	2.15 um	1.3 um
Asymmetry	0.796		
Theta	-81.3°		

XY profile & fitting parameters :

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

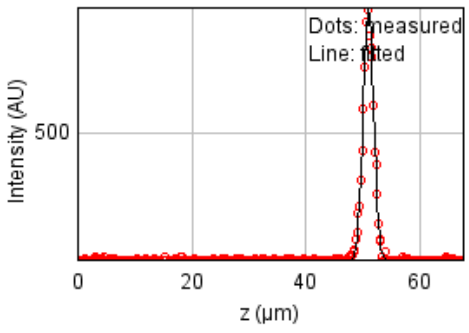




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 940.309 (brightness)
B = 129.425 (background)
a = 0.797 px
b = -0.044 px
c = 0.517 px
xc = 7.427 px
yc = 7.340 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28923.0025
Standard deviation: 9.70627
R^2: 0.99297
Parameters:
a = 113.43887
b = 879.31794
c = 51.03595
d = 0.90793

Bead 2654 (Rejected)

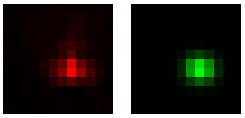
Date : Mon Oct 17 13:53:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

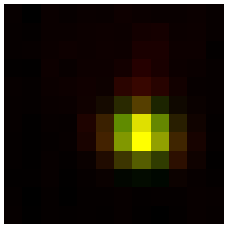
Coordinates : 92.4 um (x), -31.0 um (y), 51.5 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	483 nm	503 nm	270 nm
max	524 nm	545 nm	270 nm
z	3.16 um	3.18 um	1.3 um
Asymmetry	0.923		
Theta	-13.8°		

XY profile & fitting parameters :

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

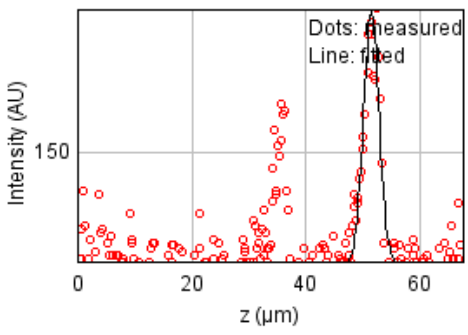




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.918

Parameters:
A = 732.197 (brightness)
B = 127.124 (background)
a = 0.494 px
b = -0.020 px
c = 0.570 px
xc = 7.008 px
yc = 6.614 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 33273.0006
Standard deviation: 10.41062
R^2: 0.65306
Parameters:
a = 115.48253
b = 194.38653
c = 51.54172
d = 1.34301

Bead 2655

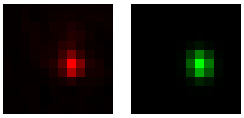
Date : Mon Oct 17 13:53:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

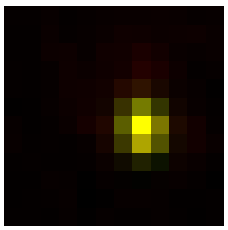
Coordinates : 35.9 um (x), -38.2 um (y), 50.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	388 nm	404 nm	270 nm
max	481 nm	500 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.807		
Theta	-83.0°		

XY profile & fitting parameters :

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

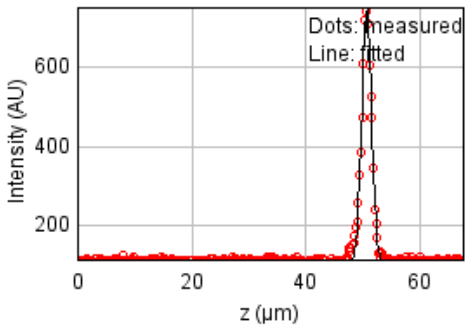




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

Parameters:
A = 665.657 (brightness)
B = 123.445 (background)
a = 0.888 px
b = -0.038 px
c = 0.586 px
xc = 7.071 px
yc = 6.128 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 26185.6593
Standard deviation: 9.23555
R^2: 0.99009
Parameters:
a = 113.33442
b = 751.99949
c = 50.73744
d = 0.83237

Bead 2656

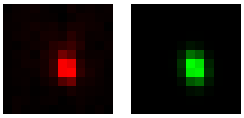
Date : Mon Oct 17 13:53:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

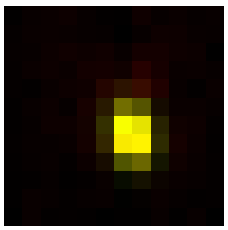
Coordinates : -22.8 um (x), 67.8 um (y), 50.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	546 nm	568 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.707		
Theta	-80.0°		

XY profile & fitting parameters :

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

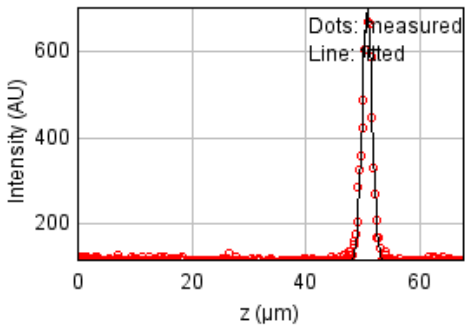




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 806.329 (brightness)
B = 124.920 (background)
a = 0.889 px
b = -0.077 px
c = 0.465 px
xc = 6.476 px
yc = 6.484 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30722.6978
Standard deviation: 10.00370
R^2: 0.98660
Parameters:
a = 114.20978
b = 702.11427
c = 50.82131
d = 0.85040

Bead 2657

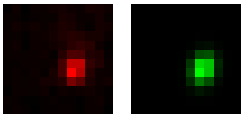
Date : Mon Oct 17 13:53:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

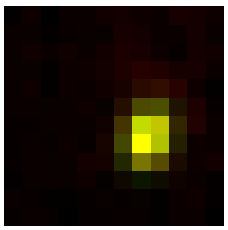
Coordinates : -156 um (x), 41.6 um (y), 50.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	551 nm	573 nm	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.745		
Theta	75.8°		

XY profile & fitting parameters :

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

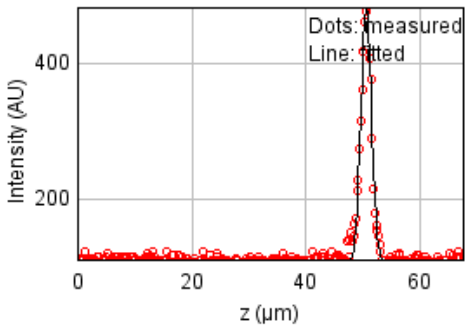




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 393.281 (brightness)
B = 116.950 (background)
a = 0.777 px
b = 0.084 px
c = 0.464 px
xc = 7.369 px
yc = 6.595 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21346.0384
Standard deviation: 8.33853
R^2: 0.97824
Parameters:
a = 110.85756
b = 482.51833
c = 50.65359
d = 0.90536

Bead 2658

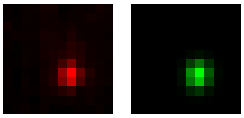
Date : Mon Oct 17 13:53:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

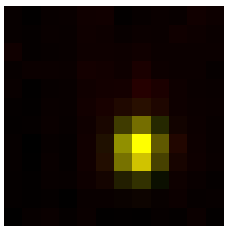
Coordinates : -77.3 um (x), 28.4 um (y), 50.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	492 nm	512 nm	270 nm
z	1.83 um	1.84 um	1.3 um
Asymmetry	0.824		
Theta	85.3°		

XY profile & fitting parameters :

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

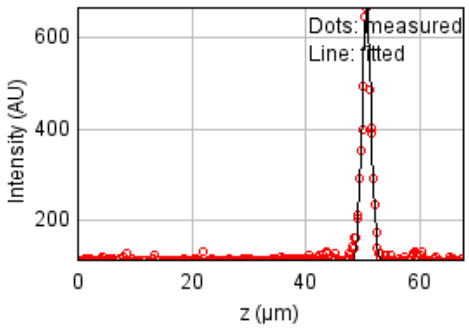




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 598.270 (brightness)
B = 122.729 (background)
a = 0.815 px
b = 0.021 px
c = 0.556 px
xc = 6.847 px
yc = 7.261 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38002.5128
Standard deviation: 11.12595
R^2: 0.97983
Parameters:
a = 114.52989
b = 668.54317
c = 50.72532
d = 0.77813

Bead 2659

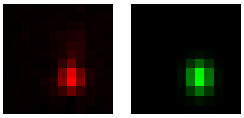
Date : Mon Oct 17 13:53:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

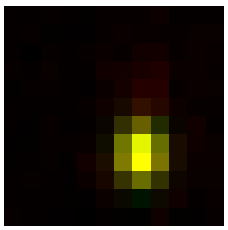
Coordinates : -136 um (x), 20.0 um (y), 51.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	547 nm	570 nm	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.767		
Theta	-88.7°		

XY profile & fitting parameters :

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

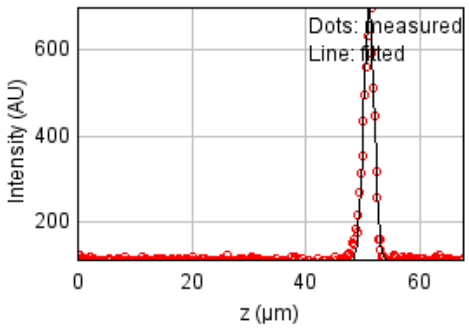




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 705.287 (brightness)
B = 125.204 (background)
a = 0.763 px
b = -0.007 px
c = 0.449 px
xc = 6.977 px
yc = 7.544 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33744.5440
Standard deviation: 10.48413
R^2: 0.98619
Parameters:
a = 112.55044
b = 701.11560
c = 51.12568
d = 0.90657

Bead 2660

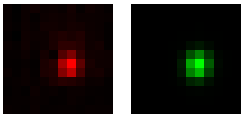
Date : Mon Oct 17 13:53:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

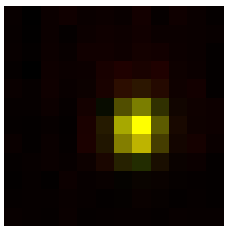
Coordinates : -40.5 um (x), 4.03 um (y), 50.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	428 nm	446 nm	270 nm
max	504 nm	525 nm	270 nm
z	1.89 um	1.9 um	1.3 um
Asymmetry	0.849		
Theta	81.9°		

XY profile & fitting parameters :

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

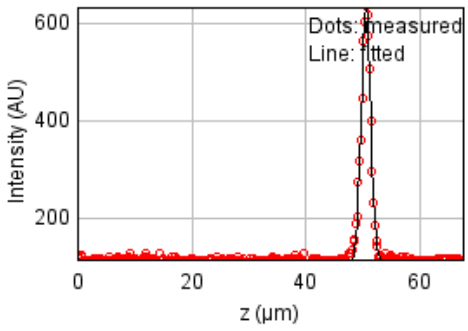




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 536.779 (brightness)
B = 122.451 (background)
a = 0.727 px
b = 0.029 px
c = 0.531 px
xc = 6.782 px
yc = 6.183 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17202.4679
Standard deviation: 7.48559
R^2: 0.98979
Parameters:
a = 113.29499
b = 631.86349
c = 50.61017
d = 0.80328

Bead 2661 (Rejected)

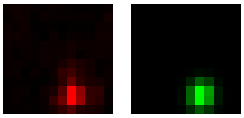
Date : Mon Oct 17 13:53:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -155 um (x), -17.6 um (y), 47.4 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	434 nm	452 nm	270 nm
max	503 nm	524 nm	270 nm
z	2.97 um	2.98 um	1.3 um
Asymmetry	0.863		
Theta	82.3°		

XY profile & fitting parameters :

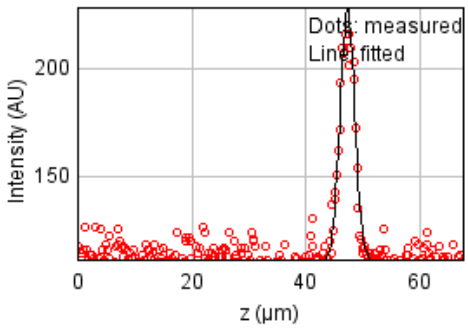
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 497.676 (brightness)
B = 121.711 (background)
a = 0.708 px
b = 0.024 px
c = 0.533 px
xc = 7.151 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: 15632.6622
Standard deviation: 7.13588
R^2: 0.89275
Parameters:
a = 110.99336
b = 228.05718
c = 47.35035
d = 1.26184

Bead 2662

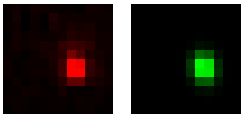
Date : Mon Oct 17 13:53:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

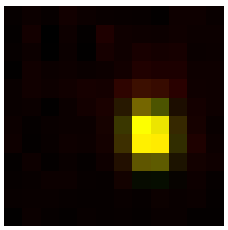
Coordinates : -98.9 um (x), -51.9 um (y), 50.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	420 nm	270 nm
max	529 nm	551 nm	270 nm
z	2.46 um	2.47 um	1.3 um
Asymmetry	0.763		
Theta	-82.6°		

XY profile & fitting parameters :

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

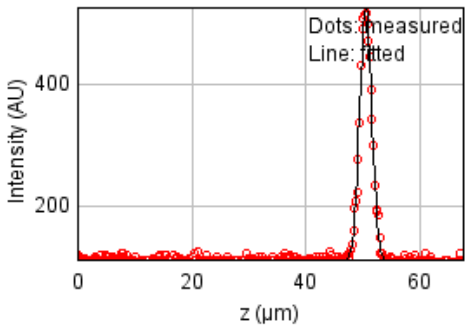




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 528.337 (brightness)
B = 121.505 (background)
a = 0.818 px
b = -0.044 px
c = 0.486 px
xc = 7.459 px
yc = 6.480 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16698.0523
Standard deviation: 7.37503
R^2: 0.98766
Parameters:
a = 113.27923
b = 523.47611
c = 50.57192
d = 1.04265

Bead 2663 (Rejected)

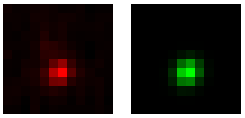
Date : Mon Oct 17 13:53:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

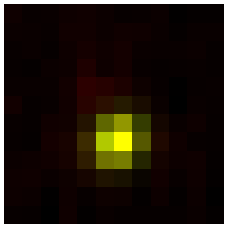
Coordinates : -93.1 um (x), -56.0 um (y), 33.8 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	434 nm	452 nm	270 nm
max	490 nm	510 nm	270 nm
z	1.8 um	1.81 um	1.3 um
Asymmetry	0.887		
Theta	50.9°		

XY profile & fitting parameters :

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

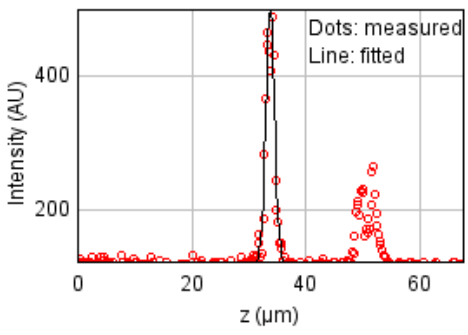




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 424.405 (brightness)
B = 120.886 (background)
a = 0.651 px
b = 0.074 px
c = 0.620 px
xc = 5.689 px
yc = 6.959 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 212948.798
Standard deviation: 26.33713
R^2: 0.80200
Parameters:
a = 119.97932
b = 501.76639
c = 33.82561
d = 0.76514

Bead 2664

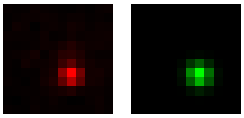
Date : Mon Oct 17 13:53:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

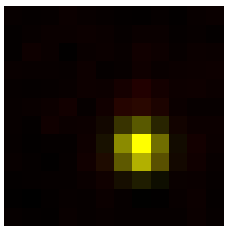
Coordinates : -58.8 um (x), -58.0 um (y), 50.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	440 nm	270 nm
max	442 nm	460 nm	270 nm
z	1.87 um	1.88 um	1.3 um
Asymmetry	0.957		
Theta	-52.0°		

XY profile & fitting parameters :

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

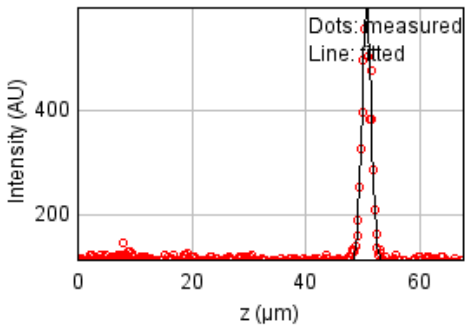




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 550.424 (brightness)
B = 121.754 (background)
a = 0.727 px
b = -0.031 px
c = 0.712 px
xc = 6.930 px
yc = 7.233 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 42194.3773
Standard deviation: 11.72352
R^2: 0.97185
Parameters:
a = 114.45087
b = 601.81580
c = 50.72290
d = 0.79420

Bead 2665

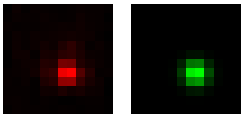
Date : Mon Oct 17 13:53:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

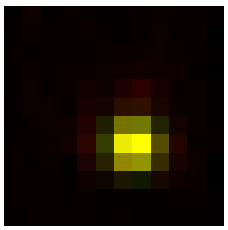
Coordinates : 53.8 um (x), -91.2 um (y), 51.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	451 nm	469 nm	270 nm
max	460 nm	479 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.98		
Theta	-51.6°		

XY profile & fitting parameters :

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

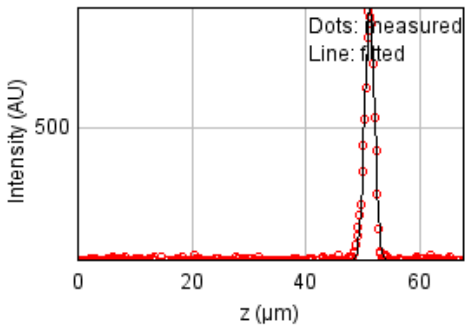




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 787.805 (brightness)
B = 125.738 (background)
a = 0.651 px
b = -0.013 px
c = 0.645 px
xc = 6.562 px
yc = 7.074 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36529.6160
Standard deviation: 10.90821
R^2: 0.98992
Parameters:
a = 112.56018
b = 849.88365
c = 51.23946
d = 0.85735

Bead 2666

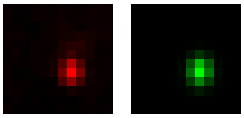
Date : Mon Oct 17 13:53:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

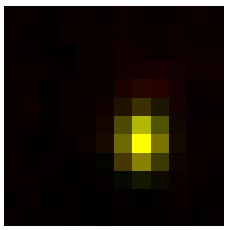
Coordinates : -149 um (x), 94.7 um (y), 50.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	515 nm	537 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.777		
Theta	88.5°		

XY profile & fitting parameters :

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

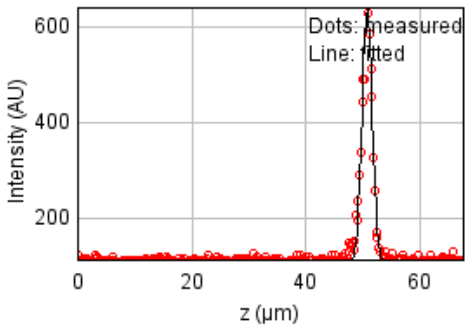




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

Parameters:
A = 546.729 (brightness)
B = 120.339 (background)
a = 0.836 px
b = 0.009 px
c = 0.506 px
xc = 7.023 px
yc = 6.831 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33645.0520
Standard deviation: 10.46867
R^2: 0.98240
Parameters:
a = 110.89761
b = 641.71258
c = 50.81263
d = 0.86666

Bead 2667

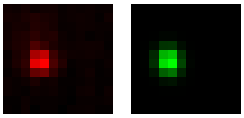
Date : Mon Oct 17 13:53:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

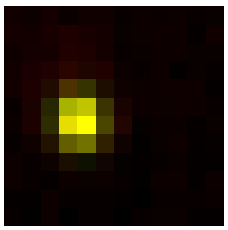
Coordinates : 11.8 um (x), 44.4 um (y), 33.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	429 nm	447 nm	270 nm
max	503 nm	524 nm	270 nm
z	2.14 um	2.15 um	1.3 um
Asymmetry	0.853		
Theta	-83.5°		

XY profile & fitting parameters :

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

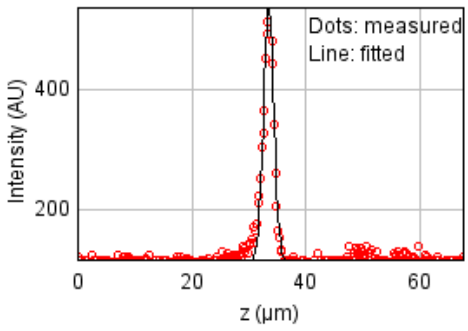




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 507.987 (brightness)
B = 122.073 (background)
a = 0.725 px
b = -0.022 px
c = 0.532 px
xc = 3.590 px
yc = 5.726 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40916.1559
Standard deviation: 11.54458
R^2: 0.96813
Parameters:
a = 117.18410
b = 539.68863
c = 33.55008
d = 0.90743

Bead 2668

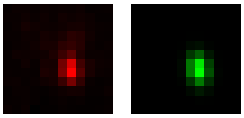
Date : Mon Oct 17 13:53:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

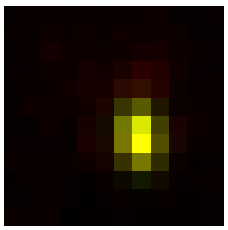
Coordinates : 76.5 um (x), 41.1 um (y), 51.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	371 nm	386 nm	270 nm
max	567 nm	591 nm	270 nm
z	2.0 um	2.01 um	1.3 um
Asymmetry	0.654		
Theta	-84.0°		

XY profile & fitting parameters :

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

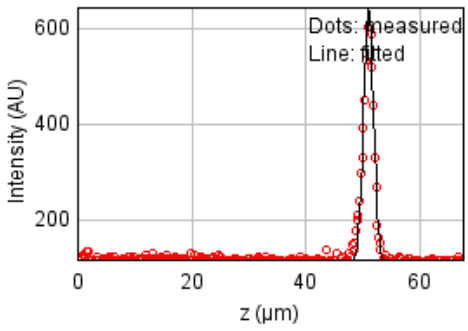




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

Parameters:
A = 693.448 (brightness)
B = 127.650 (background)
a = 0.970 px
b = -0.058 px
c = 0.424 px
xc = 6.873 px
yc = 6.596 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32984.8437
Standard deviation: 10.36545
R^2: 0.98240
Parameters:
a = 114.33063
b = 644.49758
c = 51.06427
d = 0.85077

Bead 2669 (Rejected)

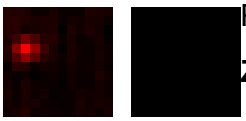
Date : Mon Oct 17 13:53:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -158 um (x), 13.5 um (y), 6.43 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	2.73 um	2.74 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

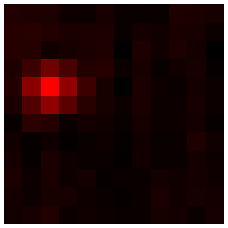
XY profile & fitting parameters :

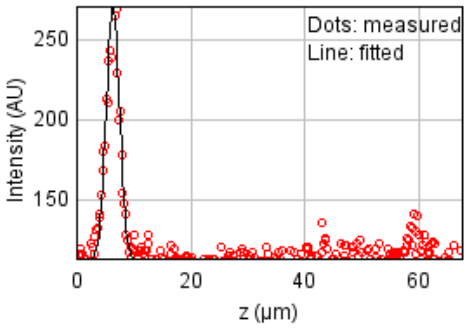
(red : the orignal data, green : the fit, yellow : the two merged)



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: 19827.2341
Standard deviation: 8.03641
R^2: 0.91634
Parameters:
a = 113.24511
b = 270.48848
c = 6.42835
d = 1.16070

Bead 2670

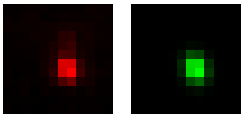
Date : Mon Oct 17 13:53:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

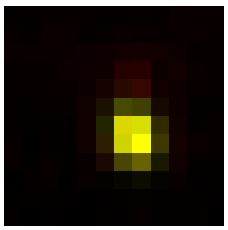
Coordinates : -2.07 um (x), 2.41 um (y), 51.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	506 nm	527 nm	270 nm
z	1.95 um	1.96 um	1.3 um
Asymmetry	0.773		
Theta	-76.4°		

XY profile & fitting parameters :

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

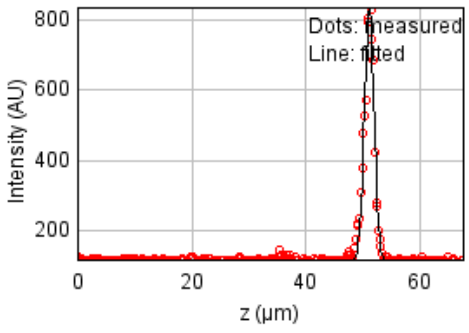




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 892.772 (brightness)
B = 125.144 (background)
a = 0.858 px
b = -0.081 px
c = 0.543 px
xc = 6.570 px
yc = 6.564 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 70678.8844
Standard deviation: 15.17315
R^2: 0.97926
Parameters:
a = 114.97748
b = 837.36270
c = 51.17734
d = 0.82969

Bead 2671

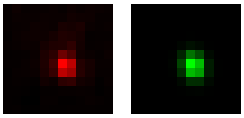
Date : Mon Oct 17 13:53:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

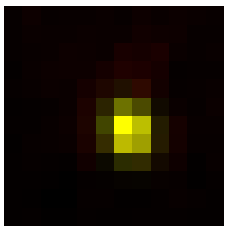
Coordinates : 46.1 um (x), -15.3 um (y), 51.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	495 nm	516 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.817		
Theta	-75.1°		

XY profile & fitting parameters :

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

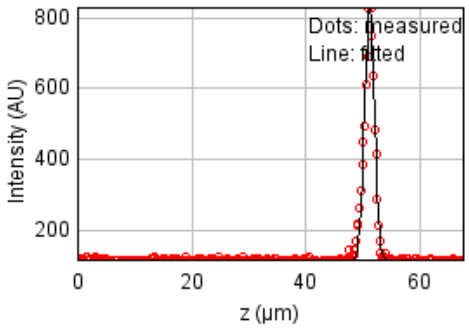




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 838.556 (brightness)
B = 125.952 (background)
a = 0.801 px
b = -0.068 px
c = 0.565 px
xc = 6.338 px
yc = 6.259 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 48138.3821
Standard deviation: 12.52208
R^2: 0.98594
Parameters:
a = 114.46767
b = 828.45557
c = 51.21730
d = 0.86096

Bead 2672

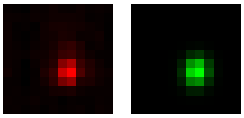
Date : Mon Oct 17 13:53:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

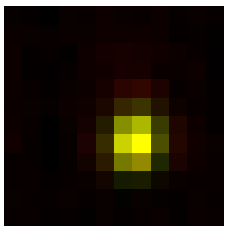
Coordinates : -98.4 um (x), -18.1 um (y), 51.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	439 nm	457 nm	270 nm
max	534 nm	557 nm	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.822		
Theta	82.3°		

XY profile & fitting parameters :

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

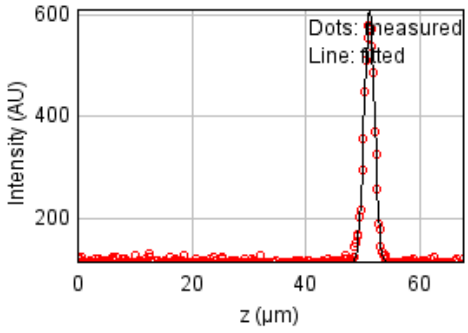




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 555.770 (brightness)
B = 121.874 (background)
a = 0.692 px
b = 0.030 px
c = 0.474 px
xc = 6.644 px
yc = 6.869 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16423.5635
Standard deviation: 7.31416
R^2: 0.99037
Parameters:
a = 114.02222
b = 611.95499
c = 51.19470
d = 0.88698

Bead 2673

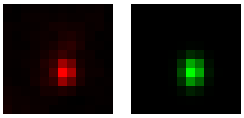
Date : Mon Oct 17 13:53:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

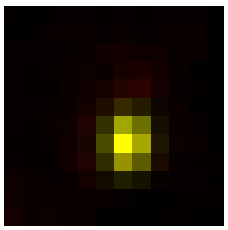
Coordinates : 47.6 um (x), -23.4 um (y), 51.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	420 nm	270 nm
max	522 nm	543 nm	270 nm
z	1.98 um	1.98 um	1.3 um
Asymmetry	0.774		
Theta	87.6°		

XY profile & fitting parameters :

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

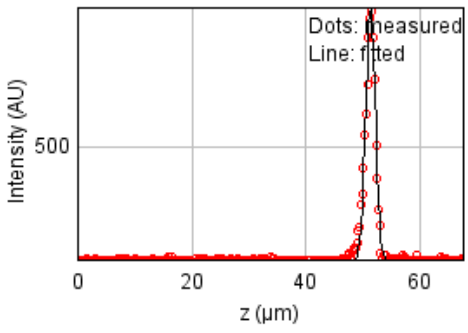




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 905.303 (brightness)
B = 139.198 (background)
a = 0.823 px
b = 0.014 px
c = 0.494 px
xc = 6.238 px
yc = 6.923 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 63961.8686
Standard deviation: 14.43416
R^2: 0.98673
Parameters:
a = 114.83559
b = 972.68374
c = 51.39572
d = 0.83881

Bead 2674 (Rejected)

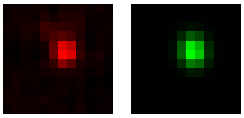
Date : Mon Oct 17 13:53:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

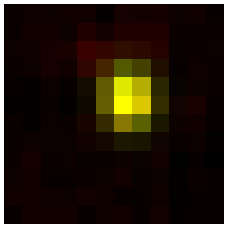
Coordinates : 128 um (x), -33.0 um (y), 14.4 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	464 nm	484 nm	270 nm
max	559 nm	582 nm	270 nm
z	2.59 um	2.6 um	1.3 um
Asymmetry	0.831		
Theta	-83.7°		

XY profile & fitting parameters :

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

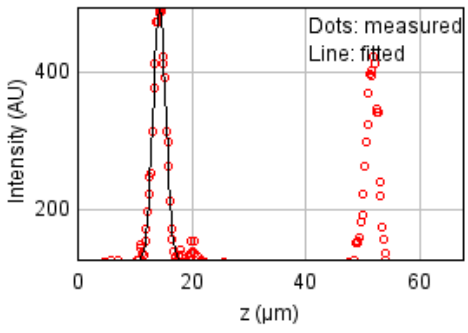




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

Parameters:
A = 418.956 (brightness)
B = 123.477 (background)
a = 0.620 px
b = -0.021 px
c = 0.431 px
xc = 6.289 px
yc = 4.625 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 812408.407
Standard deviation: 51.44202
R^2: 0.58493
Parameters:
a = 126.53390
b = 496.80956
c = 14.41497
d = 1.09973

Bead 2675

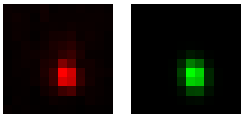
Date : Mon Oct 17 13:53:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

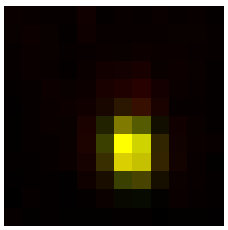
Coordinates : 28.2 um (x), -47.5 um (y), 51.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	540 nm	562 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.762		
Theta	-80.0°		

XY profile & fitting parameters :

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

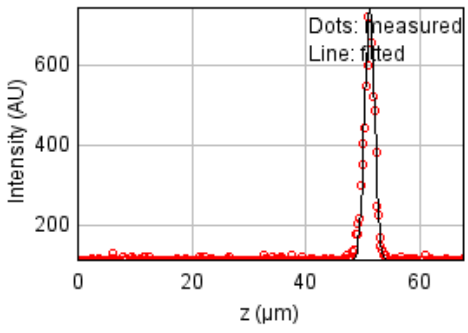




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 783.945 (brightness)
B = 127.125 (background)
a = 0.784 px
b = -0.057 px
c = 0.471 px
xc = 6.404 px
yc = 7.325 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50109.0073
Standard deviation: 12.77582
R^2: 0.98133
Parameters:
a = 113.99542
b = 744.29469
c = 51.23667
d = 0.86158

Bead 2676 (Rejected)

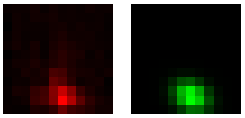
Date : Mon Oct 17 13:53:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

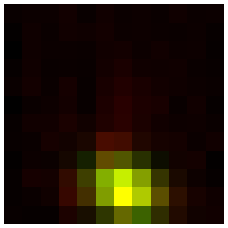
Coordinates : 117 um (x), -59.2 um (y), 47.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	505 nm	526 nm	270 nm
max	653 nm	681 nm	270 nm
z	4.17 um	4.18 um	1.3 um
Asymmetry	0.773		
Theta	-27.6°		

XY profile & fitting parameters :

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

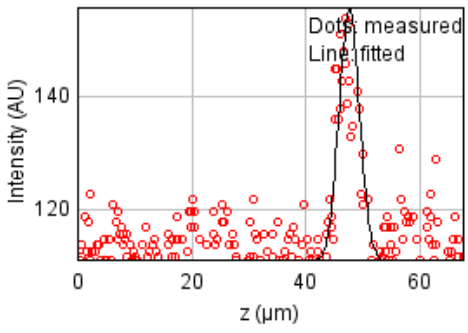




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.910

Parameters:
A = 319.328 (brightness)
B = 119.377 (background)
a = 0.360 px
b = -0.087 px
c = 0.481 px
xc = 6.072 px
yc = 9.581 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 15530.1847
Standard deviation: 7.11245
R^2: 0.62164
Parameters:
a = 111.17066
b = 155.58089
c = 47.67938
d = 1.76964

Bead 2677

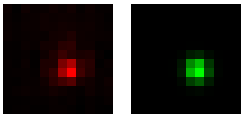
Date : Mon Oct 17 13:53:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

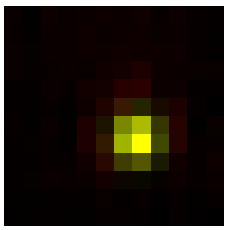
Coordinates : -148 um (x), -75.5 um (y), 50.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	430 nm	270 nm
max	443 nm	462 nm	270 nm
z	2.15 um	2.16 um	1.3 um
Asymmetry	0.93		
Theta	-85.8°		

XY profile & fitting parameters :

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

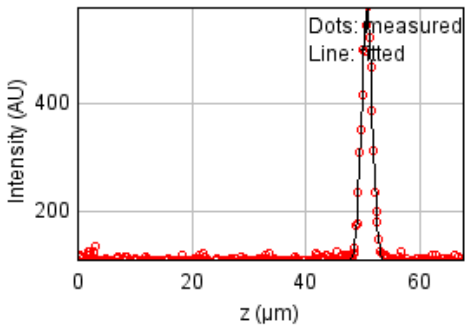




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.933

Parameters:
A = 481.118 (brightness)
B = 119.638 (background)
a = 0.788 px
b = -0.008 px
c = 0.683 px
xc = 6.719 px
yc = 6.721 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17254.9937
Standard deviation: 7.49701
R^2: 0.98879
Parameters:
a = 110.95324
b = 576.76254
c = 50.77051
d = 0.91466

Bead 2678

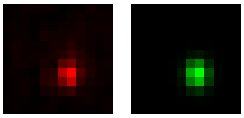
Date : Mon Oct 17 13:53:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

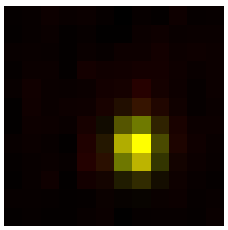
Coordinates : -70.9 um (x), -76.9 um (y), 51.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	421 nm	270 nm
max	496 nm	517 nm	270 nm
z	1.9 um	1.91 um	1.3 um
Asymmetry	0.815		
Theta	-87.6°		

XY profile & fitting parameters :

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

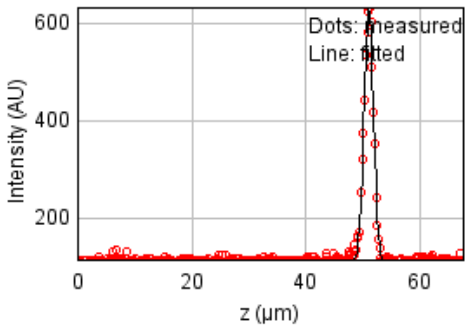




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 534.438 (brightness)
B = 121.288 (background)
a = 0.820 px
b = -0.011 px
c = 0.545 px
xc = 6.740 px
yc = 7.172 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19149.6893
Standard deviation: 7.89790
R^2: 0.98882
Parameters:
a = 112.91018
b = 634.48034
c = 51.09629
d = 0.80665

Bead 2679

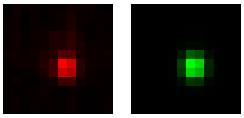
Date : Mon Oct 17 13:53:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

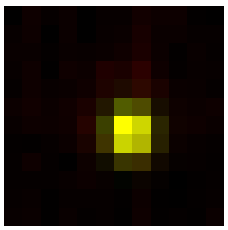
Coordinates : 13.9 um (x), -78.7 um (y), 51.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	414 nm	431 nm	270 nm
max	471 nm	490 nm	270 nm
z	1.91 um	1.92 um	1.3 um
Asymmetry	0.879		
Theta	-86.9°		

XY profile & fitting parameters :

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

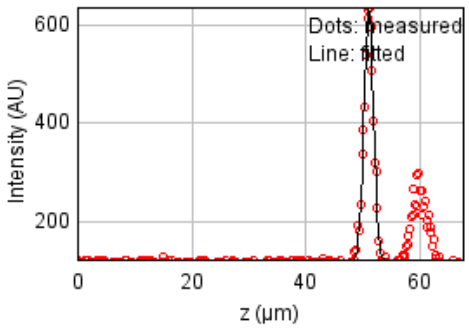




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

Parameters:
A = 593.706 (brightness)
B = 123.109 (background)
a = 0.784 px
b = -0.010 px
c = 0.606 px
xc = 6.389 px
yc = 6.353 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 280839.246
Standard deviation: 30.24543
R^2: 0.85448
Parameters:
a = 122.71155
b = 635.88966
c = 51.09107
d = 0.81167

Bead 2680

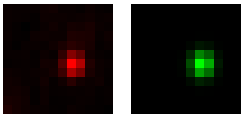
Date : Mon Oct 17 13:53:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

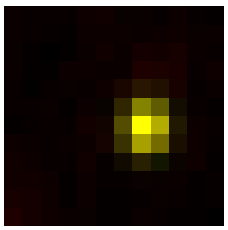
Coordinates : -75.0 um (x), 75.8 um (y), 51.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	487 nm	508 nm	270 nm
z	1.98 um	1.99 um	1.3 um
Asymmetry	0.841		
Theta	87.4°		

XY profile & fitting parameters :

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

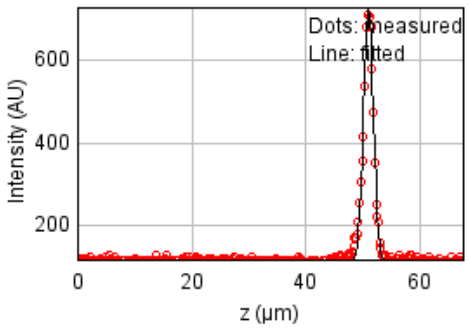




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 621.108 (brightness)
B = 126.717 (background)
a = 0.799 px
b = 0.011 px
c = 0.565 px
xc = 7.255 px
yc = 6.084 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29243.7842
Standard deviation: 9.75995
R^2: 0.98821
Parameters:
a = 114.21326
b = 728.87133
c = 51.04319
d = 0.84222

Bead 2681

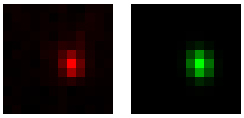
Date : Mon Oct 17 13:53:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

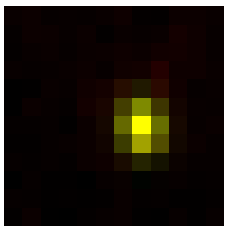
Coordinates : 24.6 um (x), 52.9 um (y), 51.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	503 nm	524 nm	270 nm
z	2.05 um	2.06 um	1.3 um
Asymmetry	0.777		
Theta	-81.2°		

XY profile & fitting parameters :

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

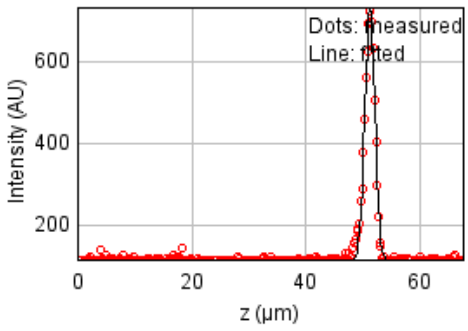




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 583.313 (brightness)
B = 123.892 (background)
a = 0.870 px
b = -0.053 px
c = 0.538 px
xc = 7.017 px
yc = 6.077 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31709.2352
Standard deviation: 10.16304
R^2: 0.98783
Parameters:
a = 113.79059
b = 733.51692
c = 51.29035
d = 0.87190

Bead 2682

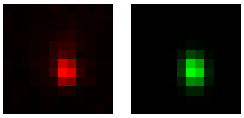
Date : Mon Oct 17 13:53:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

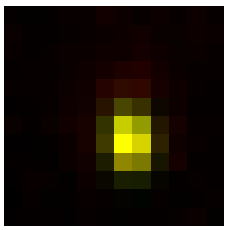
Coordinates : -16.9 um (x), -69.8 um (y), 51.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	560 nm	584 nm	270 nm
z	2.27 um	2.28 um	1.3 um
Asymmetry	0.714		
Theta	-84.0°		

XY profile & fitting parameters :

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

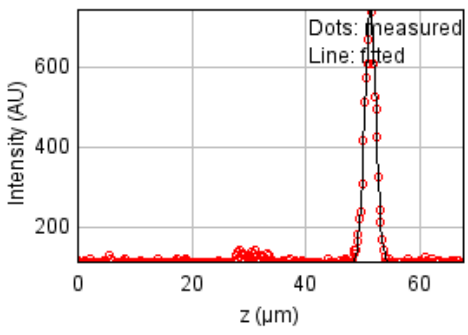




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 717.830 (brightness)
B = 126.204 (background)
a = 0.833 px
b = -0.043 px
c = 0.432 px
xc = 6.374 px
yc = 6.790 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36098.7774
Standard deviation: 10.84369
R^2: 0.98797
Parameters:
a = 115.00031
b = 748.30197
c = 51.36639
d = 0.96608

Bead 2683

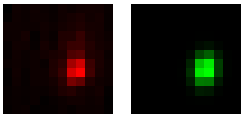
Date : Mon Oct 17 13:53:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

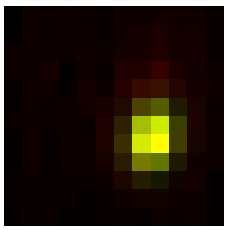
Coordinates : -41.0 um (x), -71.1 um (y), 50.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	568 nm	592 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.73		
Theta	80.3°		

XY profile & fitting parameters :

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

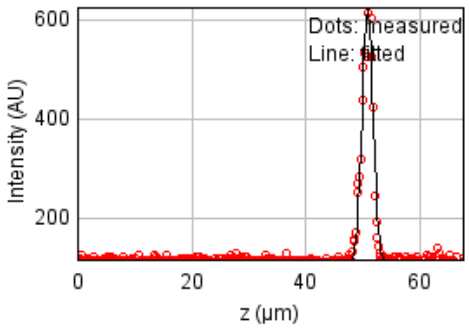




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.945

Parameters:
A = 538.559 (brightness)
B = 126.739 (background)
a = 0.771 px
b = 0.061 px
c = 0.426 px
xc = 7.585 px
yc = 6.653 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 69733.7052
Standard deviation: 15.07135
R^2: 0.96425
Parameters:
a = 113.89856
b = 627.55629
c = 50.89865
d = 0.93007

Bead 2684

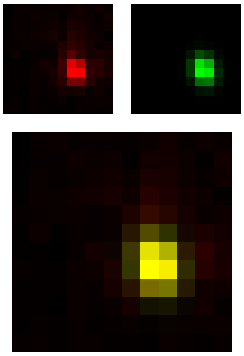
Date : Mon Oct 17 13:53:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -133 um (x), -72.0 um (y), 51.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	399 nm	416 nm	270 nm
max	532 nm	555 nm	270 nm
z	2.56 um	2.57 um	1.3 um
Asymmetry	0.75		
Theta	-76.2°		

XY profile & fitting parameters :

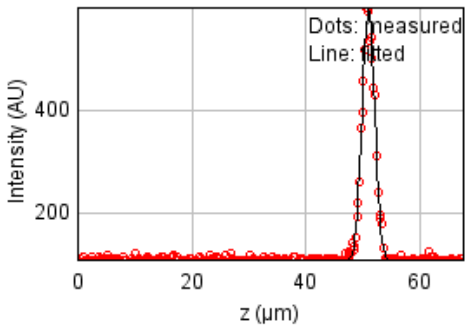
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 581.432 (brightness)
B = 122.911 (background)
a = 0.821 px
b = -0.085 px
c = 0.494 px
xc = 7.425 px
yc = 6.697 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22650.2810
Standard deviation: 8.58949
R^2: 0.98847
Parameters:
a = 110.60277
b = 595.92284
c = 51.03108
d = 1.08513

Bead 2685 (Rejected)

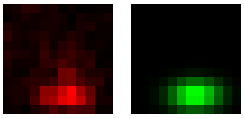
Date : Mon Oct 17 13:53:42 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

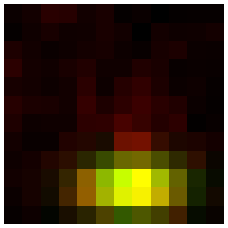
Coordinates : 156 um (x), -73.7 um (y), 48.9 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	532 nm	554 nm	270 nm
max	919 nm	957 nm	270 nm
z	3.36 um	3.37 um	1.3 um
Asymmetry	0.579		
Theta	1.1°		

XY profile & fitting parameters :

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

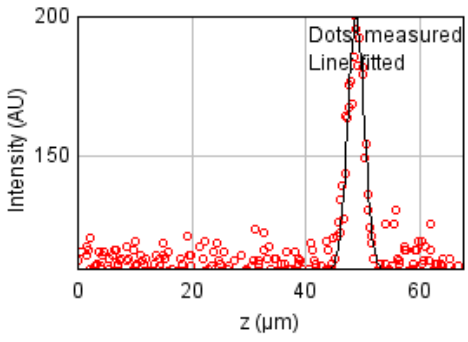




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.855

Parameters:
A = 189.801 (brightness)
B = 121.879 (background)
a = 0.159 px
b = 0.006 px
c = 0.474 px
xc = 6.490 px
yc = 9.443 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 12884.5011
Standard deviation: 6.47835
R^2: 0.87082
Parameters:
a = 109.63670
b = 200.05581
c = 48.85011
d = 1.42485

Bead 2686 (Rejected)

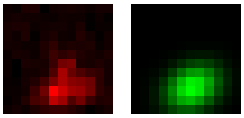
Date : Mon Oct 17 13:53:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

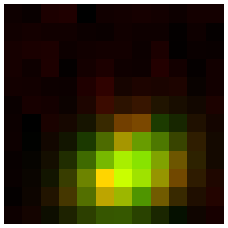
Coordinates : -94.8 um (x), -84.9 um (y), 48.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	781 nm	813 nm	270 nm
max	1.03 um	1.07 um	270 nm
z	2.74 um	2.75 um	1.3 um
Asymmetry	0.758		
Theta	28.9°		

XY profile & fitting parameters :

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

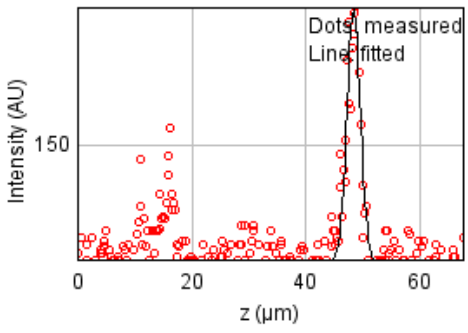




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.852

Parameters:
A = 145.857 (brightness)
B = 117.786 (background)
a = 0.148 px
b = 0.040 px
c = 0.198 px
xc = 6.194 px
yc = 8.626 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2))
Sum of residuals squared: 21437.7751
Standard deviation: 8.35643
R^2: 0.72840
Parameters:
a = 113.53614
b = 194.31364
c = 48.44604
d = 1.16462

Bead 2687

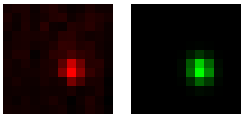
Date : Mon Oct 17 13:53:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

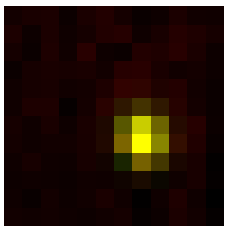
Coordinates : -145 um (x), 71.2 um (y), 51.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	479 nm	499 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.861		
Theta	-80.3°		

XY profile & fitting parameters :

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

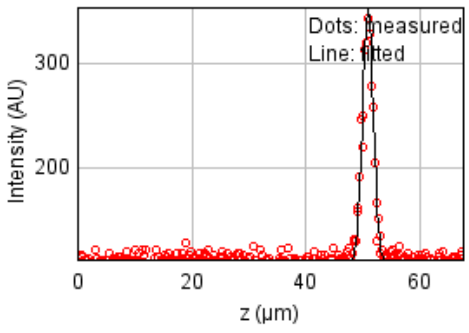




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.913

Parameters:
A = 265.478 (brightness)
B = 116.938 (background)
a = 0.782 px
b = -0.034 px
c = 0.590 px
xc = 7.076 px
yc = 6.690 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17496.9494
Standard deviation: 7.54939
R^2: 0.95903
Parameters:
a = 112.26156
b = 353.41039
c = 50.95212
d = 0.91842

Bead 2688

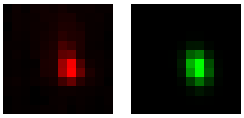
Date : Mon Oct 17 13:53:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

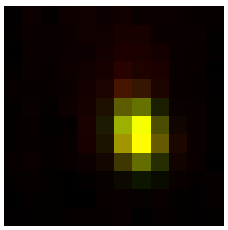
Coordinates : 94.1 um (x), 46.4 um (y), 51.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	410 nm	427 nm	270 nm
max	581 nm	605 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.706		
Theta	-78.8°		

XY profile & fitting parameters :

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

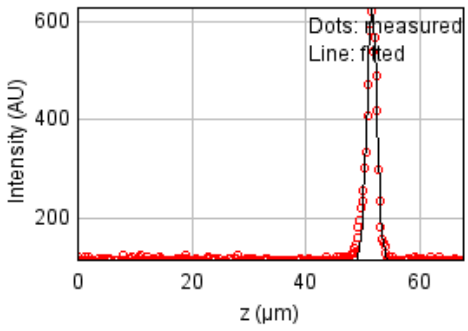




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 692.695 (brightness)
B = 128.234 (background)
a = 0.782 px
b = -0.076 px
c = 0.412 px
xc = 6.779 px
yc = 6.440 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 47000.8810
Standard deviation: 12.37325
R^2: 0.97448
Parameters:
a = 113.28768
b = 629.53375
c = 51.63494
d = 0.87613

Bead 2689

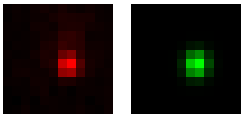
Date : Mon Oct 17 13:53:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

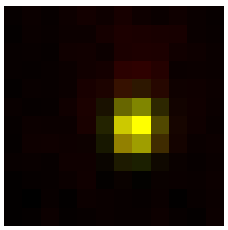
Coordinates : -155 um (x), 37.3 um (y), 51.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	488 nm	508 nm	270 nm
z	1.98 um	1.99 um	1.3 um
Asymmetry	0.864		
Theta	85.8°		

XY profile & fitting parameters :

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

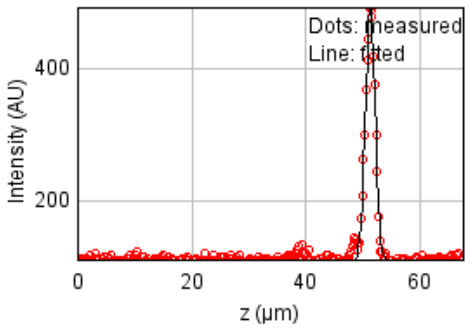




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.944

Parameters:
A = 410.146 (brightness)
B = 118.065 (background)
a = 0.754 px
b = 0.014 px
c = 0.565 px
xc = 6.658 px
yc = 6.082 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17786.2606
Standard deviation: 7.61155
R^2: 0.98184
Parameters:
a = 111.00829
b = 496.23538
c = 51.35883
d = 0.84149

Bead 2690

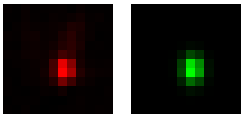
Date : Mon Oct 17 13:53:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

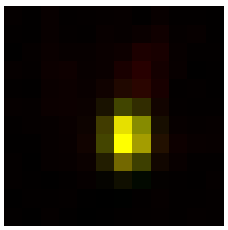
Coordinates : 54.4 um (x), 29.2 um (y), 51.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	387 nm	403 nm	270 nm
max	509 nm	530 nm	270 nm
z	2.07 um	2.08 um	1.3 um
Asymmetry	0.76		
Theta	89.1°		

XY profile & fitting parameters :

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

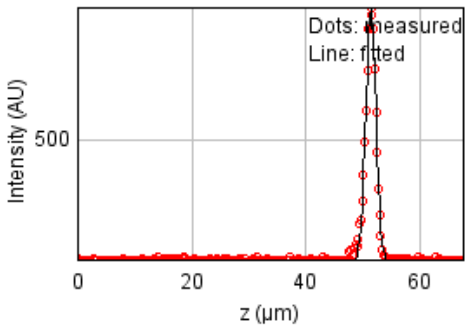




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 898.319 (brightness)
B = 130.874 (background)
a = 0.898 px
b = 0.006 px
c = 0.518 px
xc = 6.231 px
yc = 6.627 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27451.9326
Standard deviation: 9.45621
R^2: 0.99387
Parameters:
a = 113.09276
b = 924.21948
c = 51.45365
d = 0.87996

Bead 2691

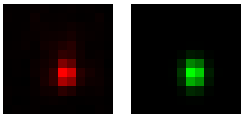
Date : Mon Oct 17 13:53:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

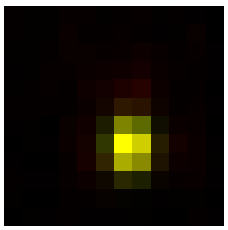
Coordinates : -7.4 um (x), 27.1 um (y), 52.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	407 nm	270 nm
max	503 nm	524 nm	270 nm
z	1.95 um	1.95 um	1.3 um
Asymmetry	0.777		
Theta	-89.8°		

XY profile & fitting parameters :

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

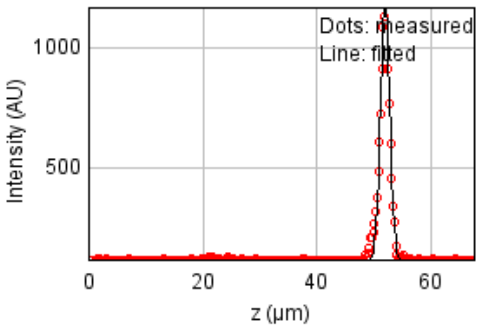




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.970

Parameters:
A = 1249.218 (brightness)
B = 132.892 (background)
a = 0.879 px
b = -0.001 px
c = 0.530 px
xc = 6.376 px
yc = 7.126 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 82504.6182
Standard deviation: 16.39343
R^2: 0.98858
Parameters:
a = 116.08750
b = 1175.15085
c = 52.03161
d = 0.82599

Bead 2692

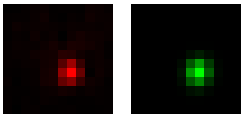
Date : Mon Oct 17 13:53:43 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

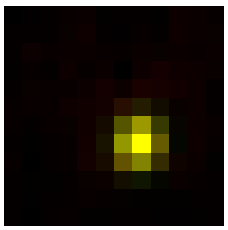
Coordinates : -64.3 um (x), 4.52 um (y), 51.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	431 nm	270 nm
max	480 nm	499 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.862		
Theta	79.7°		

XY profile & fitting parameters :

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

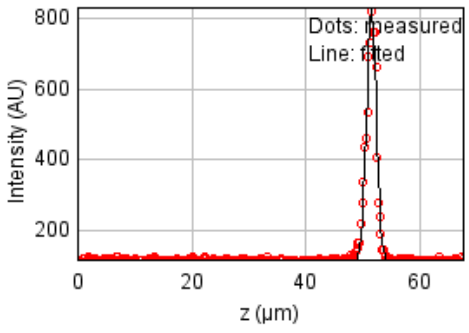




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.973

Parameters:
A = 750.766 (brightness)
B = 124.750 (background)
a = 0.779 px
b = 0.035 px
c = 0.590 px
xc = 6.838 px
yc = 6.944 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 57918.3723
Standard deviation: 13.73533
R^2: 0.98312
Parameters:
a = 113.92940
b = 833.34964
c = 51.56219
d = 0.84626

Bead 2693

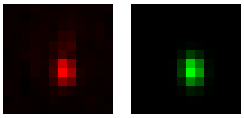
Date : Mon Oct 17 13:53:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

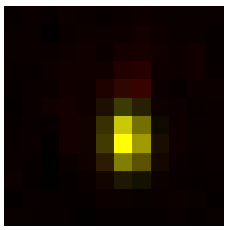
Coordinates : 33.1 um (x), -15.2 um (y), 51.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	368 nm	384 nm	270 nm
max	532 nm	554 nm	270 nm
z	2.15 um	2.16 um	1.3 um
Asymmetry	0.693		
Theta	-86.1°		

XY profile & fitting parameters :

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

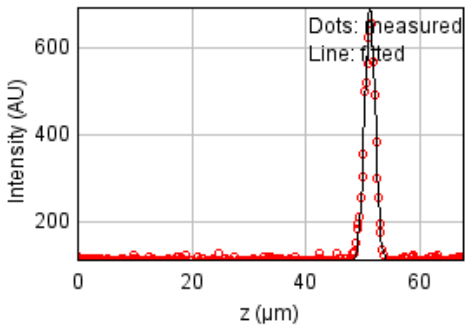




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 666.507 (brightness)
B = 121.730 (background)
a = 0.987 px
b = -0.035 px
c = 0.477 px
xc = 6.236 px
yc = 6.776 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29092.6042
Standard deviation: 9.73469
R^2: 0.98766
Parameters:
a = 114.07236
b = 690.93481
c = 51.29382
d = 0.91238

Bead 2694 (Rejected)

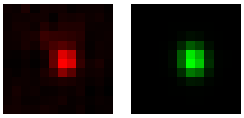
Date : Mon Oct 17 13:53:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

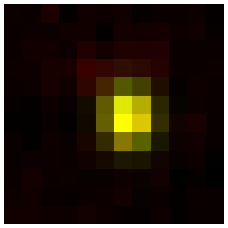
Coordinates : 128 um (x), -33.0 um (y), 14.4 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	464 nm	484 nm	270 nm
max	559 nm	582 nm	270 nm
z	2.59 um	2.6 um	1.3 um
Asymmetry	0.831		
Theta	-83.7°		

XY profile & fitting parameters :

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

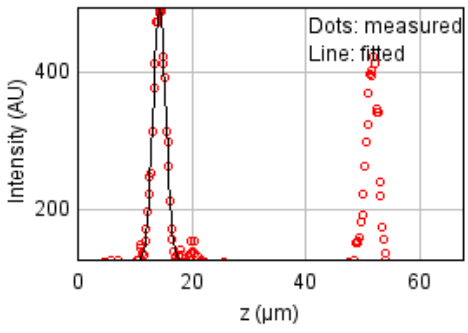




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 418.949 (brightness)
B = 123.452 (background)
a = 0.620 px
b = -0.021 px
c = 0.431 px
xc = 6.289 px
yc = 5.625 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 812408.407
Standard deviation: 51.44202
R^2: 0.58493
Parameters:
a = 126.53390
b = 496.80956
c = 14.41497
d = 1.09973

Bead 2695

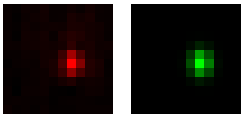
Date : Mon Oct 17 13:53:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

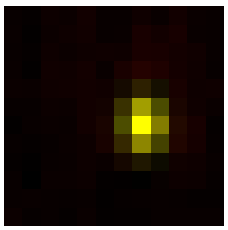
Coordinates : 1.57 um (x), -36.4 um (y), 51.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	374 nm	389 nm	270 nm
max	488 nm	509 nm	270 nm
z	1.98 um	1.99 um	1.3 um
Asymmetry	0.766		
Theta	-89.0°		

XY profile & fitting parameters :

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

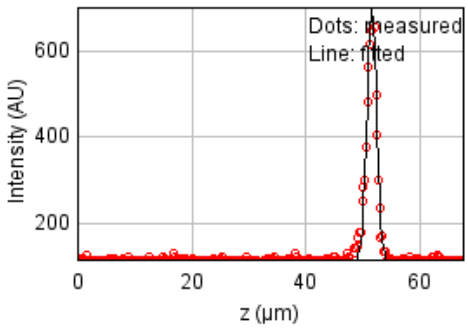




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 591.360 (brightness)
B = 123.295 (background)
a = 0.960 px
b = -0.007 px
c = 0.563 px
xc = 7.123 px
yc = 5.926 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36845.2530
Standard deviation: 10.95523
R^2: 0.98391
Parameters:
a = 113.95902
b = 703.18784
c = 51.62143
d = 0.84287

Bead 2696

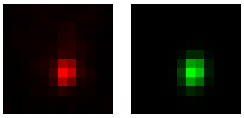
Date : Mon Oct 17 13:53:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

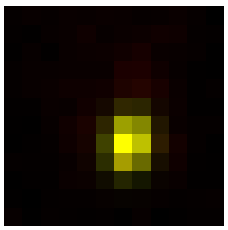
Coordinates : 13.5 um (x), -47.8 um (y), 51.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	403 nm	420 nm	270 nm
max	535 nm	557 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.754		
Theta	81.0°		

XY profile & fitting parameters :

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

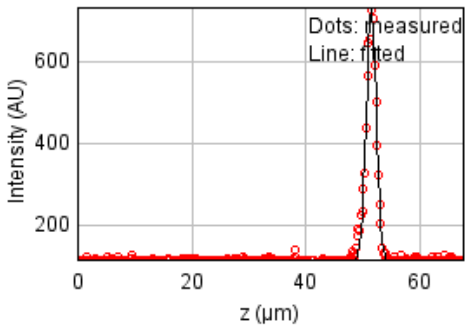




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 651.173 (brightness)
B = 124.807 (background)
a = 0.817 px
b = 0.055 px
c = 0.478 px
xc = 6.332 px
yc = 6.949 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28186.9358
Standard deviation: 9.58197
R^2: 0.98912
Parameters:
a = 112.92464
b = 732.90439
c = 51.53729
d = 0.86669

Bead 2697 (Rejected)

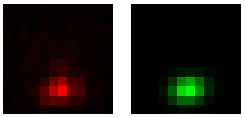
Date : Mon Oct 17 13:53:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

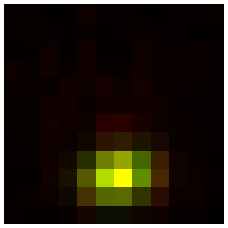
Coordinates : -96.2 um (x), -52.9 um (y), 47.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	446 nm	465 nm	270 nm
max	611 nm	636 nm	270 nm
z	2.08 um	2.09 um	1.3 um
Asymmetry	0.731		
Theta	10.9°		

XY profile & fitting parameters :

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

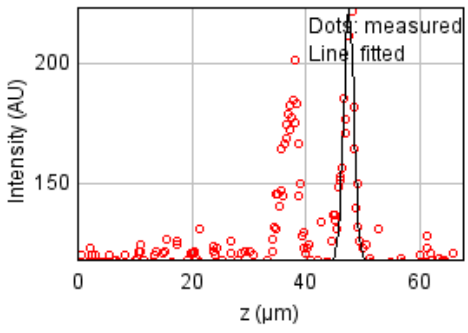




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.935

Parameters:
A = 434.496 (brightness)
B = 125.921 (background)
a = 0.371 px
b = 0.058 px
c = 0.663 px
xc = 5.727 px
yc = 8.858 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 72359.6750
Standard deviation: 15.35250
R^2: 0.51357
Parameters:
a = 117.74103
b = 223.73972
c = 47.58580
d = 0.88494

Bead 2698

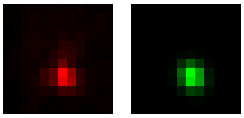
Date : Mon Oct 17 13:53:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

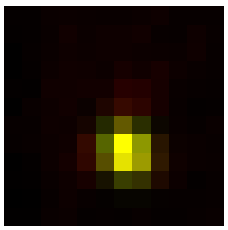
Coordinates : 104 um (x), -68.6 um (y), 51.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	490 nm	510 nm	270 nm
z	1.93 um	1.93 um	1.3 um
Asymmetry	0.861		
Theta	-66.5°		

XY profile & fitting parameters :

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

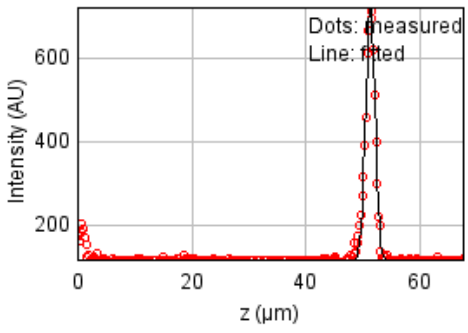




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.940

Parameters:
A = 643.462 (brightness)
B = 127.227 (background)
a = 0.724 px
b = -0.072 px
c = 0.591 px
xc = 6.182 px
yc = 7.418 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 58004.3645
Standard deviation: 13.74552
R^2: 0.97606
Parameters:
a = 114.18605
b = 726.66103
c = 51.37050
d = 0.81762

Bead 2699

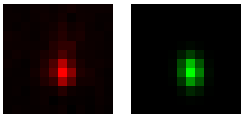
Date : Mon Oct 17 13:53:44 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

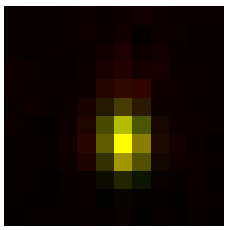
Coordinates : 129 um (x), -72.2 um (y), 51.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	408 nm	270 nm
max	565 nm	588 nm	270 nm
z	1.97 um	1.98 um	1.3 um
Asymmetry	0.693		
Theta	-85.0°		

XY profile & fitting parameters :

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

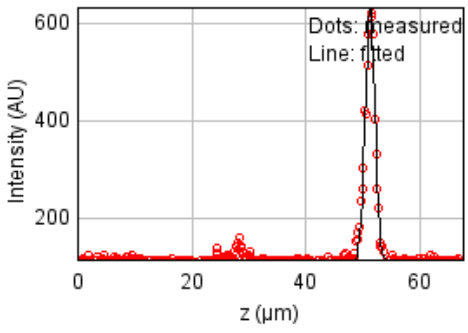




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 530.036 (brightness)
B = 121.896 (background)
a = 0.871 px
b = -0.040 px
c = 0.424 px
xc = 6.083 px
yc = 6.870 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 38378.4411
Standard deviation: 11.18084
R^2: 0.97860
Parameters:
a = 112.83432
b = 634.13196
c = 51.32582
d = 0.83828

Bead 2700 (Rejected)

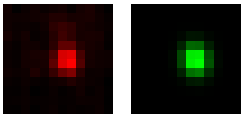
Date : Mon Oct 17 13:53:45 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

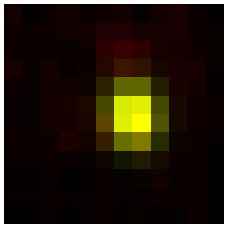
Coordinates : 31.6 um (x), -78.6 um (y), 50.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	477 nm	497 nm	270 nm
max	582 nm	606 nm	270 nm
z	2.51 um	2.52 um	1.3 um
Asymmetry	0.82		
Theta	-83.1°		

XY profile & fitting parameters :

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

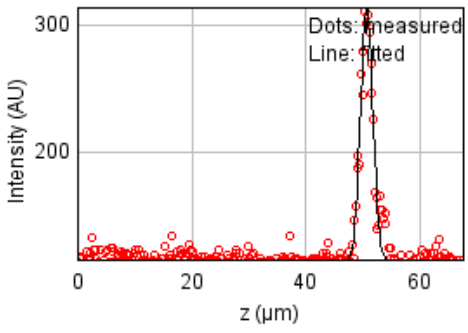




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 446.202 (brightness)
B = 125.845 (background)
a = 0.587 px
b = -0.023 px
c = 0.399 px
xc = 6.534 px
yc = 5.560 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22405.1562
Standard deviation: 8.54289
R^2: 0.93627
Parameters:
a = 113.44229
b = 315.06400
c = 50.74204
d = 1.06423