Bead 1601

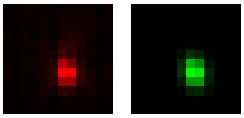
Date : Mon Oct 17 13:52:27 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

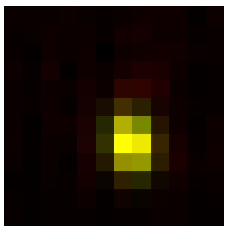
Coordinates : 5.6 um (x), -44.8 um (y), 31.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	390 nm	407 nm	270 nm
max	540 nm	563 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.722		
Theta	-79.4°		

XY profile & fitting parameters :

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

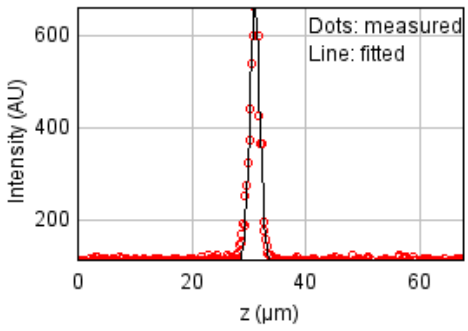




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

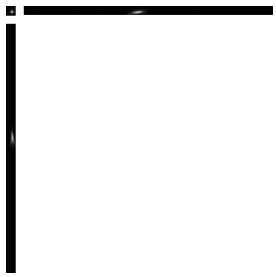
Parameters:
A = 683.321 (brightness)
B = 124.239 (background)
a = 0.867 px
b = -0.076 px
c = 0.474 px
xc = 6.443 px
yc = 6.970 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37440.1682
Standard deviation: 11.04332
R^2: 0.98178
Parameters:
a = 114.52249
b = 666.05240
c = 31.12657
d = 0.86220

Bead 1602



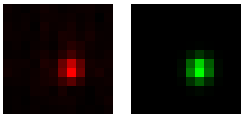
Date : Mon Oct 17 13:52:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

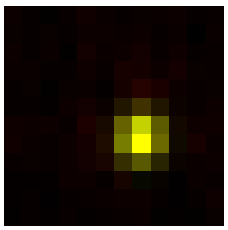
Coordinates : -118 um (x), -70.9 um (y), 30.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	466 nm	485 nm	270 nm
z	2.08 um	2.09 um	1.3 um
Asymmetry	0.878		
Theta	83.0°		

XY profile & fitting parameters :

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

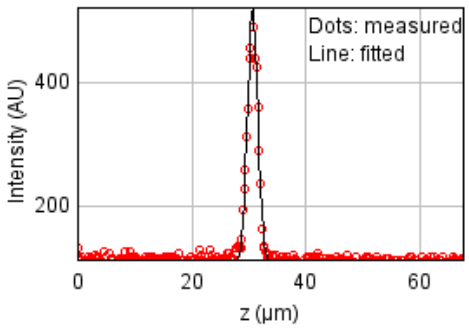




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.969

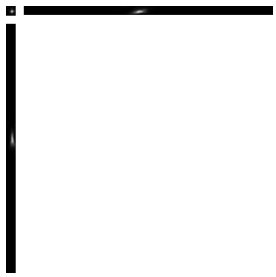
Parameters:
A = 437.574 (brightness)
B = 118.564 (background)
a = 0.799 px
b = 0.022 px
c = 0.621 px
xc = 6.955 px
yc = 6.659 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18191.0319
Standard deviation: 7.69767
R^2: 0.98425
Parameters:
a = 112.05709
b = 521.39120
c = 30.74399
d = 0.88283

Bead 1603



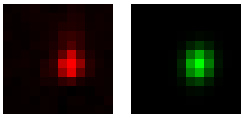
Date : Mon Oct 17 13:52:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

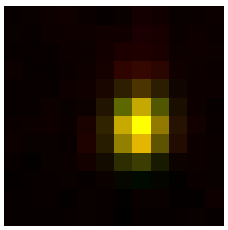
Coordinates : 100 um (x), -74.7 um (y), 31.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	479 nm	499 nm	270 nm
max	600 nm	625 nm	270 nm
z	2.02 um	2.03 um	1.3 um
Asymmetry	0.799		
Theta	81.2°		

XY profile & fitting parameters :

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

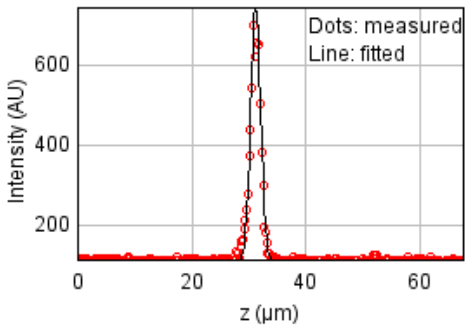




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 548.152 (brightness)
B = 122.239 (background)
a = 0.579 px
b = 0.032 px
c = 0.377 px
xc = 6.857 px
yc = 6.063 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61208.0327
Standard deviation: 14.12001
R^2: 0.97715
Parameters:
a = 112.40540
b = 741.53754
c = 31.27055
d = 0.85951

Bead 1604 (Rejected)

Date : Mon Oct 17 13:52:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 32.3 um (x), 87.2 um (y), 25.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

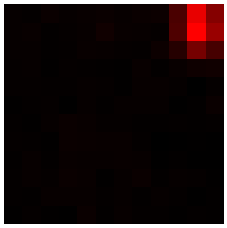
FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

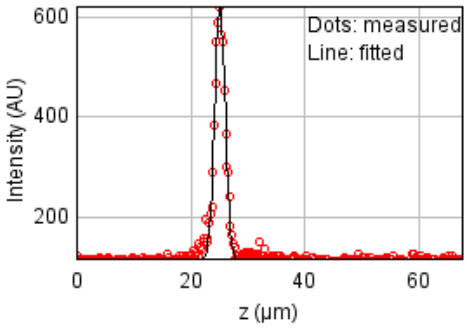
XY profile & fitting parameters :

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

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

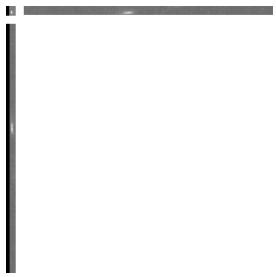
Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34816.6932
Standard deviation: 10.64939
R^2: 0.98098
Parameters:
a = 115.56067
b = 624.50757
c = 25.19853
d = 0.90317

Bead 1605 (Rejected)



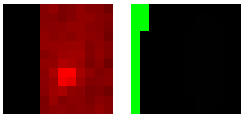
Date : Mon Oct 17 13:52:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

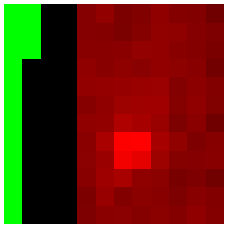
Coordinates : -164 um (x), 79.5 um (y), 28.3 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	2.0 um	2.08 um	270 nm
max	5.8 um	6.05 um	270 nm
z	2.11 um	2.11 um	1.3 um
Asymmetry	0.344		
Theta	89.2°		

XY profile & fitting parameters :

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

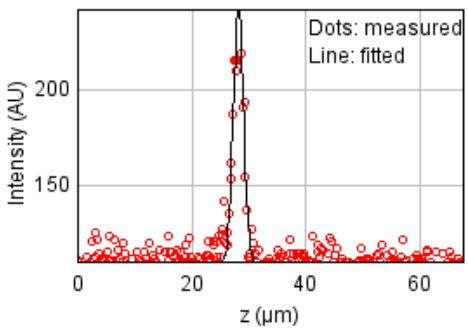




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.806

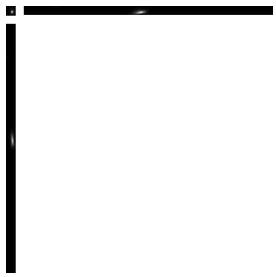
Parameters:
A = 195.016 (brightness)
B = -41.510 (background)
a = 0.034 px
b = 0.000 px
c = 0.004 px
xc = 7.660 px
yc = 6.176 px

Z profile & fitting parameters:



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

Bead 1606



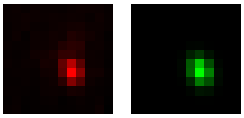
Date : Mon Oct 17 13:52:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

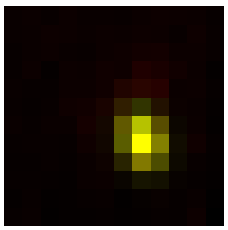
Coordinates : -51.7 um (x), 76.9 um (y), 31.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	389 nm	406 nm	270 nm
max	529 nm	551 nm	270 nm
z	2.01 um	2.02 um	1.3 um
Asymmetry	0.736		
Theta	-73.0°		

XY profile & fitting parameters :

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

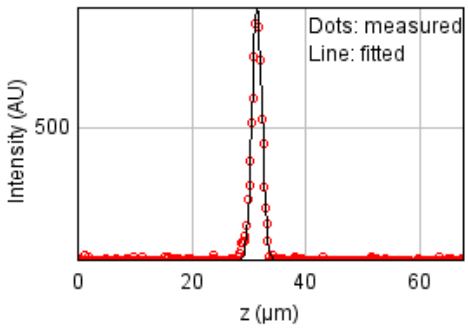




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 747.358 (brightness)
B = 129.028 (background)
a = 0.850 px
b = -0.113 px
c = 0.514 px
xc = 7.065 px
yc = 6.785 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 30766.4873
Standard deviation: 10.01082
R^2: 0.99141
Parameters:
a = 114.39142
b = 849.54469
c = 31.50614
d = 0.85414

Bead 1607

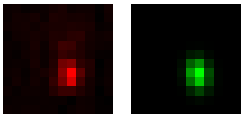
Date : Mon Oct 17 13:52:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

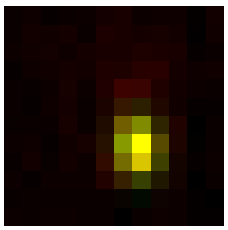
Coordinates : 118 um (x), 45.6 um (y), 31.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	411 nm	270 nm
max	561 nm	585 nm	270 nm
z	1.94 um	1.95 um	1.3 um
Asymmetry	0.702		
Theta	-83.2°		

XY profile & fitting parameters :

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

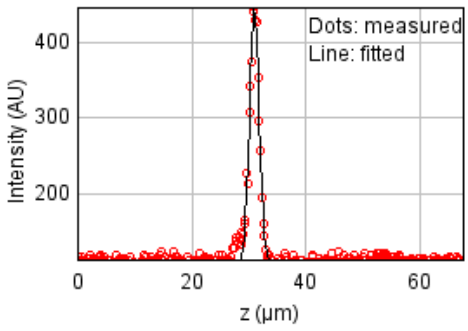




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.910

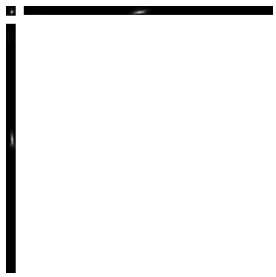
Parameters:
A = 334.821 (brightness)
B = 118.749 (background)
a = 0.857 px
b = -0.051 px
c = 0.432 px
xc = 6.800 px
yc = 7.180 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18295.9931
Standard deviation: 7.71985
R^2: 0.97495
Parameters:
a = 111.83207
b = 446.45710
c = 31.03434
d = 0.82482

Bead 1608



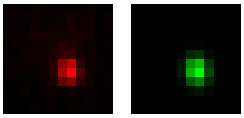
Date : Mon Oct 17 13:52:28 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

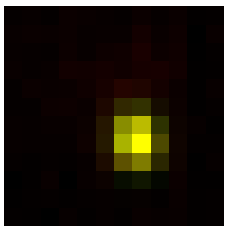
Coordinates : -24.5 um (x), 35.8 um (y), 31.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	513 nm	534 nm	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.794		
Theta	-82.7°		

XY profile & fitting parameters :

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

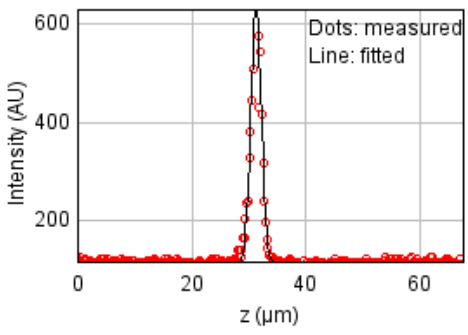




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.967

Parameters:
A = 632.247 (brightness)
B = 123.408 (background)
a = 0.806 px
b = -0.038 px
c = 0.515 px
xc = 6.711 px
yc = 6.780 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 61598.1714
Standard deviation: 14.16494
R^2: 0.96814
Parameters:
a = 114.09749
b = 632.95709
c = 31.34753
d = 0.90599

Bead 1609 (Rejected)

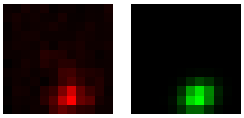
Date : Mon Oct 17 13:52:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

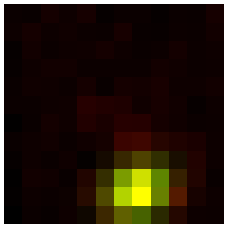
Coordinates : -7.53 um (x), 29.7 um (y), 28.1 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	476 nm	496 nm	270 nm
max	587 nm	611 nm	270 nm
z	3.51 um	3.53 um	1.3 um
Asymmetry	0.812		
Theta	29.3°		

XY profile & fitting parameters :

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

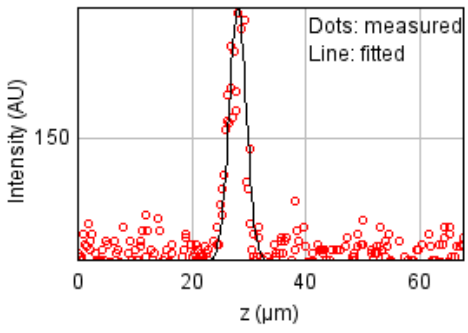




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.911

Parameters:
A = 320.991 (brightness)
B = 124.810 (background)
a = 0.438 px
b = 0.086 px
c = 0.543 px
xc = 6.779 px
yc = 9.655 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14665.5260
Standard deviation: 6.91162
R^2: 0.82000
Parameters:
a = 112.67205
b = 190.30993
c = 28.14083
d = 1.49223

Bead 1610

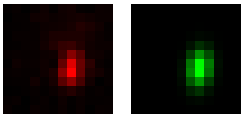
Date : Mon Oct 17 13:52:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

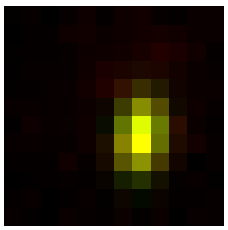
Coordinates : 50.2 um (x), 26.8 um (y), 30.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	422 nm	439 nm	270 nm
max	696 nm	725 nm	270 nm
z	1.76 um	1.76 um	1.3 um
Asymmetry	0.606		
Theta	83.7°		

XY profile & fitting parameters :

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

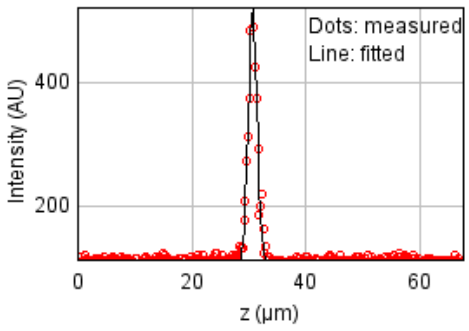




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

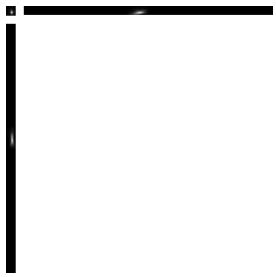
Parameters:
A = 401.557 (brightness)
B = 119.504 (background)
a = 0.749 px
b = 0.052 px
c = 0.283 px
xc = 6.976 px
yc = 6.525 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20323.3599
Standard deviation: 8.13633
R^2: 0.97927
Parameters:
a = 113.00233
b = 520.71254
c = 30.74708
d = 0.74597

Bead 1611



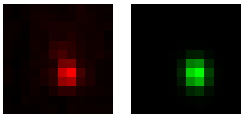
Date : Mon Oct 17 13:52:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

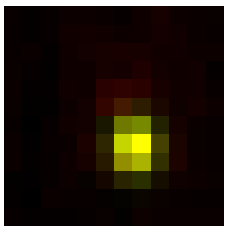
Coordinates : 102 um (x), 16.4 um (y), 31.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	526 nm	548 nm	270 nm
z	1.94 um	1.94 um	1.3 um
Asymmetry	0.789		
Theta	-84.7°		

XY profile & fitting parameters :

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

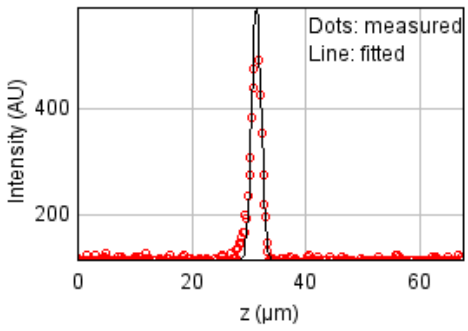




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.936

Parameters:
A = 546.861 (brightness)
B = 123.174 (background)
a = 0.777 px
b = -0.027 px
c = 0.488 px
xc = 6.620 px
yc = 7.113 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36940.9357
Standard deviation: 10.96945
R^2: 0.97538
Parameters:
a = 112.88453
b = 593.29619
c = 31.40976
d = 0.82240

Bead 1612

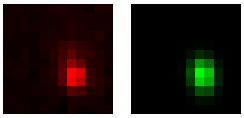
Date : Mon Oct 17 13:52:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

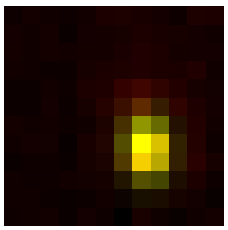
Coordinates : 83.9 um (x), 13.5 um (y), 31.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	425 nm	443 nm	270 nm
max	605 nm	631 nm	270 nm
z	2.11 um	2.12 um	1.3 um
Asymmetry	0.702		
Theta	-84.8°		

XY profile & fitting parameters :

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

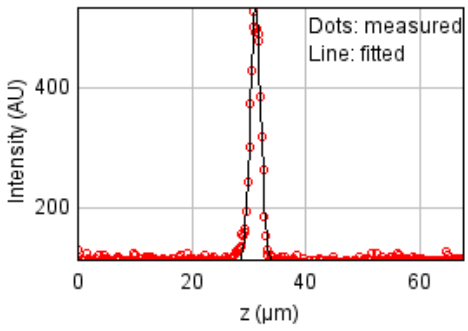




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.938

Parameters:
A = 425.106 (brightness)
B = 118.527 (background)
a = 0.740 px
b = -0.034 px
c = 0.369 px
xc = 7.321 px
yc = 7.243 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20039.7056
Standard deviation: 8.07935
R^2: 0.98359
Parameters:
a = 113.46868
b = 531.17820
c = 31.25117
d = 0.89670

Bead 1613 (Rejected)

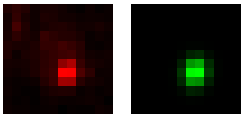
Date : Mon Oct 17 13:52:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

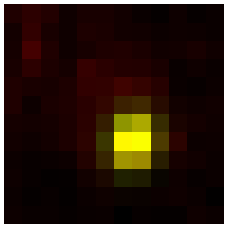
Coordinates : -27.4 um (x), -5.82 um (y), 31.5 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	439 nm	270 nm
max	517 nm	538 nm	270 nm
z	2.08 um	2.09 um	1.3 um
Asymmetry	0.816		
Theta	78.5°		

XY profile & fitting parameters :

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

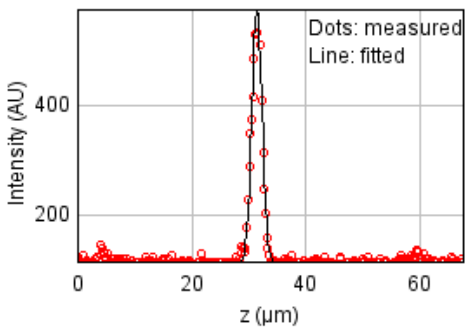




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.887

Parameters:
A = 485.176 (brightness)
B = 133.965 (background)
a = 0.746 px
b = 0.050 px
c = 0.513 px
xc = 6.523 px
yc = 6.947 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34553.9750
Standard deviation: 10.60913
R^2: 0.97676
Parameters:
a = 114.99770
b = 577.16668
c = 31.50062
d = 0.88470

Bead 1614

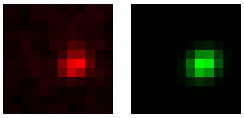
Date : Mon Oct 17 13:52:29 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

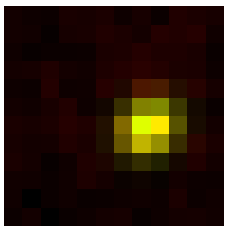
Coordinates : -69.7 um (x), -25.4 um (y), 30.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	486 nm	506 nm	270 nm
max	564 nm	588 nm	270 nm
z	2.28 um	2.29 um	1.3 um
Asymmetry	0.861		
Theta	39.2°		

XY profile & fitting parameters :

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

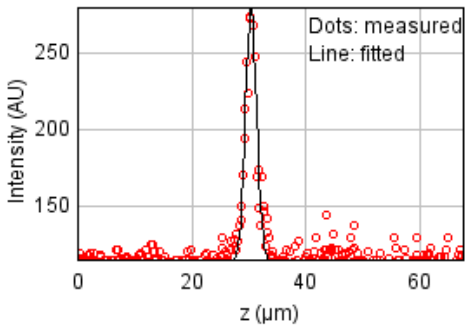




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.929

Parameters:
A = 227.279 (brightness)
B = 116.550 (background)
a = 0.480 px
b = 0.072 px
c = 0.510 px
xc = 7.399 px
yc = 6.107 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21112.7353
Standard deviation: 8.29284
R^2: 0.90707
Parameters:
a = 114.01623
b = 280.93743
c = 30.46158
d = 0.96695

Bead 1615

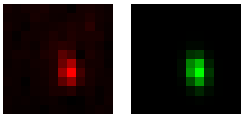
Date : Mon Oct 17 13:52:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

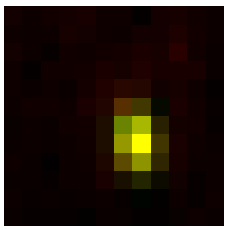
Coordinates : 141 um (x), -35.7 um (y), 31.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	357 nm	372 nm	270 nm
max	563 nm	586 nm	270 nm
z	2.11 um	2.12 um	1.3 um
Asymmetry	0.635		
Theta	-81.9°		

XY profile & fitting parameters :

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

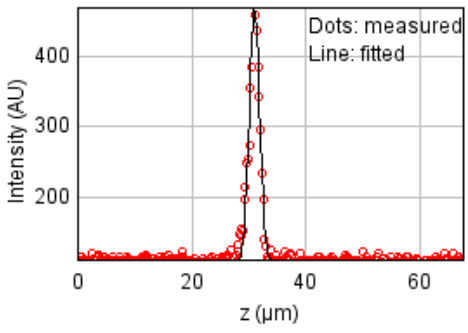




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.935

Parameters:
A = 382.688 (brightness)
B = 121.129 (background)
a = 1.038 px
b = -0.087 px
c = 0.436 px
xc = 6.735 px
yc = 6.823 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23137.9870
Standard deviation: 8.68148
R^2: 0.97452
Parameters:
a = 110.65131
b = 469.16158
c = 31.05735
d = 0.89684

Bead 1616

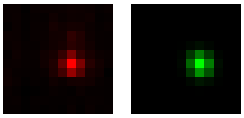
Date : Mon Oct 17 13:52:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

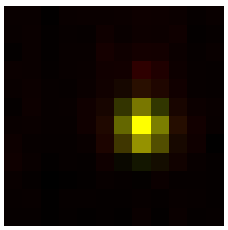
Coordinates : -133 um (x), -82.4 um (y), 31.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	454 nm	473 nm	270 nm
z	2.1 um	2.11 um	1.3 um
Asymmetry	0.893		
Theta	-75.3°		

XY profile & fitting parameters :

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

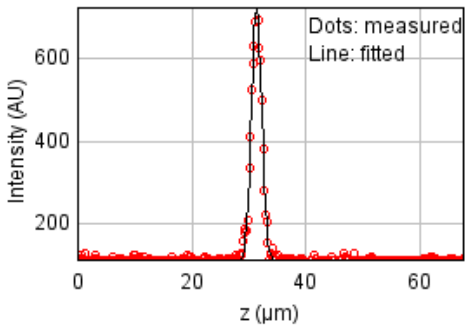




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

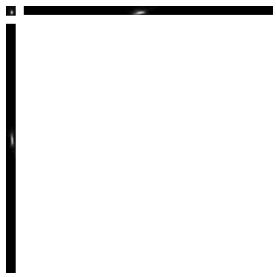
Parameters:
A = 616.033 (brightness)
B = 122.139 (background)
a = 0.807 px
b = -0.041 px
c = 0.662 px
xc = 7.065 px
yc = 6.080 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24747.3320
Standard deviation: 8.97832
R^2: 0.99048
Parameters:
a = 111.64191
b = 724.51711
c = 31.43532
d = 0.89279

Bead 1617



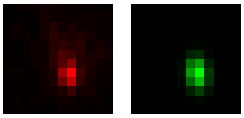
Date : Mon Oct 17 13:52:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

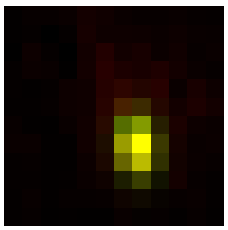
Coordinates : 66.6 um (x), 86.1 um (y), 31.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	365 nm	381 nm	270 nm
max	582 nm	606 nm	270 nm
z	1.8 um	1.81 um	1.3 um
Asymmetry	0.628		
Theta	-83.7°		

XY profile & fitting parameters :

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

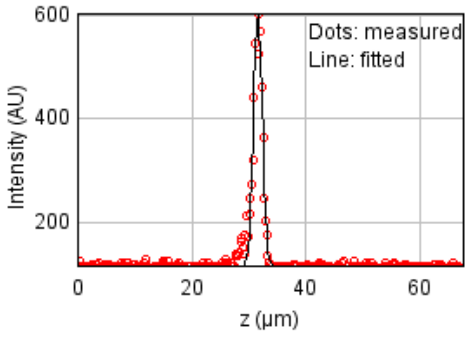




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.913

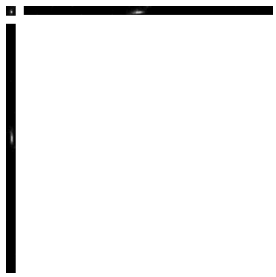
Parameters:
A = 482.275 (brightness)
B = 126.962 (background)
a = 0.998 px
b = -0.066 px
c = 0.403 px
xc = 6.750 px
yc = 7.078 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 42301.2270
Standard deviation: 11.73836
R^2: 0.97096
Parameters:
a = 114.13584
b = 603.47015
c = 31.66301
d = 0.76357

Bead 1618



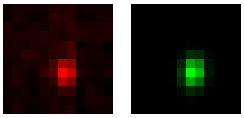
Date : Mon Oct 17 13:52:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

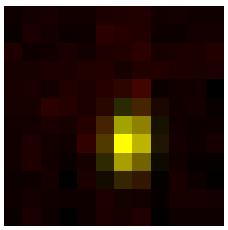
Coordinates : -146 um (x), 84.8 um (y), 31.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	544 nm	567 nm	270 nm
z	2.18 um	2.18 um	1.3 um
Asymmetry	0.705		
Theta	83.0°		

XY profile & fitting parameters :

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

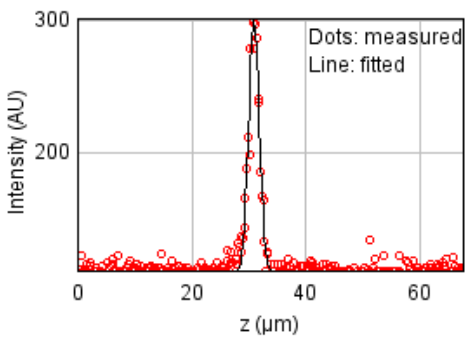




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.908

Parameters:
A = 197.811 (brightness)
B = 116.750 (background)
a = 0.905 px
b = 0.056 px
c = 0.460 px
xc = 6.315 px
yc = 6.941 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14068.3120
Standard deviation: 6.76943
R^2: 0.94850
Parameters:
a = 110.30139
b = 301.55473
c = 30.96631
d = 0.92386

Bead 1619 (Rejected)

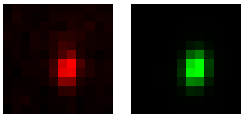
Date : Mon Oct 17 13:52:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

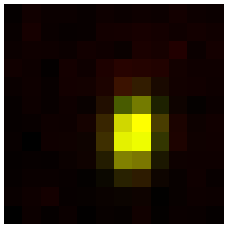
Coordinates : -146 um (x), 76.8 um (y), 53.9 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	608 nm	633 nm	270 nm
z	2.08 um	2.09 um	1.3 um
Asymmetry	0.67		
Theta	81.9°		

XY profile & fitting parameters :

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

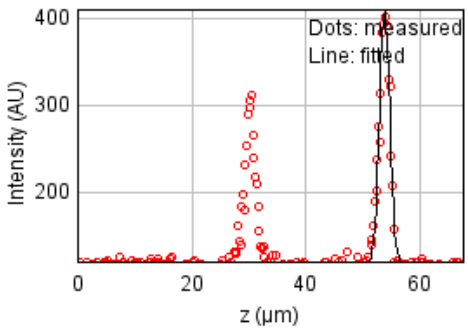




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

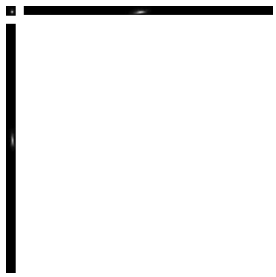
Parameters:
A = 386.998 (brightness)
B = 116.488 (background)
a = 0.801 px
b = 0.062 px
c = 0.372 px
xc = 6.564 px
yc = 6.558 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 279828.492
Standard deviation: 30.19095
R^2: 0.67274
Parameters:
a = 118.88876
b = 410.04991
c = 53.87480
d = 0.88299

Bead 1620



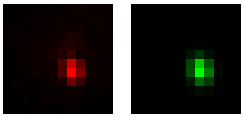
Date : Mon Oct 17 13:52:30 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

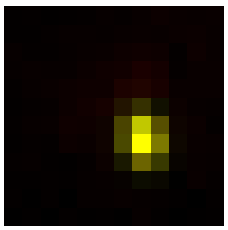
Coordinates : -62.9 um (x), 73.0 um (y), 31.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	363 nm	378 nm	270 nm
max	484 nm	504 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.749		
Theta	-78.3°		

XY profile & fitting parameters :

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

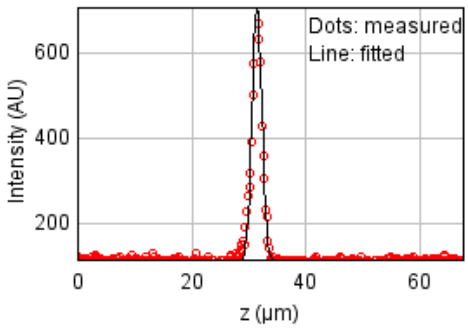




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.971

Parameters:
A = 693.137 (brightness)
B = 124.718 (background)
a = 1.001 px
b = -0.089 px
c = 0.591 px
xc = 7.101 px
yc = 6.725 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40855.5591
Standard deviation: 11.53603
R^2: 0.98257
Parameters:
a = 113.23397
b = 708.45560
c = 31.49678
d = 0.84431

Bead 1621

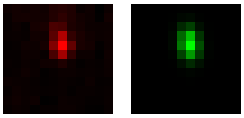
Date : Mon Oct 17 13:52:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

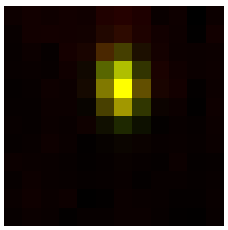
Coordinates : 193 nm (x), 59.5 um (y), 15.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	373 nm	389 nm	270 nm
max	579 nm	604 nm	270 nm
z	1.87 um	1.88 um	1.3 um
Asymmetry	0.644		
Theta	-83.6°		

XY profile & fitting parameters :

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

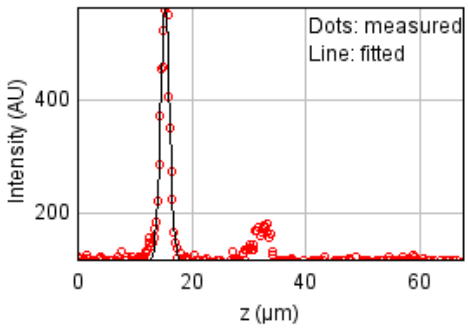




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.945

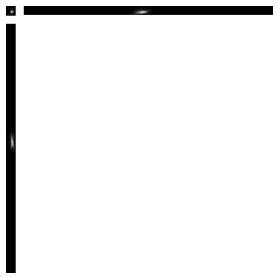
Parameters:
A = 438.539 (brightness)
B = 120.168 (background)
a = 0.956 px
b = -0.062 px
c = 0.407 px
xc = 5.878 px
yc = 3.844 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 72879.6611
Standard deviation: 15.40756
R^2: 0.94349
Parameters:
a = 118.52658
b = 563.84740
c = 15.39562
d = 0.79462

Bead 1622



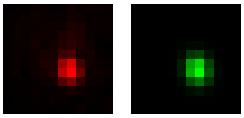
Date : Mon Oct 17 13:52:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

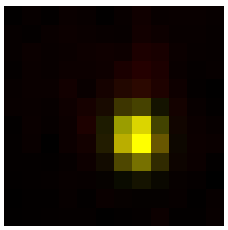
Coordinates : -66.3 um (x), 39.3 um (y), 32.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	444 nm	270 nm
max	523 nm	545 nm	270 nm
z	2.19 um	2.19 um	1.3 um
Asymmetry	0.816		
Theta	-80.5°		

XY profile & fitting parameters :

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

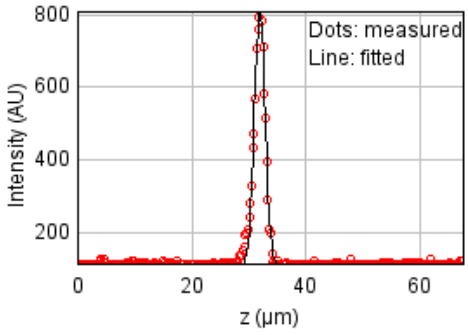




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 744.409 (brightness)
B = 128.435 (background)
a = 0.730 px
b = -0.040 px
c = 0.497 px
xc = 6.745 px
yc = 6.663 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 36645.3921
Standard deviation: 10.92548
R^2: 0.98951
Parameters:
a = 113.59477
b = 810.75875
c = 31.98776
d = 0.92818

Bead 1623

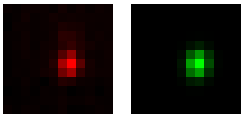
Date : Mon Oct 17 13:52:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

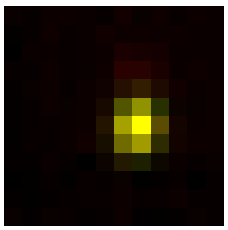
Coordinates : -88.9 um (x), 29.4 um (y), 31.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	418 nm	270 nm
max	506 nm	527 nm	270 nm
z	2.05 um	2.06 um	1.3 um
Asymmetry	0.793		
Theta	82.1°		

XY profile & fitting parameters :

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

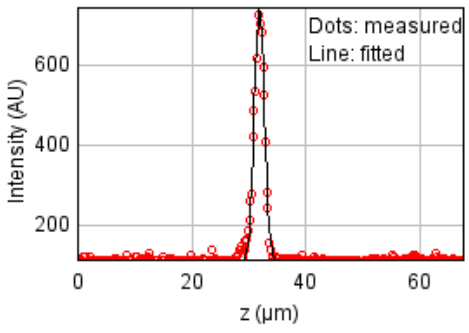




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.963

Parameters:
A = 684.324 (brightness)
B = 123.575 (background)
a = 0.828 px
b = 0.042 px
c = 0.531 px
xc = 6.772 px
yc = 6.044 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31603.4962
Standard deviation: 10.14608
R^2: 0.98814
Parameters:
a = 113.94459
b = 741.19793
c = 31.91587
d = 0.87047

Bead 1624

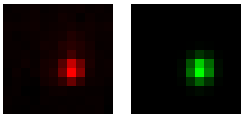
Date : Mon Oct 17 13:52:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

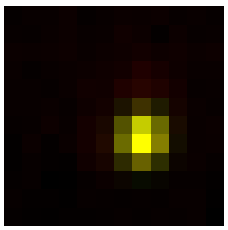
Coordinates : -77.0 um (x), 22.2 um (y), 31.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	475 nm	494 nm	270 nm
z	2.11 um	2.12 um	1.3 um
Asymmetry	0.867		
Theta	83.3°		

XY profile & fitting parameters :

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

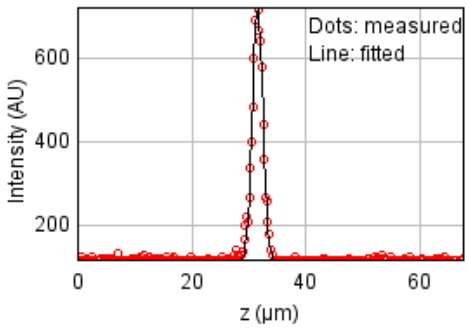




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 621.231 (brightness)
B = 125.040 (background)
a = 0.789 px
b = 0.023 px
c = 0.598 px
xc = 7.061 px
yc = 6.686 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25037.2491
Standard deviation: 9.03076
R^2: 0.99032
Parameters:
a = 114.84974
b = 724.70744
c = 31.61478
d = 0.89691

Bead 1625

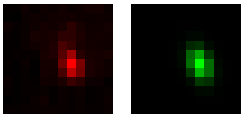
Date : Mon Oct 17 13:52:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

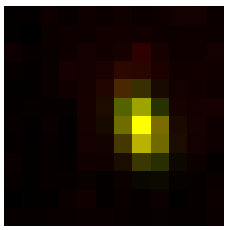
Coordinates : 104 um (x), 8.46 um (y), 31.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	621 nm	647 nm	270 nm
z	2.07 um	2.07 um	1.3 um
Asymmetry	0.619		
Theta	-71.8°		

XY profile & fitting parameters :

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

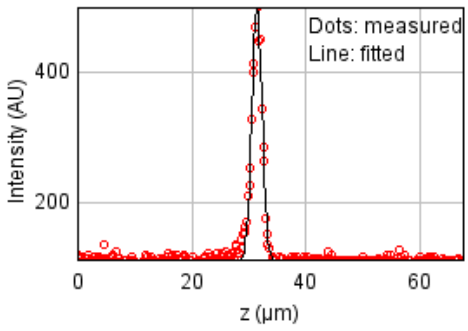




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.940

Parameters:
A = 390.026 (brightness)
B = 120.362 (background)
a = 0.854 px
b = -0.167 px
c = 0.403 px
xc = 7.007 px
yc = 6.056 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22128.5188
Standard deviation: 8.48999
R^2: 0.97834
Parameters:
a = 113.16609
b = 498.17624
c = 31.50511
d = 0.87716

Bead 1626

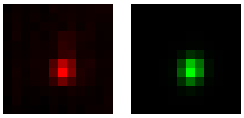
Date : Mon Oct 17 13:52:31 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

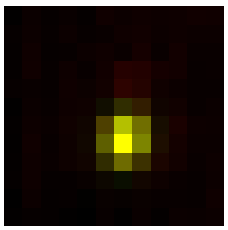
Coordinates : -104 um (x), -19.2 um (y), 31.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	485 nm	505 nm	270 nm
z	1.95 um	1.95 um	1.3 um
Asymmetry	0.826		
Theta	78.1°		

XY profile & fitting parameters :

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

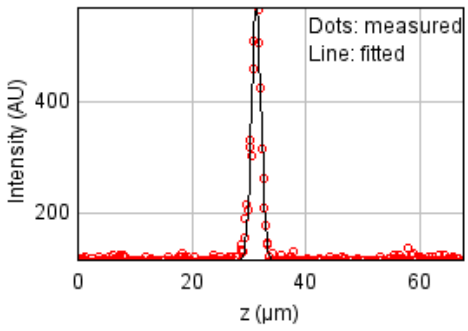




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 470.834 (brightness)
B = 119.457 (background)
a = 0.824 px
b = 0.053 px
c = 0.581 px
xc = 6.117 px
yc = 6.737 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33706.6936
Standard deviation: 10.47825
R^2: 0.97548
Parameters:
a = 113.57092
b = 572.52301
c = 31.38454
d = 0.82597

Bead 1627

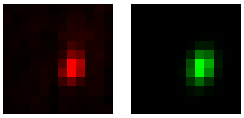
Date : Mon Oct 17 13:52:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

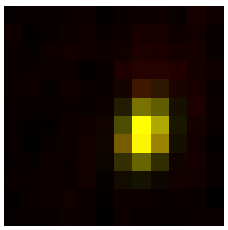
Coordinates : -89.1 um (x), -28.6 um (y), 31.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	401 nm	417 nm	270 nm
max	585 nm	609 nm	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.685		
Theta	76.0°		

XY profile & fitting parameters :

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

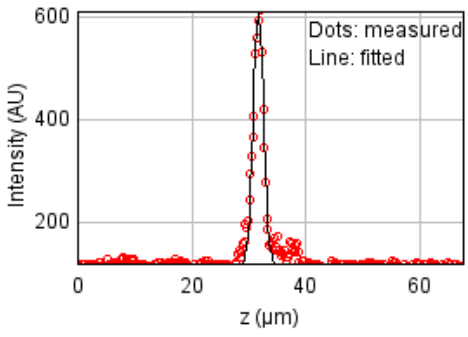




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 542.179 (brightness)
B = 122.696 (background)
a = 0.809 px
b = 0.104 px
c = 0.418 px
xc = 7.191 px
yc = 6.402 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 64230.8884
Standard deviation: 14.46448
R^2: 0.96295
Parameters:
a = 117.37138
b = 611.60254
c = 31.75273
d = 0.88963

Bead 1628

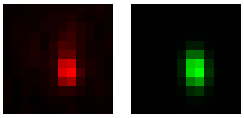
Date : Mon Oct 17 13:52:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

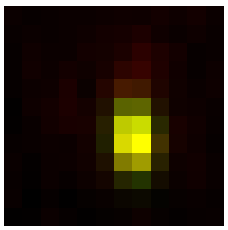
Coordinates : 103 um (x), -33.0 um (y), 31.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	386 nm	402 nm	270 nm
max	651 nm	678 nm	270 nm
z	2.1 um	2.11 um	1.3 um
Asymmetry	0.592		
Theta	-86.4°		

XY profile & fitting parameters :

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

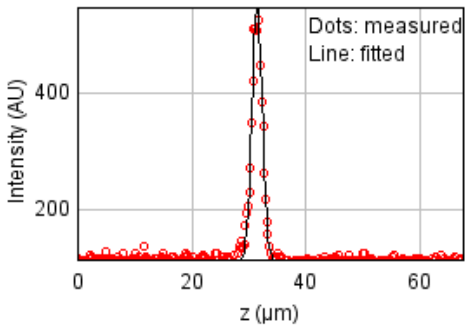




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.944

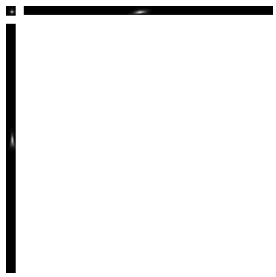
Parameters:
A = 447.536 (brightness)
B = 120.484 (background)
a = 0.900 px
b = -0.037 px
c = 0.319 px
xc = 6.577 px
yc = 6.679 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 22282.9045
Standard deviation: 8.51955
R^2: 0.98323
Parameters:
a = 112.05505
b = 548.37036
c = 31.52397
d = 0.89374

Bead 1629



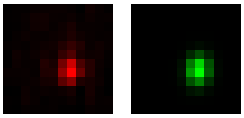
Date : Mon Oct 17 13:52:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

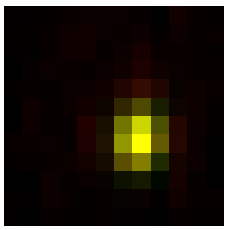
Coordinates : -11.0 um (x), -84.1 um (y), 31.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	551 nm	574 nm	270 nm
z	2.03 um	2.04 um	1.3 um
Asymmetry	0.748		
Theta	84.7°		

XY profile & fitting parameters :

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

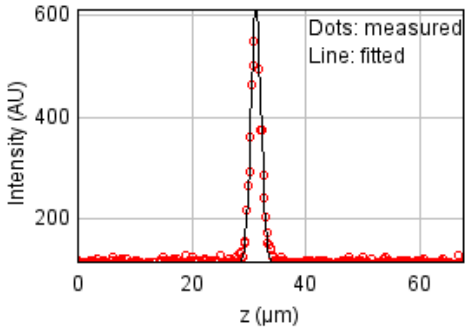




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.952

Parameters:
A = 514.668 (brightness)
B = 123.222 (background)
a = 0.787 px
b = 0.032 px
c = 0.445 px
xc = 6.847 px
yc = 6.714 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23371.6261
Standard deviation: 8.72520
R^2: 0.98617
Parameters:
a = 113.51836
b = 614.52615
c = 31.33394
d = 0.86300

Bead 1630

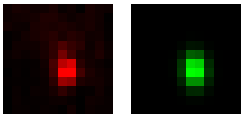
Date : Mon Oct 17 13:52:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

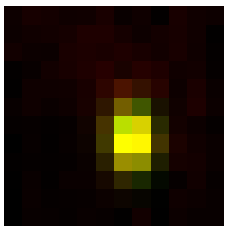
Coordinates : 65.0 um (x), 91.7 um (y), 31.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	436 nm	270 nm
max	610 nm	635 nm	270 nm
z	2.23 um	2.24 um	1.3 um
Asymmetry	0.687		
Theta	-88.0°		

XY profile & fitting parameters :

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

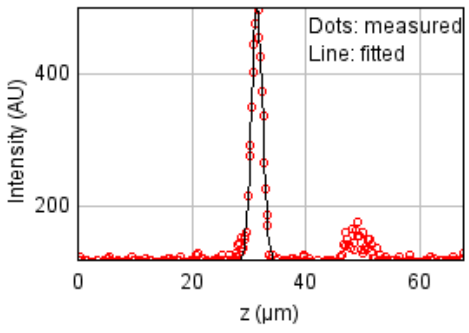




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.933

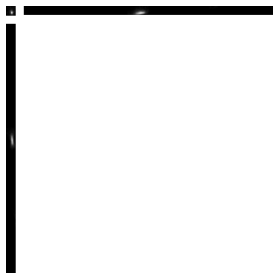
Parameters:
A = 474.608 (brightness)
B = 123.635 (background)
a = 0.764 px
b = -0.014 px
c = 0.361 px
xc = 6.472 px
yc = 6.708 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41582.4724
Standard deviation: 11.63820
R^2: 0.96286
Parameters:
a = 116.72978
b = 502.41962
c = 31.50355
d = 0.94647

Bead 1631



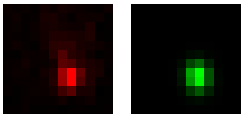
Date : Mon Oct 17 13:52:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

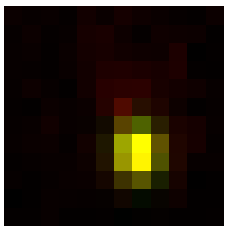
Coordinates : 61.6 um (x), 81.0 um (y), 31.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	517 nm	539 nm	270 nm
z	1.83 um	1.84 um	1.3 um
Asymmetry	0.798		
Theta	-84.4°		

XY profile & fitting parameters :

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

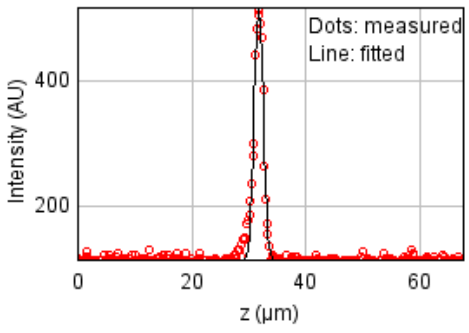




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.920

Parameters:
A = 441.442 (brightness)
B = 125.271 (background)
a = 0.785 px
b = -0.028 px
c = 0.504 px
xc = 6.789 px
yc = 7.443 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29032.8517
Standard deviation: 9.72469
R^2: 0.97144
Parameters:
a = 113.64123
b = 518.93376
c = 31.80226
d = 0.77797

Bead 1632

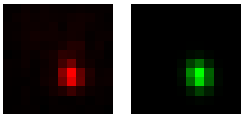
Date : Mon Oct 17 13:52:32 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

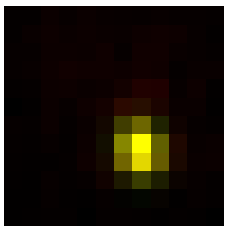
Coordinates : 2.84 um (x), 46.2 um (y), 32.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	404 nm	420 nm	270 nm
max	502 nm	523 nm	270 nm
z	1.89 um	1.9 um	1.3 um
Asymmetry	0.803		
Theta	-77.7°		

XY profile & fitting parameters :

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

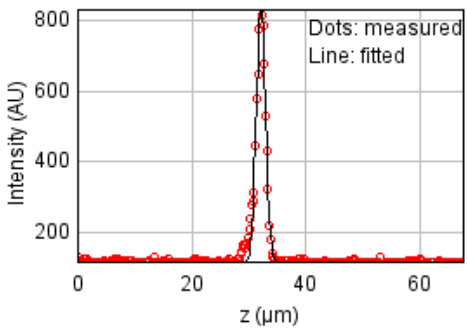




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

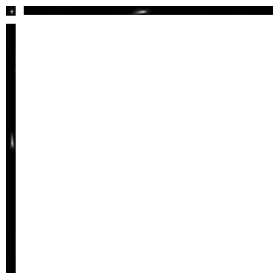
Parameters:
A = 813.585 (brightness)
B = 128.307 (background)
a = 0.811 px
b = -0.061 px
c = 0.545 px
xc = 6.919 px
yc = 7.333 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53163.0806
Standard deviation: 13.15939
R^2: 0.98368
Parameters:
a = 114.86055
b = 833.96276
c = 32.19522
d = 0.80309

Bead 1633



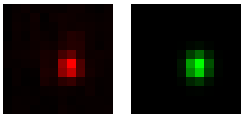
Date : Mon Oct 17 13:52:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

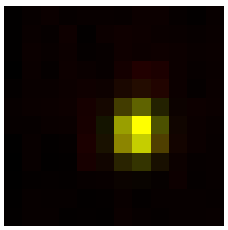
Coordinates : -53.9 um (x), 10.8 um (y), 32.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	423 nm	270 nm
max	482 nm	502 nm	270 nm
z	1.91 um	1.92 um	1.3 um
Asymmetry	0.844		
Theta	85.9°		

XY profile & fitting parameters :

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

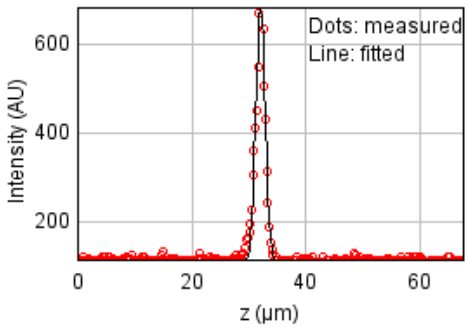




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 621.938 (brightness)
B = 121.138 (background)
a = 0.811 px
b = 0.017 px
c = 0.579 px
xc = 6.784 px
yc = 6.320 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 32607.5475
Standard deviation: 10.30599
R^2: 0.98409
Parameters:
a = 113.51320
b = 681.43297
c = 32.12305
d = 0.81041

Bead 1634

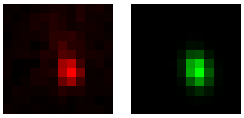
Date : Mon Oct 17 13:52:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

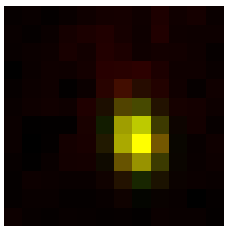
Coordinates : 133 um (x), -7.75 um (y), 31.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	438 nm	270 nm
max	599 nm	624 nm	270 nm
z	2.2 um	2.21 um	1.3 um
Asymmetry	0.701		
Theta	-77.4°		

XY profile & fitting parameters :

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

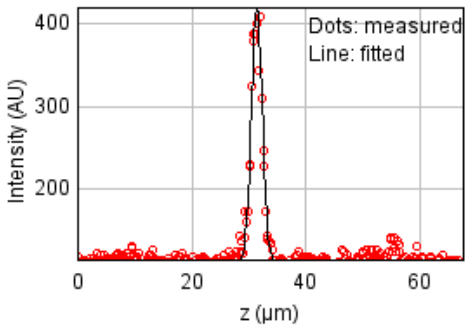




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.925

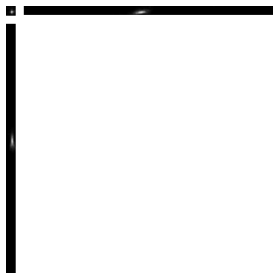
Parameters:
A = 292.634 (brightness)
B = 119.540 (background)
a = 0.741 px
b = -0.082 px
c = 0.392 px
xc = 6.749 px
yc = 6.743 px

Z profile & fitting parameters:



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

Bead 1635



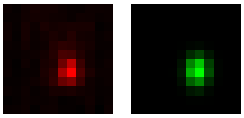
Date : Mon Oct 17 13:52:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

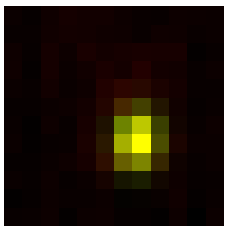
Coordinates : 5.0 um (x), -9.08 um (y), 31.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	550 nm	573 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.749		
Theta	86.4°		

XY profile & fitting parameters :

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

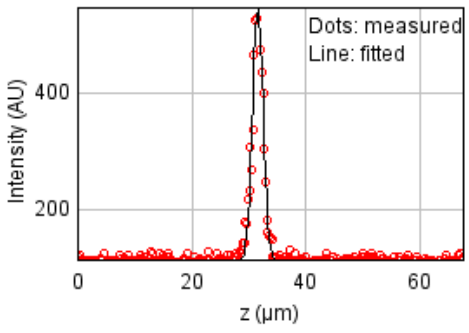




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.945

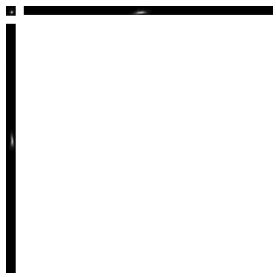
Parameters:
A = 441.646 (brightness)
B = 122.513 (background)
a = 0.789 px
b = 0.022 px
c = 0.444 px
xc = 6.745 px
yc = 6.784 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28150.2863
Standard deviation: 9.57574
R^2: 0.97903
Parameters:
a = 113.98964
b = 546.42808
c = 31.65165
d = 0.91620

Bead 1636



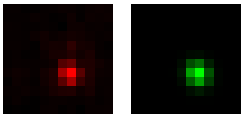
Date : Mon Oct 17 13:52:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

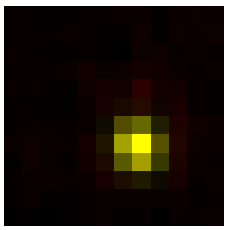
Coordinates : -116 um (x), -14.4 um (y), 31.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	452 nm	471 nm	270 nm
z	2.01 um	2.02 um	1.3 um
Asymmetry	0.896		
Theta	-66.5°		

XY profile & fitting parameters :

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

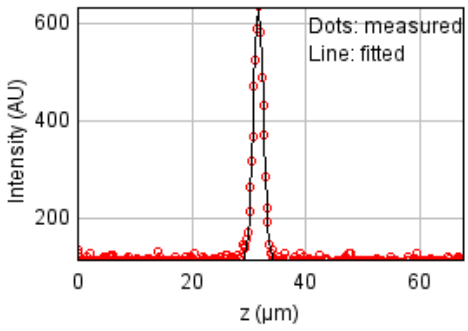




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 532.630 (brightness)
B = 121.703 (background)
a = 0.793 px
b = -0.059 px
c = 0.683 px
xc = 6.793 px
yc = 7.132 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21905.9973
Standard deviation: 8.44719
R^2: 0.98783
Parameters:
a = 112.44800
b = 633.13102
c = 31.74775
d = 0.85225

Bead 1637

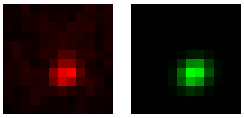
Date : Mon Oct 17 13:52:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

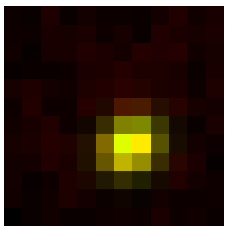
Coordinates : -69.7 um (x), -25.4 um (y), 30.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	485 nm	505 nm	270 nm
max	563 nm	587 nm	270 nm
z	2.28 um	2.29 um	1.3 um
Asymmetry	0.861		
Theta	39.1°		

XY profile & fitting parameters :

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

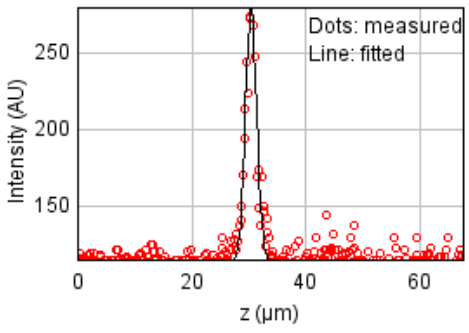




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.927

Parameters:
A = 227.311 (brightness)
B = 116.788 (background)
a = 0.482 px
b = 0.072 px
c = 0.512 px
xc = 6.400 px
yc = 7.107 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21112.7353
Standard deviation: 8.29284
R^2: 0.90707
Parameters:
a = 114.01623
b = 280.93743
c = 30.46158
d = 0.96695

Bead 1638

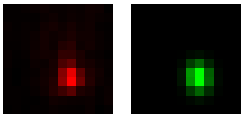
Date : Mon Oct 17 13:52:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

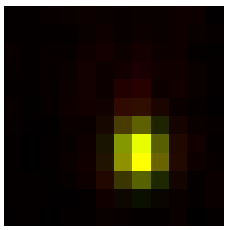
Coordinates : 62.7 um (x), -32.1 um (y), 31.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	531 nm	553 nm	270 nm
z	1.88 um	1.88 um	1.3 um
Asymmetry	0.798		
Theta	-85.1°		

XY profile & fitting parameters :

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

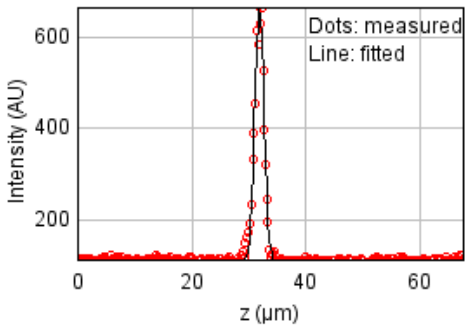




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 642.005 (brightness)
B = 125.604 (background)
a = 0.747 px
b = -0.023 px
c = 0.479 px
xc = 6.859 px
yc = 7.499 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29637.5187
Standard deviation: 9.82543
R^2: 0.98433
Parameters:
a = 112.90131
b = 663.04021
c = 31.92785
d = 0.79663

Bead 1639

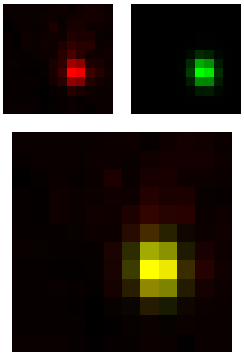
Date : Mon Oct 17 13:52:33 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 108 um (x), -34.9 um (y), 31.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	513 nm	534 nm	270 nm
z	2.2 um	2.21 um	1.3 um
Asymmetry	0.804		
Theta	-83.4°		

XY profile & fitting parameters :

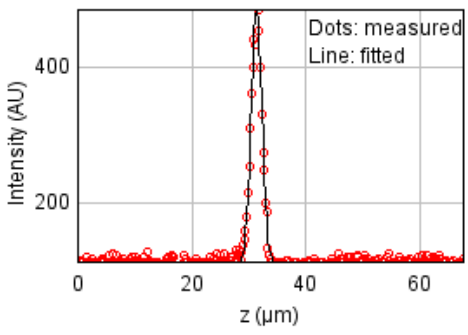
(red : the orignal data, green : the fit, yellow : the two merged)



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

Parameters:
A = 454.543 (brightness)
B = 120.397 (background)
a = 0.784 px
b = -0.032 px
c = 0.514 px
xc = 7.432 px
yc = 6.912 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15625.0752
Standard deviation: 7.13414
R^2: 0.98467
Parameters:
a = 111.78659
b = 485.88286
c = 31.42988
d = 0.93604

Bead 1640 (Rejected)

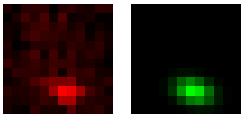
Date : Mon Oct 17 13:52:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

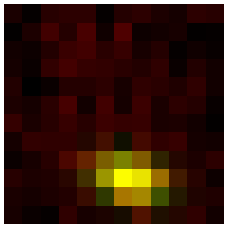
Coordinates : 159 um (x), -47.4 um (y), 5.54 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	444 nm	270 nm
max	687 nm	716 nm	270 nm
z	3.05 um	3.06 um	1.3 um
Asymmetry	0.621		
Theta	-14.8°		

XY profile & fitting parameters :

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

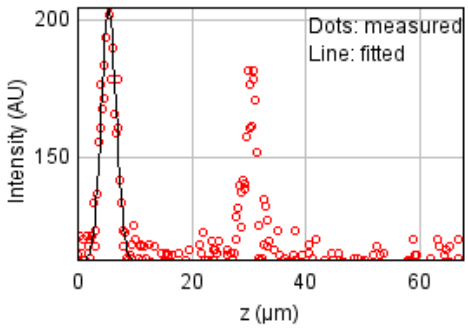




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.778

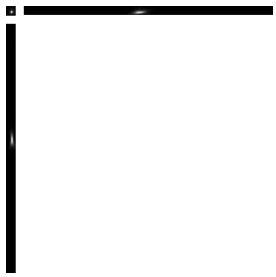
Parameters:
A = 89.218 (brightness)
B = 116.530 (background)
a = 0.314 px
b = -0.112 px
c = 0.708 px
xc = 6.342 px
yc = 9.028 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50415.0676
Standard deviation: 12.81478
R^2: 0.61676
Parameters:
a = 112.89960
b = 204.27090
c = 5.54413
d = 1.29380

Bead 1641



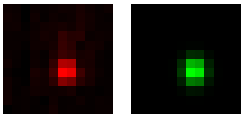
Date : Mon Oct 17 13:52:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

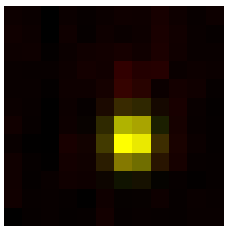
Coordinates : -145 um (x), -47.4 um (y), 31.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	415 nm	432 nm	270 nm
max	495 nm	516 nm	270 nm
z	2.22 um	2.23 um	1.3 um
Asymmetry	0.838		
Theta	89.5°		

XY profile & fitting parameters :

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

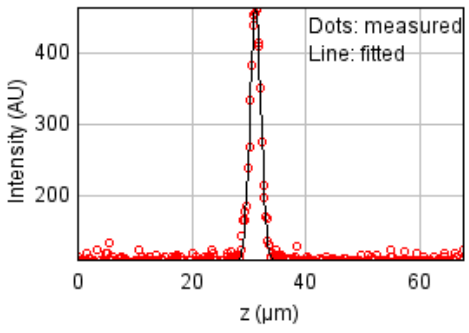




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.949

Parameters:
A = 399.424 (brightness)
B = 117.634 (background)
a = 0.780 px
b = 0.002 px
c = 0.547 px
xc = 6.442 px
yc = 6.821 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17869.4353
Standard deviation: 7.62933
R^2: 0.98050
Parameters:
a = 110.95964
b = 463.44090
c = 31.24457
d = 0.94406

Bead 1642 (Rejected)

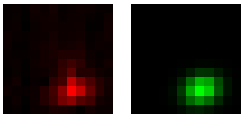
Date : Mon Oct 17 13:52:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : 114 um (x), -73.8 um (y), 28.3 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	524 nm	545 nm	270 nm
max	659 nm	686 nm	270 nm
z	3.07 um	3.08 um	1.3 um
Asymmetry	0.795		
Theta	17.9°		

XY profile & fitting parameters :

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

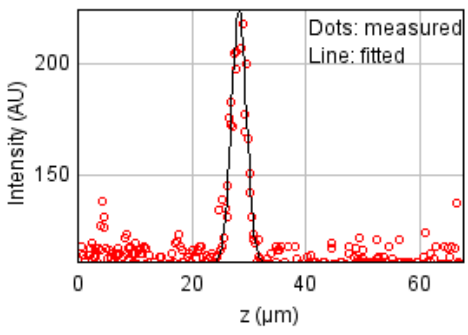


Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.923

Parameters:
A = 347.951 (brightness)
B = 120.927 (background)
a = 0.326 px
b = 0.053 px
c = 0.472 px

xc = 7.192 px
yc = 8.857 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16121.7419
Standard deviation: 7.24664
R^2: 0.88501
Parameters:
a = 111.35963
b = 224.02768
c = 28.33670
d = 1.30187

Bead 1643

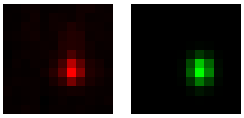
Date : Mon Oct 17 13:52:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

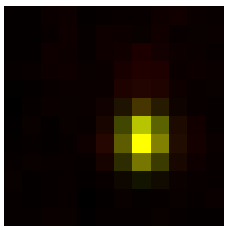
Coordinates : 64.7 um (x), -79.0 um (y), 31.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	413 nm	270 nm
max	509 nm	530 nm	270 nm
z	2.07 um	2.08 um	1.3 um
Asymmetry	0.778		
Theta	89.9°		

XY profile & fitting parameters :

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

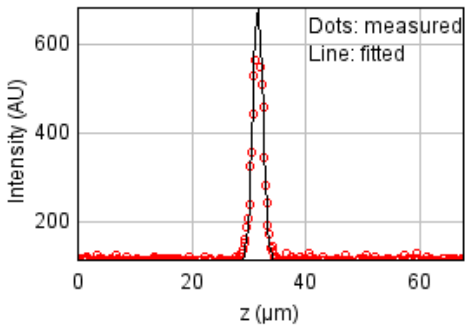




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

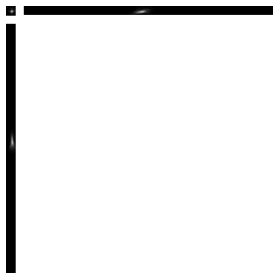
Parameters:
A = 611.379 (brightness)
B = 122.177 (background)
a = 0.855 px
b = 0.001 px
c = 0.518 px
xc = 7.097 px
yc = 6.754 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31524.1720
Standard deviation: 10.13334
R^2: 0.98574
Parameters:
a = 113.70236
b = 681.57905
c = 31.65696
d = 0.87905

Bead 1644



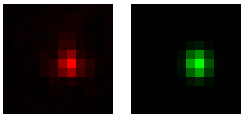
Date : Mon Oct 17 13:52:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

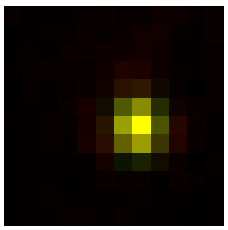
Coordinates : 5.67 um (x), -81.7 um (y), 31.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	494 nm	515 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.836		
Theta	-86.8°		

XY profile & fitting parameters :

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

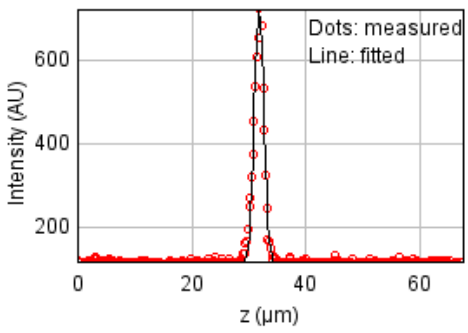




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

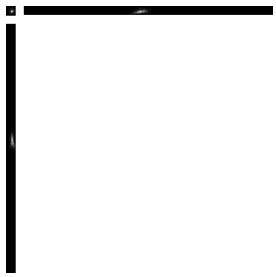
Parameters:
A = 603.446 (brightness)
B = 126.020 (background)
a = 0.786 px
b = -0.013 px
c = 0.550 px
xc = 6.794 px
yc = 6.049 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 42892.6034
Standard deviation: 11.82012
R^2: 0.98221
Parameters:
a = 114.96344
b = 722.08875
c = 31.86939
d = 0.83387

Bead 1645



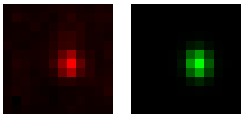
Date : Mon Oct 17 13:52:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

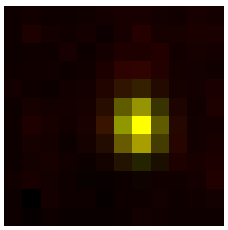
Coordinates : 144 um (x), -82.4 um (y), 31.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	416 nm	433 nm	270 nm
max	512 nm	533 nm	270 nm
z	2.07 um	2.08 um	1.3 um
Asymmetry	0.813		
Theta	-85.1°		

XY profile & fitting parameters :

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

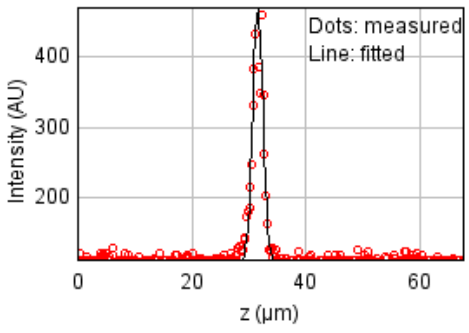




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.943

Parameters:
A = 365.377 (brightness)
B = 118.380 (background)
a = 0.774 px
b = -0.022 px
c = 0.515 px
xc = 6.837 px
yc = 6.023 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37933.8422
Standard deviation: 11.11589
R^2: 0.95830
Parameters:
a = 110.52804
b = 469.87948
c = 31.65088
d = 0.87837

Bead 1646

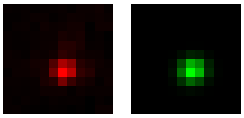
Date : Mon Oct 17 13:52:34 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

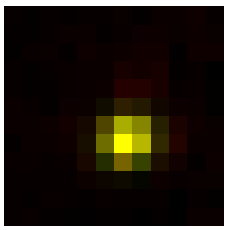
Coordinates : -75.8 um (x), -94.7 um (y), 31.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	443 nm	462 nm	270 nm
max	481 nm	501 nm	270 nm
z	2.26 um	2.26 um	1.3 um
Asymmetry	0.921		
Theta	21.9°		

XY profile & fitting parameters :

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

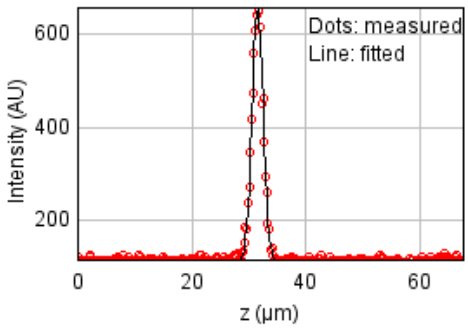




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 588.882 (brightness)
B = 123.890 (background)
a = 0.594 px
b = 0.036 px
c = 0.669 px
xc = 6.231 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: 20280.0169
Standard deviation: 8.12765
R^2: 0.99078
Parameters:
a = 113.25221
b = 658.56828
c = 31.61105
d = 0.95785

Bead 1647

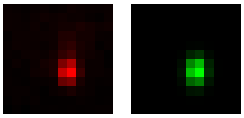
Date : Mon Oct 17 13:52:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

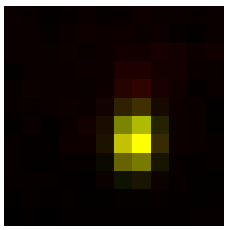
Coordinates : -84.1 um (x), 85.1 um (y), 31.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	363 nm	378 nm	270 nm
max	508 nm	529 nm	270 nm
z	2.04 um	2.05 um	1.3 um
Asymmetry	0.714		
Theta	86.7°		

XY profile & fitting parameters :

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

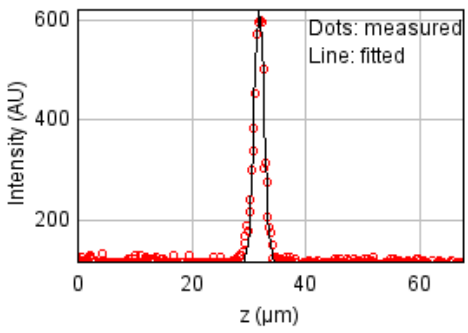




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

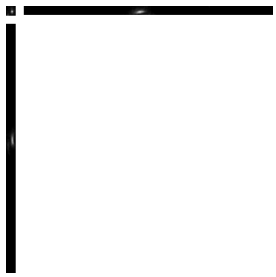
Parameters:
A = 629.291 (brightness)
B = 122.257 (background)
a = 1.019 px
b = 0.029 px
c = 0.523 px
xc = 6.643 px
yc = 6.820 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44862.7902
Standard deviation: 12.08854
R^2: 0.97449
Parameters:
a = 114.70754
b = 621.84932
c = 31.86874
d = 0.86619

Bead 1648



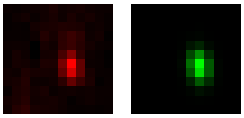
Date : Mon Oct 17 13:52:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

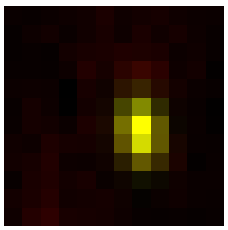
Coordinates : 156 um (x), 65.4 um (y), 31.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	376 nm	391 nm	270 nm
max	598 nm	623 nm	270 nm
z	2.09 um	2.09 um	1.3 um
Asymmetry	0.628		
Theta	-83.5°		

XY profile & fitting parameters :

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

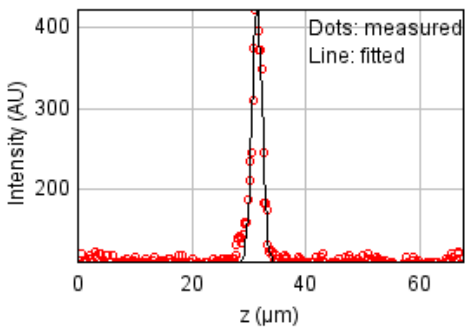




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.924

Parameters:
A = 345.562 (brightness)
B = 125.236 (background)
a = 0.944 px
b = -0.065 px
c = 0.383 px
xc = 6.962 px
yc = 6.295 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 28412.4026
Standard deviation: 9.62022
R^2: 0.95888
Parameters:
a = 110.90528
b = 422.95677
c = 31.52289
d = 0.88545

Bead 1649 (Rejected)

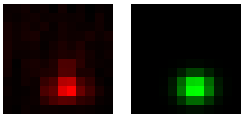
Date : Mon Oct 17 13:52:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

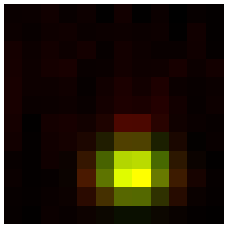
Coordinates : -52.0 um (x), 9.21 um (y), 28.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	505 nm	526 nm	270 nm
max	596 nm	620 nm	270 nm
z	4.06 um	4.08 um	1.3 um
Asymmetry	0.848		
Theta	0.8°		

XY profile & fitting parameters :

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

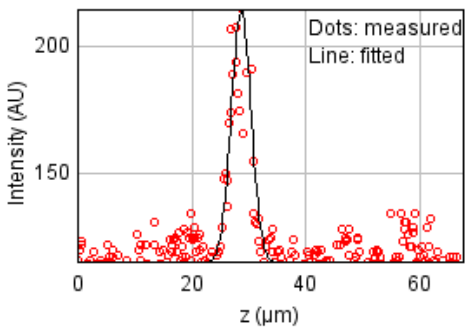




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.904

Parameters:
A = 343.588 (brightness)
B = 124.994 (background)
a = 0.378 px
b = 0.002 px
c = 0.526 px
xc = 6.522 px
yc = 8.650 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27501.1812
Standard deviation: 9.46469
R^2: 0.82031
Parameters:
a = 114.70242
b = 214.38858
c = 28.74313
d = 1.72359

Bead 1650

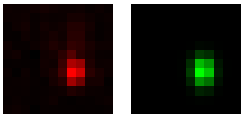
Date : Mon Oct 17 13:52:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

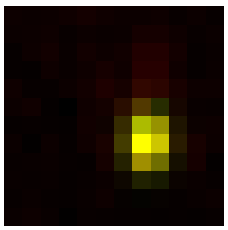
Coordinates : 51.6 um (x), 1.46 um (y), 31.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	412 nm	270 nm
max	550 nm	573 nm	270 nm
z	2.19 um	2.2 um	1.3 um
Asymmetry	0.72		
Theta	89.6°		

XY profile & fitting parameters :

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

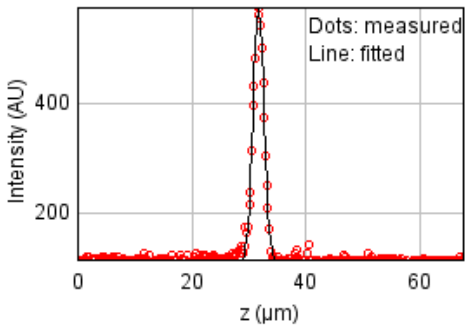




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.951

Parameters:
A = 505.082 (brightness)
B = 120.622 (background)
a = 0.856 px
b = 0.003 px
c = 0.443 px
xc = 7.350 px
yc = 6.846 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17003.2710
Standard deviation: 7.44213
R^2: 0.98905
Parameters:
a = 114.04403
b = 577.68656
c = 31.77251
d = 0.93200

Bead 1651

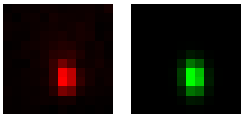
Date : Mon Oct 17 13:52:35 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

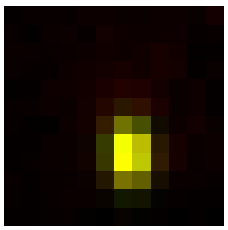
Coordinates : 89.4 um (x), -13.4 um (y), 32.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	408 nm	270 nm
max	580 nm	604 nm	270 nm
z	1.97 um	1.98 um	1.3 um
Asymmetry	0.675		
Theta	-86.3°		

XY profile & fitting parameters :

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

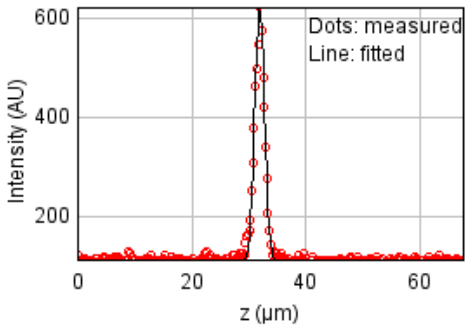




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 617.324 (brightness)
B = 127.653 (background)
a = 0.874 px
b = -0.031 px
c = 0.401 px
xc = 6.346 px
yc = 7.523 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27937.3047
Standard deviation: 9.53944
R^2: 0.98359
Parameters:
a = 113.34058
b = 623.26533
c = 31.96518
d = 0.83582

Bead 1652

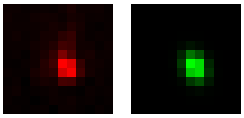
Date : Mon Oct 17 13:52:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

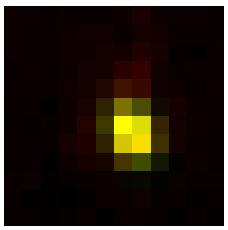
Coordinates : -75.4 um (x), -22.9 um (y), 32.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	392 nm	409 nm	270 nm
max	526 nm	548 nm	270 nm
z	2.14 um	2.14 um	1.3 um
Asymmetry	0.745		
Theta	-69.3°		

XY profile & fitting parameters :

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

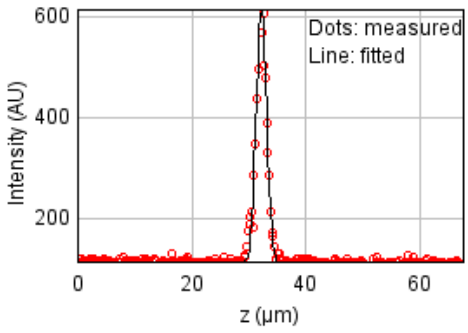




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 567.221 (brightness)
B = 123.313 (background)
a = 0.823 px
b = -0.128 px
c = 0.533 px
xc = 6.473 px
yc = 6.372 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 44453.9563
Standard deviation: 12.03334
R^2: 0.97530
Parameters:
a = 113.68403
b = 615.84031
c = 32.28352
d = 0.90717

Bead 1653

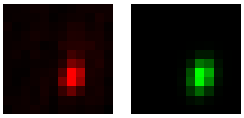
Date : Mon Oct 17 13:52:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

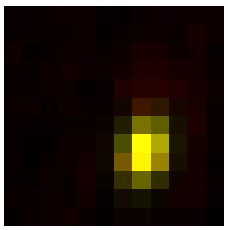
Coordinates : -89.1 um (x), -28.6 um (y), 31.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	400 nm	417 nm	270 nm
max	584 nm	608 nm	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.686		
Theta	75.9°		

XY profile & fitting parameters :

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

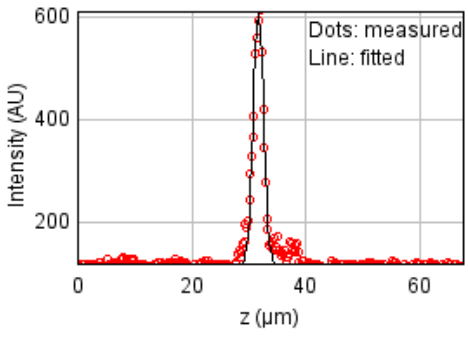




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

Parameters:
A = 542.200 (brightness)
B = 123.248 (background)
a = 0.812 px
b = 0.105 px
c = 0.420 px
xc = 7.191 px
yc = 7.402 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 64230.8884
Standard deviation: 14.46448
R^2: 0.96295
Parameters:
a = 117.37138
b = 611.60254
c = 31.75273
d = 0.88963

Bead 1654

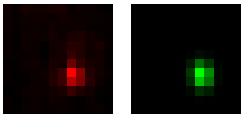
Date : Mon Oct 17 13:52:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

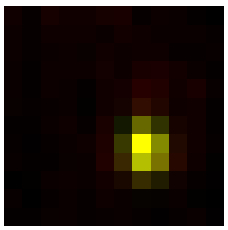
Coordinates : -90.2 um (x), -39.3 um (y), 32.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	355 nm	370 nm	270 nm
max	478 nm	497 nm	270 nm
z	1.87 um	1.88 um	1.3 um
Asymmetry	0.744		
Theta	-84.4°		

XY profile & fitting parameters :

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

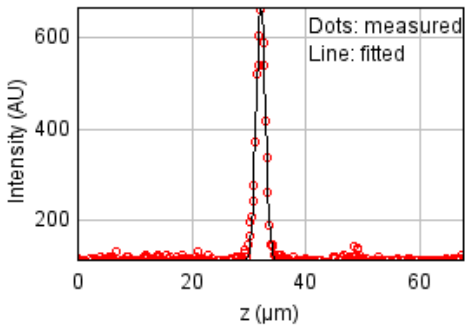




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.937

Parameters:
A = 562.546 (brightness)
B = 129.017 (background)
a = 1.060 px
b = -0.046 px
c = 0.593 px
xc = 7.220 px
yc = 7.273 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31037.1661
Standard deviation: 10.05476
R^2: 0.98380
Parameters:
a = 113.92528
b = 667.77311
c = 32.17119
d = 0.79583

Bead 1655

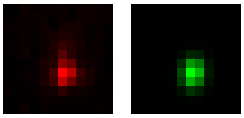
Date : Mon Oct 17 13:52:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

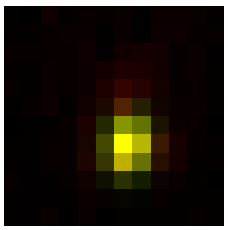
Coordinates : 53.3 um (x), -46.3 um (y), 32.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	409 nm	426 nm	270 nm
max	545 nm	568 nm	270 nm
z	1.98 um	1.98 um	1.3 um
Asymmetry	0.751		
Theta	83.2°		

XY profile & fitting parameters :

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

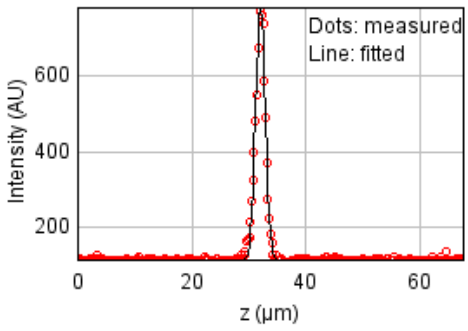




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.934

Parameters:
A = 673.039 (brightness)
B = 125.359 (background)
a = 0.797 px
b = 0.041 px
c = 0.457 px
xc = 6.283 px
yc = 7.058 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 25087.3106
Standard deviation: 9.03978
R^2: 0.99132
Parameters:
a = 113.84939
b = 779.65222
c = 32.11312
d = 0.83936

Bead 1656

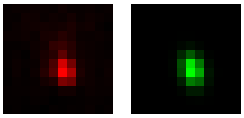
Date : Mon Oct 17 13:52:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

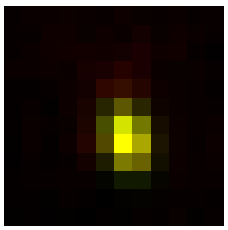
Coordinates : 146 um (x), -47.6 um (y), 32.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	391 nm	408 nm	270 nm
max	578 nm	602 nm	270 nm
z	2.12 um	2.13 um	1.3 um
Asymmetry	0.678		
Theta	-76.6°		

XY profile & fitting parameters :

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

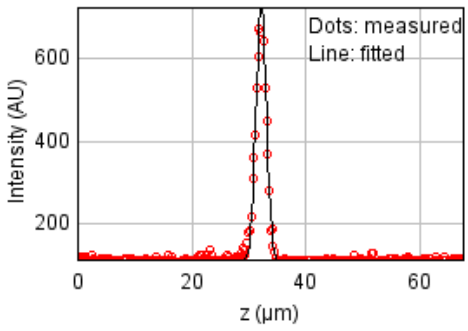




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.953

Parameters:
A = 674.585 (brightness)
B = 121.478 (background)
a = 0.850 px
b = -0.107 px
c = 0.427 px
xc = 6.209 px
yc = 6.685 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27727.3585
Standard deviation: 9.50353
R^2: 0.98954
Parameters:
a = 112.15621
b = 727.51532
c = 32.24421
d = 0.90210

Bead 1657

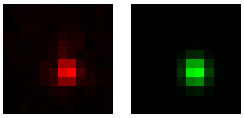
Date : Mon Oct 17 13:52:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

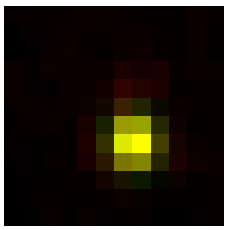
Coordinates : 4.52 um (x), -54.9 um (y), 32.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	437 nm	270 nm
max	494 nm	514 nm	270 nm
z	1.89 um	1.89 um	1.3 um
Asymmetry	0.85		
Theta	-85.2°		

XY profile & fitting parameters :

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

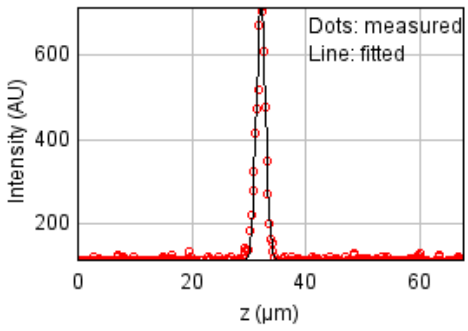




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

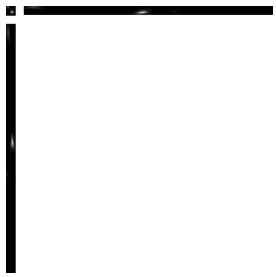
Parameters:
A = 672.491 (brightness)
B = 122.353 (background)
a = 0.760 px
b = -0.018 px
c = 0.552 px
xc = 6.556 px
yc = 6.894 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 34273.2528
Standard deviation: 10.56595
R^2: 0.98490
Parameters:
a = 114.08177
b = 715.20719
c = 32.20722
d = 0.80125

Bead 1658



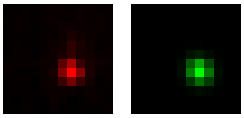
Date : Mon Oct 17 13:52:36 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

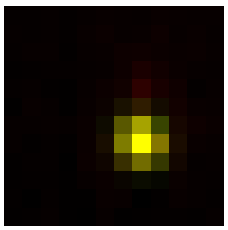
Coordinates : -152 um (x), -63.0 um (y), 32.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	418 nm	435 nm	270 nm
max	462 nm	481 nm	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.905		
Theta	-65.8°		

XY profile & fitting parameters :

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

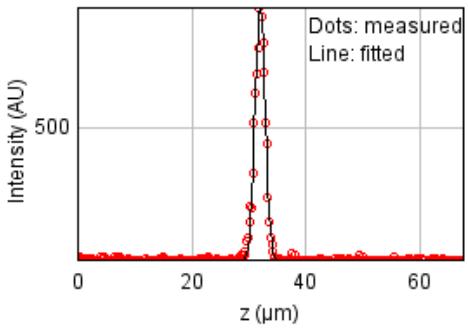




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.968

Parameters:
A = 774.546 (brightness)
B = 120.878 (background)
a = 0.745 px
b = -0.052 px
c = 0.652 px
xc = 6.973 px
yc = 6.841 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29159.6455
Standard deviation: 9.74590
R^2: 0.99234
Parameters:
a = 111.29321
b = 855.86252
c = 32.05913
d = 0.88651

Bead 1659

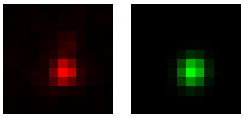
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

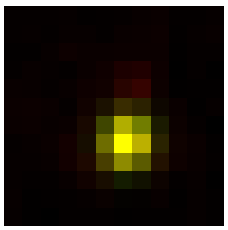
Coordinates : -50.8 um (x), -83.5 um (y), 32.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	466 nm	485 nm	270 nm
max	522 nm	543 nm	270 nm
z	2.2 um	2.21 um	1.3 um
Asymmetry	0.892		
Theta	79.1°		

XY profile & fitting parameters :

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

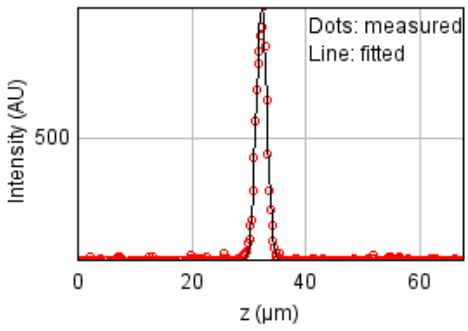




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 742.920 (brightness)
B = 125.628 (background)
a = 0.615 px
b = 0.023 px
c = 0.498 px
xc = 6.200 px
yc = 6.877 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 53971.5035
Standard deviation: 13.25907
R^2: 0.98826
Parameters:
a = 113.25857
b = 910.02103
c = 32.31793
d = 0.93393

Bead 1660 (Rejected)

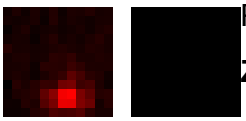
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -114 um (x), -94.9 um (y), 29.2 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.53 um	3.54 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

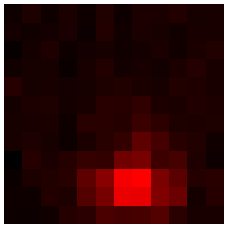
XY profile & fitting parameters :

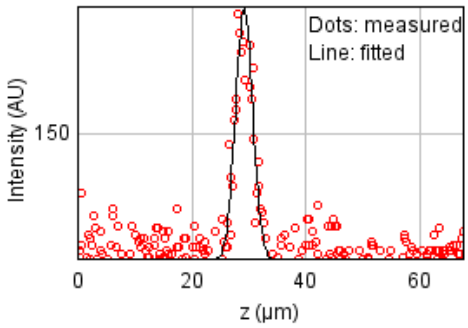
(red : the orignal data, green : the fit, yellow : the two merged)



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

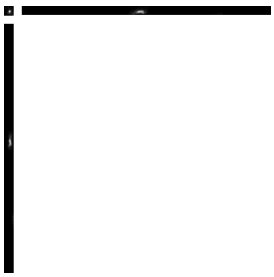
Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 13934.7414
Standard deviation: 6.73721
R^2: 0.83084
Parameters:
a = 111.19369
b = 189.66269
c = 29.24938
d = 1.49693

Bead 1661



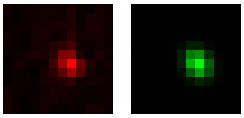
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

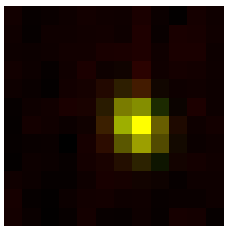
Coordinates : -74.4 um (x), 87.0 um (y), 32.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	423 nm	441 nm	270 nm
max	537 nm	559 nm	270 nm
z	1.55 um	1.56 um	1.3 um
Asymmetry	0.788		
Theta	-61.9°		

XY profile & fitting parameters :

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

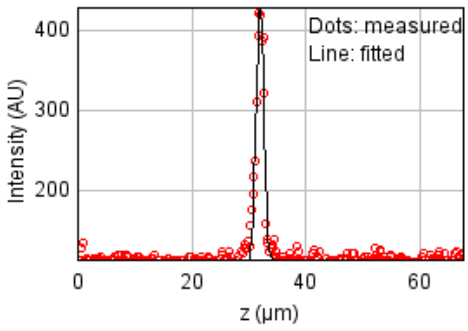




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.939

Parameters:
A = 292.400 (brightness)
B = 120.953 (background)
a = 0.687 px
b = -0.118 px
c = 0.528 px
xc = 6.774 px
yc = 6.004 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 29566.0156
Standard deviation: 9.81357
R^2: 0.94601
Parameters:
a = 113.14747
b = 431.22762
c = 32.03641
d = 0.65825

Bead 1662

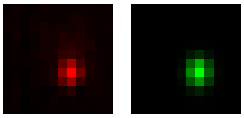
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

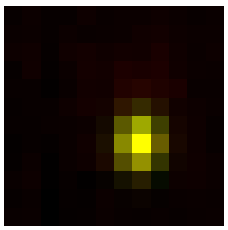
Coordinates : -24.7 um (x), 32.7 um (y), 32.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	522 nm	544 nm	270 nm
z	2.1 um	2.11 um	1.3 um
Asymmetry	0.776		
Theta	88.7°		

XY profile & fitting parameters :

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

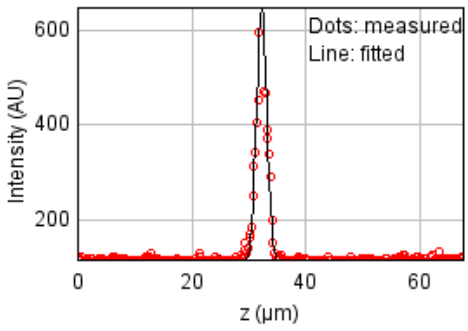




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.959

Parameters:
A = 588.584 (brightness)
B = 122.264 (background)
a = 0.817 px
b = 0.007 px
c = 0.493 px
xc = 6.883 px
yc = 6.922 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 56012.2626
Standard deviation: 13.50742
R^2: 0.97201
Parameters:
a = 114.06415
b = 647.43407
c = 32.33092
d = 0.89027

Bead 1663

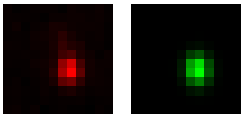
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

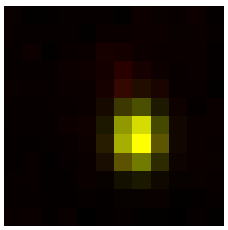
Coordinates : 52.5 um (x), 5.24 um (y), 32.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	427 nm	445 nm	270 nm
max	552 nm	575 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.773		
Theta	-88.1°		

XY profile & fitting parameters :

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

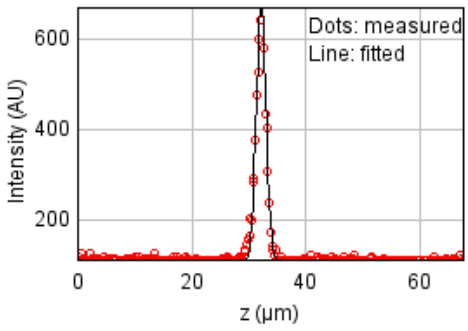




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 598.073 (brightness)
B = 123.034 (background)
a = 0.736 px
b = -0.010 px
c = 0.441 px
xc = 6.756 px
yc = 6.664 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31103.4932
Standard deviation: 10.06550
R^2: 0.98491
Parameters:
a = 113.35566
b = 671.89723
c = 32.24275
d = 0.84531

Bead 1664

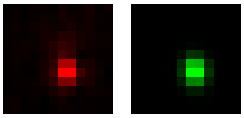
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

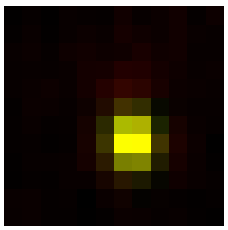
Coordinates : 16.4 um (x), -6.01 um (y), 32.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	431 nm	270 nm
max	516 nm	538 nm	270 nm
z	2.05 um	2.06 um	1.3 um
Asymmetry	0.801		
Theta	-86.0°		

XY profile & fitting parameters :

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

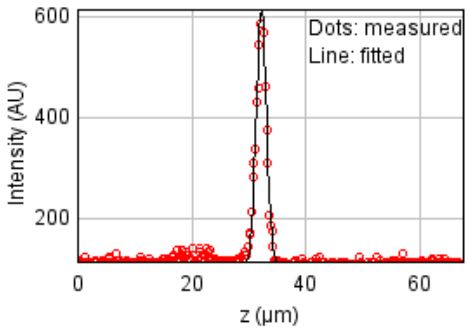




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 610.669 (brightness)
B = 124.869 (background)
a = 0.784 px
b = -0.020 px
c = 0.505 px
xc = 6.490 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: 37228.1473
Standard deviation: 11.01201
R^2: 0.97814
Parameters:
a = 115.81986
b = 614.54653
c = 32.27630
d = 0.87085

Bead 1665

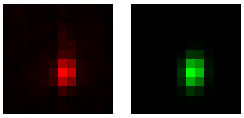
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

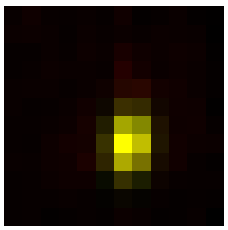
Coordinates : -64.6 um (x), -28.3 um (y), 32.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	372 nm	387 nm	270 nm
max	566 nm	590 nm	270 nm
z	2.25 um	2.25 um	1.3 um
Asymmetry	0.656		
Theta	84.7°		

XY profile & fitting parameters :

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

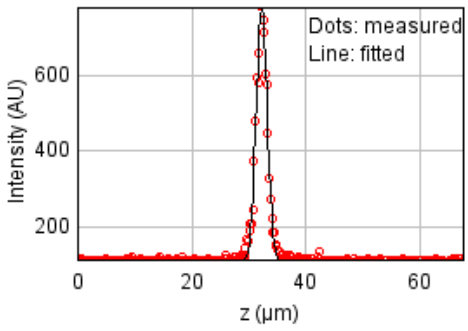




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.972

Parameters:
A = 782.193 (brightness)
B = 123.392 (background)
a = 0.967 px
b = 0.051 px
c = 0.423 px
xc = 6.348 px
yc = 6.967 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37470.1523
Standard deviation: 11.04774
R^2: 0.98843
Parameters:
a = 113.91649
b = 776.22036
c = 32.33237
d = 0.95370

Bead 1666 (Rejected)

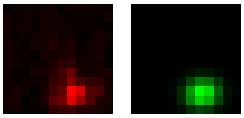
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

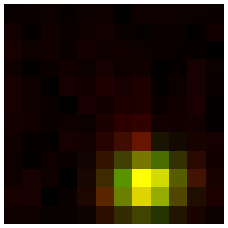
Coordinates : 150 um (x), -62.7 um (y), 29.7 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	530 nm	552 nm	270 nm
max	624 nm	650 nm	270 nm
z	2.41 um	2.42 um	1.3 um
Asymmetry	0.85		
Theta	11.1°		

XY profile & fitting parameters :

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



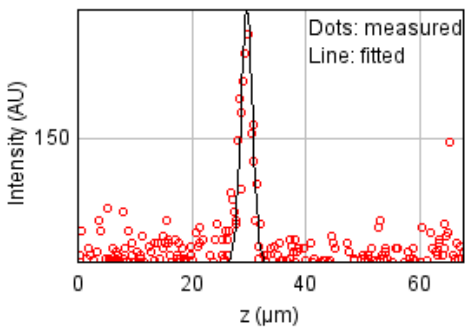


Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.884

Parameters:
A = 213.335 (brightness)
B = 114.883 (background)
a = 0.350 px
b = 0.025 px
c = 0.472 px

xc = 7.262 px
yc = 9.288 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15003.0718
Standard deviation: 6.99070
R^2: 0.77334
Parameters:
a = 110.42791
b = 191.43170
c = 29.70301
d = 1.02304

Bead 1667

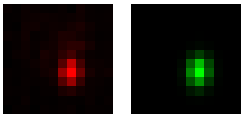
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

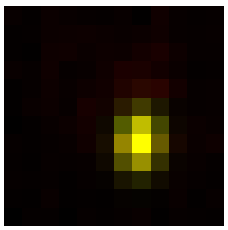
Coordinates : 122 um (x), -68.7 um (y), 32.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	396 nm	413 nm	270 nm
max	555 nm	578 nm	270 nm
z	1.99 um	2.0 um	1.3 um
Asymmetry	0.714		
Theta	86.0°		

XY profile & fitting parameters :

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

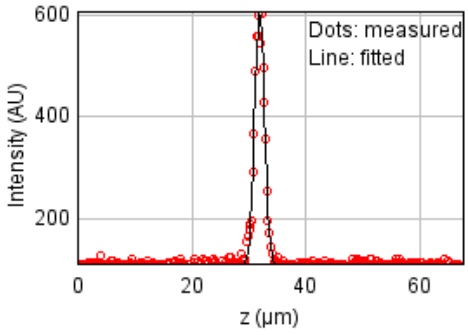




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 492.316 (brightness)
B = 119.877 (background)
a = 0.852 px
b = 0.029 px
c = 0.438 px
xc = 6.889 px
yc = 6.853 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24718.0464
Standard deviation: 8.97300
R^2: 0.98480
Parameters:
a = 111.46265
b = 607.20993
c = 31.95917
d = 0.84617

Bead 1668

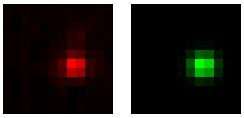
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

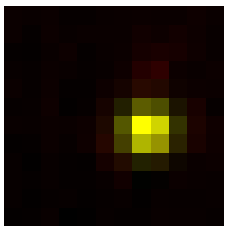
Coordinates : -109 um (x), -84.4 um (y), 32.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	443 nm	461 nm	270 nm
max	462 nm	481 nm	270 nm
z	2.21 um	2.22 um	1.3 um
Asymmetry	0.959		
Theta	10.7°		

XY profile & fitting parameters :

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

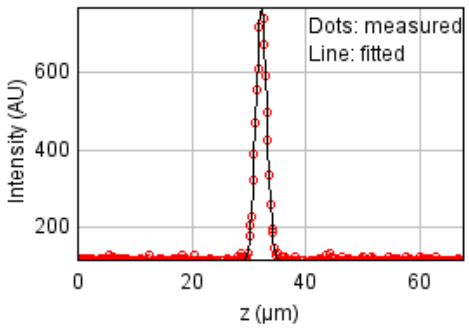




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 727.489 (brightness)
B = 125.017 (background)
a = 0.631 px
b = 0.010 px
c = 0.682 px
xc = 7.347 px
yc = 6.240 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 16351.8528
Standard deviation: 7.29818
R^2: 0.99479
Parameters:
a = 112.29544
b = 771.32401
c = 32.27356
d = 0.93916

Bead 1669

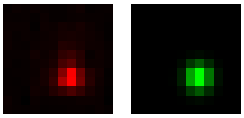
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

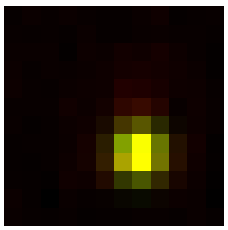
Coordinates : 94.4 um (x), -90.9 um (y), 32.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	465 nm	484 nm	270 nm
max	498 nm	518 nm	270 nm
z	1.89 um	1.9 um	1.3 um
Asymmetry	0.935		
Theta	85.7°		

XY profile & fitting parameters :

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

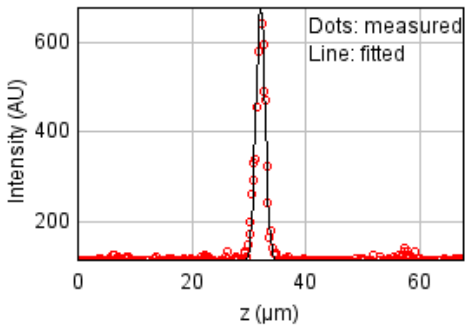




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.955

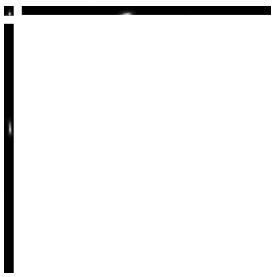
Parameters:
A = 666.918 (brightness)
B = 122.915 (background)
a = 0.620 px
b = 0.006 px
c = 0.543 px
xc = 6.868 px
yc = 7.499 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 40902.2707
Standard deviation: 11.54262
R^2: 0.97950
Parameters:
a = 114.62828
b = 676.31995
c = 32.12963
d = 0.80276

Bead 1670 (Rejected)



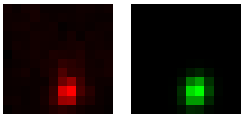
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

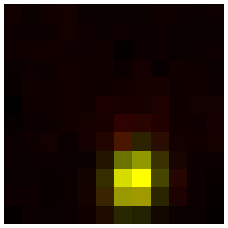
Coordinates : -3.17 um (x), 85.2 um (y), 28.8 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	424 nm	442 nm	270 nm
max	527 nm	549 nm	270 nm
z	3.59 um	3.61 um	1.3 um
Asymmetry	0.805		
Theta	73.2°		

XY profile & fitting parameters :

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

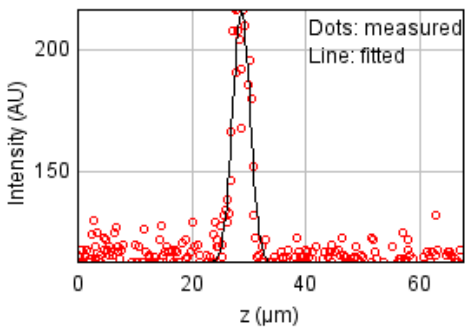




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.958

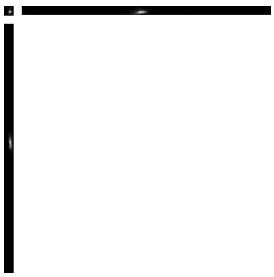
Parameters:
A = 571.815 (brightness)
B = 126.988 (background)
a = 0.723 px
b = 0.073 px
c = 0.505 px
xc = 6.599 px
yc = 9.055 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21739.0341
Standard deviation: 8.41494
R^2: 0.84501
Parameters:
a = 113.58415
b = 215.97065
c = 28.77482
d = 1.52506

Bead 1671



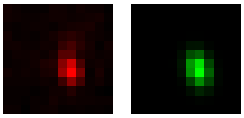
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

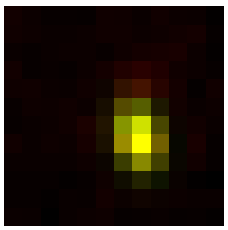
Coordinates : -151 um (x), 37.8 um (y), 32.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	407 nm	424 nm	270 nm
max	615 nm	641 nm	270 nm
z	2.23 um	2.24 um	1.3 um
Asymmetry	0.662		
Theta	-77.5°		

XY profile & fitting parameters :

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

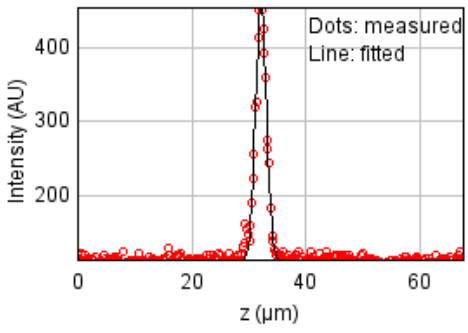




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.950

Parameters:
A = 364.462 (brightness)
B = 116.792 (background)
a = 0.788 px
b = -0.096 px
c = 0.376 px
xc = 6.838 px
yc = 6.624 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 21611.0476
Standard deviation: 8.39013
R^2: 0.97546
Parameters:
a = 111.78623
b = 455.64529
c = 32.21173
d = 0.94895

Bead 1672

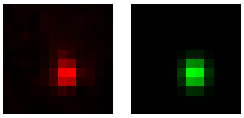
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

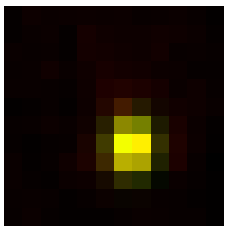
Coordinates : 30.0 um (x), 24.1 um (y), 32.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	419 nm	437 nm	270 nm
max	517 nm	539 nm	270 nm
z	2.06 um	2.07 um	1.3 um
Asymmetry	0.81		
Theta	89.6°		

XY profile & fitting parameters :

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

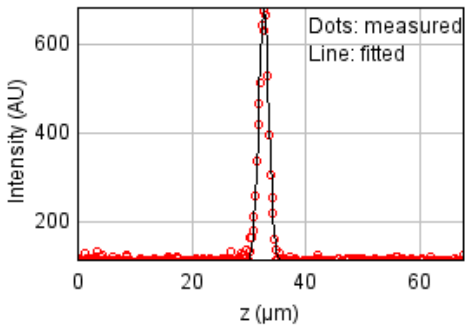




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 626.150 (brightness)
B = 126.575 (background)
a = 0.764 px
b = 0.002 px
c = 0.501 px
xc = 6.456 px
yc = 7.123 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 33372.1023
Standard deviation: 10.42612
R^2: 0.98486
Parameters:
a = 114.30691
b = 682.47150
c = 32.70764
d = 0.87456

Bead 1673

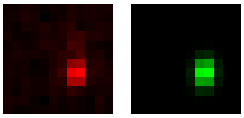
Date : Mon Oct 17 13:52:37 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

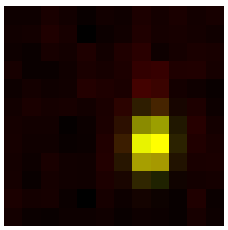
Coordinates : -147 um (x), -1.44 um (y), 32.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	360 nm	375 nm	270 nm
max	523 nm	545 nm	270 nm
z	2.21 um	2.21 um	1.3 um
Asymmetry	0.688		
Theta	85.4°		

XY profile & fitting parameters :

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

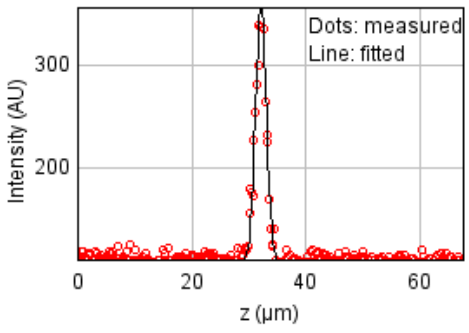




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.924

Parameters:
A = 305.625 (brightness)
B = 114.718 (background)
a = 1.033 px
b = 0.044 px
c = 0.494 px
xc = 7.523 px
yc = 7.024 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15819.7054
Standard deviation: 7.17844
R^2: 0.96485
Parameters:
a = 111.16855
b = 357.19565
c = 32.20176
d = 0.93647

Bead 1674

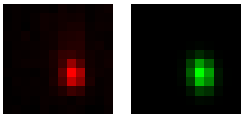
Date : Mon Oct 17 13:52:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

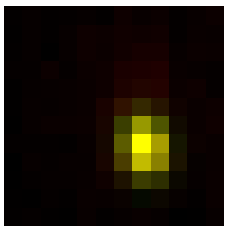
Coordinates : 79.9 um (x), -2.56 um (y), 32.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	438 nm	270 nm
max	576 nm	600 nm	270 nm
z	2.03 um	2.03 um	1.3 um
Asymmetry	0.73		
Theta	-81.4°		

XY profile & fitting parameters :

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

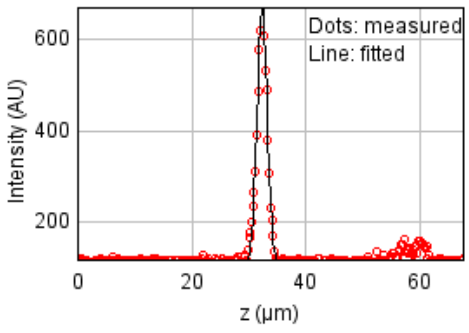




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.962

Parameters:
A = 582.396 (brightness)
B = 121.098 (background)
a = 0.752 px
b = -0.053 px
c = 0.413 px
xc = 7.187 px
yc = 7.147 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 45005.7344
Standard deviation: 12.10779
R^2: 0.97846
Parameters:
a = 116.49138
b = 672.16448
c = 32.41804
d = 0.86060

Bead 1675

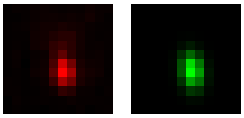
Date : Mon Oct 17 13:52:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

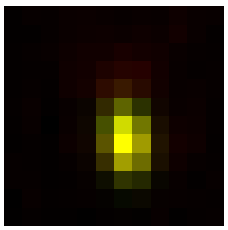
Coordinates : 50.0 um (x), -14.6 um (y), 32.4 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	406 nm	423 nm	270 nm
max	659 nm	686 nm	270 nm
z	2.11 um	2.12 um	1.3 um
Asymmetry	0.616		
Theta	-83.4°		

XY profile & fitting parameters :

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

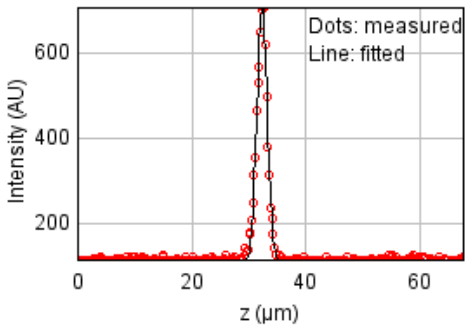




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 588.847 (brightness)
B = 123.354 (background)
a = 0.809 px
b = -0.058 px
c = 0.316 px
xc = 6.176 px
yc = 6.774 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 24676.8872
Standard deviation: 8.96553
R^2: 0.98989
Parameters:
a = 113.59577
b = 706.20350
c = 32.40402
d = 0.89566

Bead 1676 (Rejected)

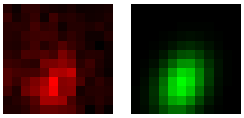
Date : Mon Oct 17 13:52:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

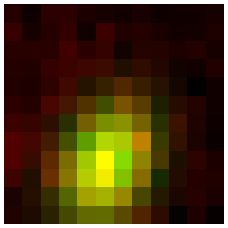
Coordinates : 127 um (x), 52.9 um (y), 30.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	814 nm	848 nm	270 nm
max	1.16 um	1.21 um	270 nm
z	1.15 um	1.15 um	1.3 um
Asymmetry	0.699		
Theta	67.3°		

XY profile & fitting parameters :

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

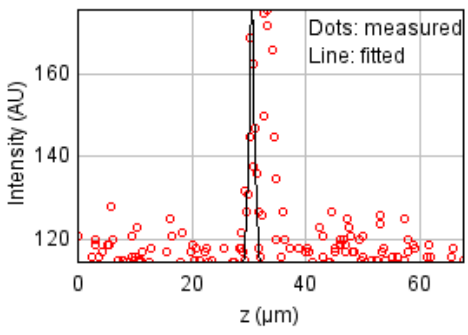




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.831

Parameters:
A = 92.779 (brightness)
B = 116.785 (background)
a = 0.187 px
b = 0.037 px
c = 0.114 px
xc = 5.087 px
yc = 8.209 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50693.0511
Standard deviation: 12.85006
R^2: 0.22105
Parameters:
a = 114.41737
b = 175.73827
c = 30.59849
d = 0.48728

Bead 1677 (Rejected)

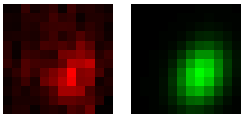
Date : Mon Oct 17 13:52:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

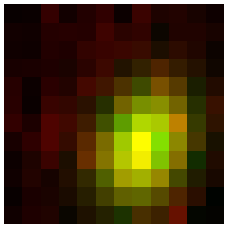
Coordinates : 127 um (x), 52.9 um (y), 30.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	815 nm	849 nm	270 nm
max	1.13 um	1.17 um	270 nm
z	1.15 um	1.15 um	1.3 um
Asymmetry	0.725		
Theta	68.4°		

XY profile & fitting parameters :

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



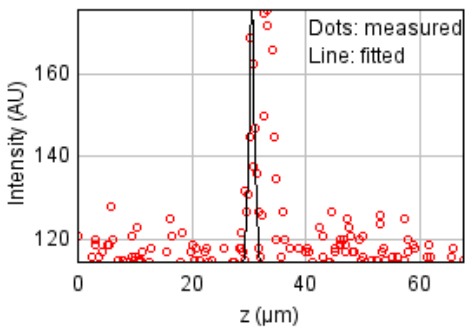


Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.812

Parameters:
A = 92.757 (brightness)
B = 117.399 (background)
a = 0.189 px
b = 0.033 px
c = 0.119 px

xc = 7.113 px
yc = 7.183 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 50693.0511
Standard deviation: 12.85006
R^2: 0.22105
Parameters:
a = 114.41737
b = 175.73827
c = 30.59849
d = 0.48728

Bead 1678

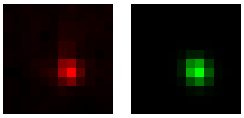
Date : Mon Oct 17 13:52:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

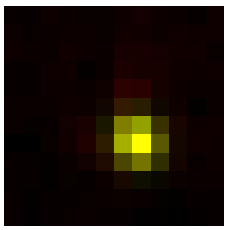
Coordinates : -137 um (x), 31.2 um (y), 32.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	420 nm	438 nm	270 nm
max	475 nm	495 nm	270 nm
z	2.09 um	2.1 um	1.3 um
Asymmetry	0.885		
Theta	-63.0°		

XY profile & fitting parameters :

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

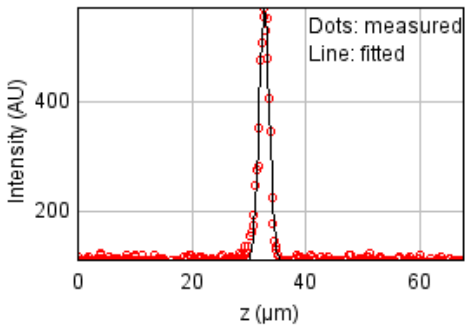




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.954

Parameters:
A = 439.037 (brightness)
B = 121.308 (background)
a = 0.725 px
b = -0.066 px
c = 0.629 px
xc = 6.744 px
yc = 6.846 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 27393.5184
Standard deviation: 9.44615
R^2: 0.98125
Parameters:
a = 111.37314
b = 569.80027
c = 32.78004
d = 0.88816

Bead 1679

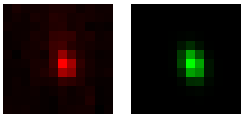
Date : Mon Oct 17 13:52:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

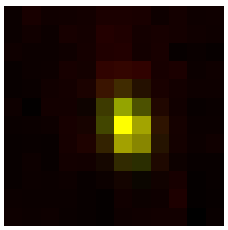
Coordinates : 119 um (x), 30.7 um (y), 32.2 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	384 nm	400 nm	270 nm
max	570 nm	594 nm	270 nm
z	1.94 um	1.95 um	1.3 um
Asymmetry	0.673		
Theta	-74.0°		

XY profile & fitting parameters :

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

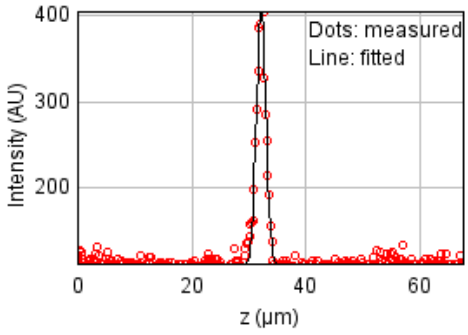




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.929

Parameters:
A = 317.235 (brightness)
B = 115.210 (background)
a = 0.874 px
b = -0.132 px
c = 0.451 px
xc = 6.255 px
yc = 6.063 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18703.2910
Standard deviation: 7.80530
R^2: 0.96706
Parameters:
a = 112.28401
b = 406.44337
c = 32.24368
d = 0.82305

Bead 1680

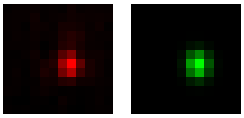
Date : Mon Oct 17 13:52:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

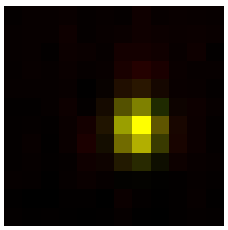
Coordinates : -69.6 um (x), -10.3 um (y), 32.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	412 nm	429 nm	270 nm
max	502 nm	522 nm	270 nm
z	2.1 um	2.1 um	1.3 um
Asymmetry	0.822		
Theta	-88.8°		

XY profile & fitting parameters :

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

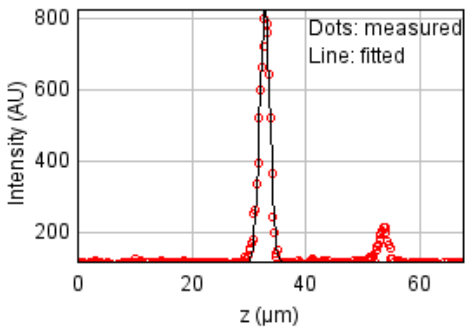




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.966

Parameters:
A = 696.659 (brightness)
B = 125.520 (background)
a = 0.790 px
b = -0.005 px
c = 0.533 px
xc = 6.801 px
yc = 6.140 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 109574.639
Standard deviation: 18.89234
R^2: 0.96929
Parameters:
a = 116.97033
b = 828.35053
c = 32.88798
d = 0.88968

Bead 1681 (Rejected)

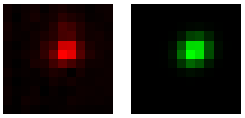
Date : Mon Oct 17 13:52:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

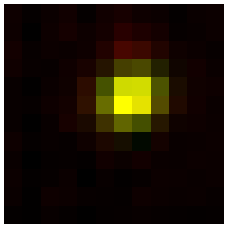
Coordinates : -13.3 um (x), -25.3 um (y), 37.6 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	480 nm	500 nm	270 nm
max	551 nm	574 nm	270 nm
z	3.57 um	3.58 um	1.3 um
Asymmetry	0.871		
Theta	33.6°		

XY profile & fitting parameters :

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

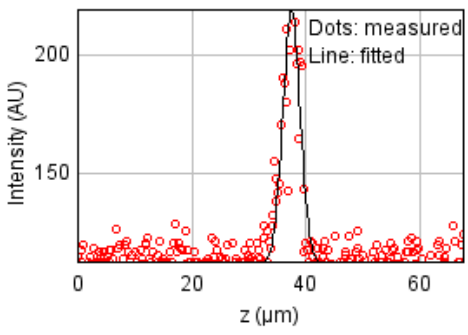




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.947

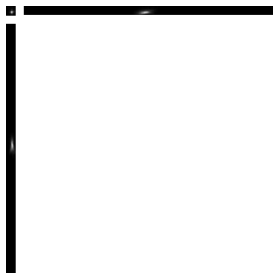
Parameters:
A = 482.159 (brightness)
B = 120.615 (background)
a = 0.485 px
b = 0.065 px
c = 0.539 px
xc = 6.428 px
yc = 4.596 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 23469.0956
Standard deviation: 8.74337
R^2: 0.84593
Parameters:
a = 112.47014
b = 219.55947
c = 37.56178
d = 1.51473

Bead 1682



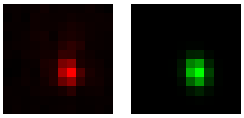
Date : Mon Oct 17 13:52:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

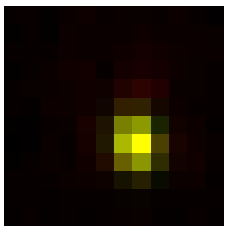
Coordinates : 9.17 um (x), -30.5 um (y), 32.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	395 nm	411 nm	270 nm
max	516 nm	537 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.765		
Theta	-79.5°		

XY profile & fitting parameters :

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

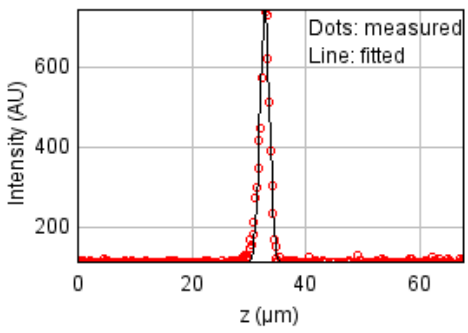




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.960

Parameters:
A = 656.279 (brightness)
B = 124.305 (background)
a = 0.849 px
b = -0.064 px
c = 0.516 px
xc = 6.690 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: 43455.5585
Standard deviation: 11.89744
R^2: 0.98347
Parameters:
a = 114.13689
b = 749.34845
c = 32.86776
d = 0.83162

Bead 1683

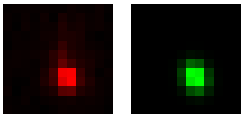
Date : Mon Oct 17 13:52:38 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

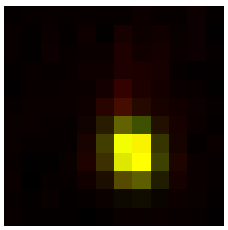
Coordinates : 77.3 um (x), -32.3 um (y), 32.6 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	421 nm	438 nm	270 nm
max	518 nm	539 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.812		
Theta	-72.6°		

XY profile & fitting parameters :

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

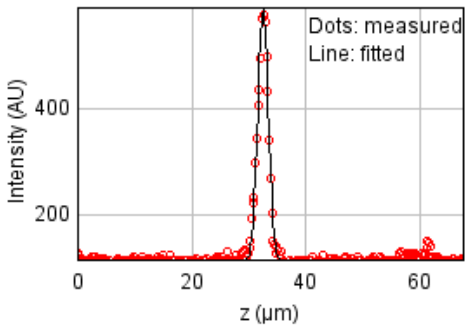




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

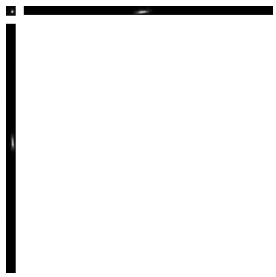
Parameters:
A = 617.610 (brightness)
B = 123.823 (background)
a = 0.736 px
b = -0.073 px
c = 0.524 px
xc = 6.517 px
yc = 7.479 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31024.5460
Standard deviation: 10.05272
R^2: 0.98111
Parameters:
a = 113.75124
b = 592.67651
c = 32.57500
d = 0.91586

Bead 1684



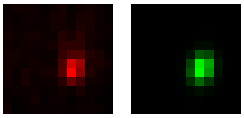
Date : Mon Oct 17 13:52:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

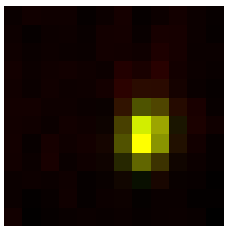
Coordinates : -160 um (x), -38.5 um (y), 31.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	394 nm	410 nm	270 nm
max	533 nm	555 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.739		
Theta	76.8°		

XY profile & fitting parameters :

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

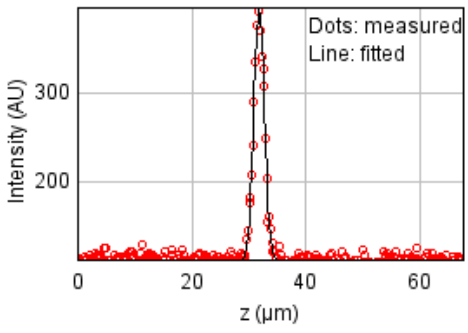




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.948

Parameters:
A = 314.673 (brightness)
B = 116.064 (background)
a = 0.845 px
b = 0.087 px
c = 0.493 px
xc = 7.226 px
yc = 6.529 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 14751.5086
Standard deviation: 6.93185
R^2: 0.97499
Parameters:
a = 110.67032
b = 396.55487
c = 31.87658
d = 0.91749

Bead 1685 (Rejected)

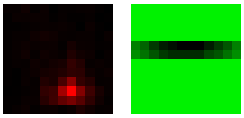
Date : Mon Oct 17 13:52:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

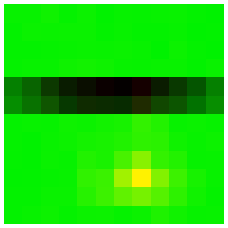
Coordinates : -103 um (x), -54.1 um (y), 29.1 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	144 nm	150 nm	270 nm
max	2.33 um	2.43 um	270 nm
z	3.58 um	3.59 um	1.3 um
Asymmetry	0.062		
Theta	0.0°		

XY profile & fitting parameters :

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

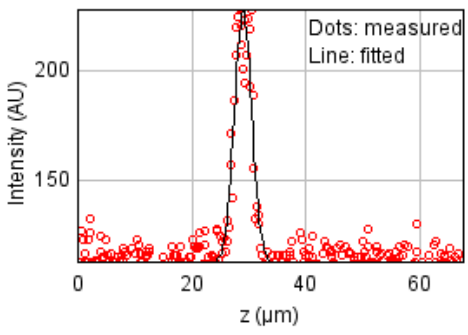




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.055

Parameters:
A = -79.251 (brightness)
B = 148.888 (background)
a = -0.025 px
b = 0.005 px
c = 6.459 px
xc = 5.492 px
yc = 4.486 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 20247.7096
Standard deviation: 8.12117
R^2: 0.88071
Parameters:
a = 112.44837
b = 227.63531
c = 29.06563
d = 1.51927

Bead 1686

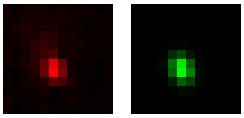
Date : Mon Oct 17 13:52:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

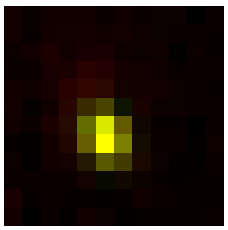
Coordinates : 150 um (x), -62.7 um (y), 28.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	385 nm	401 nm	270 nm
max	510 nm	531 nm	270 nm
z	2.12 um	2.13 um	1.3 um
Asymmetry	0.754		
Theta	-68.0°		

XY profile & fitting parameters :

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

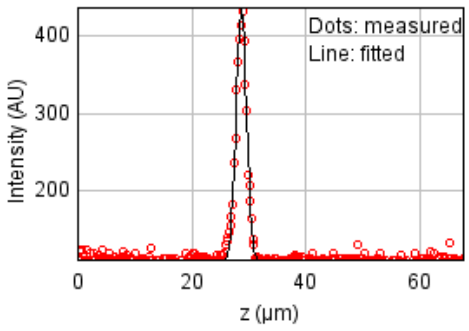




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.932

Parameters:
A = 368.739 (brightness)
B = 118.313 (background)
a = 0.852 px
b = -0.135 px
c = 0.571 px
xc = 5.028 px
yc = 6.589 px

Z profile & fitting parameters:



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

Bead 1687 (Rejected)

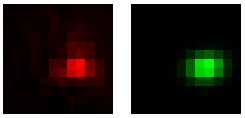
Date : Mon Oct 17 13:52:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

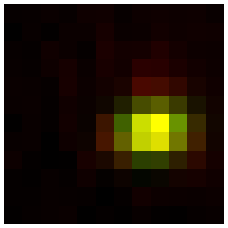
Coordinates : -53.8 um (x), -76.1 um (y), 33.5 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	485 nm	505 nm	270 nm
max	627 nm	653 nm	270 nm
z	3.1 um	3.11 um	1.3 um
Asymmetry	0.773		
Theta	8.9°		

XY profile & fitting parameters :

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

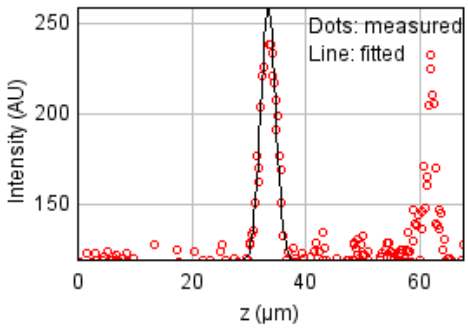




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.912

Parameters:
A = 454.596 (brightness)
B = 124.633 (background)
a = 0.347 px
b = 0.035 px
c = 0.565 px
xc = 7.659 px
yc = 6.402 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 86147.7875
Standard deviation: 16.75147
R^2: 0.68866
Parameters:
a = 119.36819
b = 258.27099
c = 33.46620
d = 1.31654

Bead 1688 (Rejected)

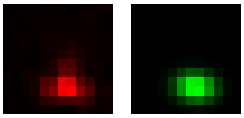
Date : Mon Oct 17 13:52:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

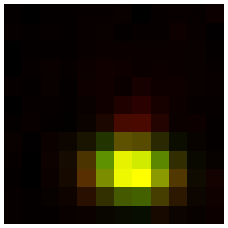
Coordinates : -28.9 um (x), -87.6 um (y), 28.4 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	503 nm	524 nm	270 nm
max	713 nm	743 nm	270 nm
z	3.43 um	3.45 um	1.3 um
Asymmetry	0.706		
Theta	-6.4°		

XY profile & fitting parameters :

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

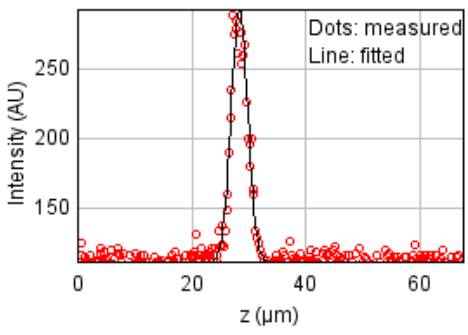




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.934

Parameters:
A = 590.903 (brightness)
B = 127.987 (background)
a = 0.267 px
b = -0.030 px
c = 0.527 px
xc = 6.505 px
yc = 8.553 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 19563.2846
Standard deviation: 7.98273
R^2: 0.94755
Parameters:
a = 111.93265
b = 292.38317
c = 28.43408
d = 1.45853

Bead 1689

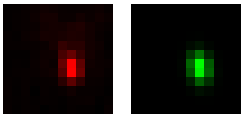
Date : Mon Oct 17 13:52:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

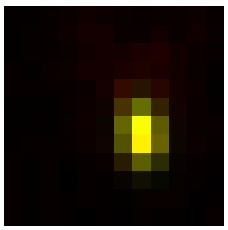
Coordinates : 48.6 um (x), 91.8 um (y), 33.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	366 nm	382 nm	270 nm
max	554 nm	577 nm	270 nm
z	1.96 um	1.97 um	1.3 um
Asymmetry	0.661		
Theta	-82.3°		

XY profile & fitting parameters :

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

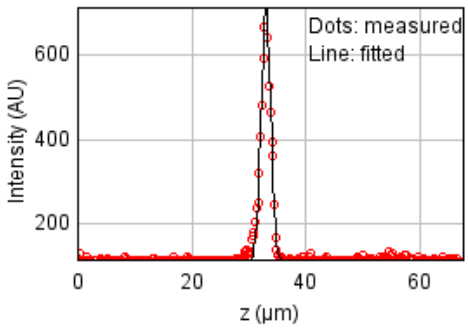




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.956

Parameters:
A = 723.297 (brightness)
B = 127.204 (background)
a = 0.990 px
b = -0.074 px
c = 0.447 px
xc = 7.003 px
yc = 6.433 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37495.1774
Standard deviation: 11.05143
R^2: 0.98398
Parameters:
a = 115.11193
b = 714.41231
c = 33.07398
d = 0.83220

Bead 1690

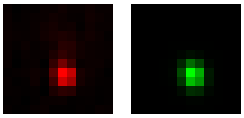
Date : Mon Oct 17 13:52:39 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

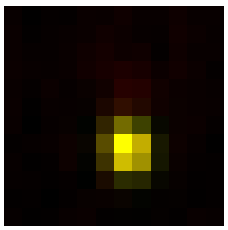
Coordinates : -140 um (x), 87.6 um (y), 33.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	405 nm	422 nm	270 nm
max	486 nm	507 nm	270 nm
z	2.13 um	2.14 um	1.3 um
Asymmetry	0.833		
Theta	-75.8°		

XY profile & fitting parameters :

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

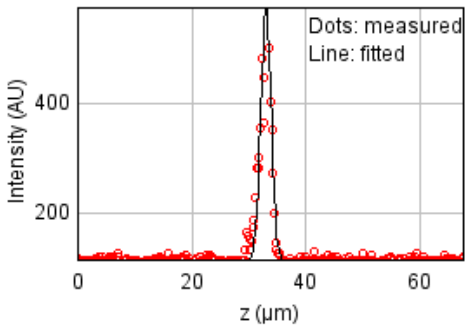




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.961

Parameters:
A = 553.184 (brightness)
B = 120.467 (background)
a = 0.803 px
b = -0.060 px
c = 0.582 px
xc = 6.279 px
yc = 7.273 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 86282.7359
Standard deviation: 16.76458
R^2: 0.94558
Parameters:
a = 112.58462
b = 577.50219
c = 33.08074
d = 0.90368

Bead 1691 (Rejected)

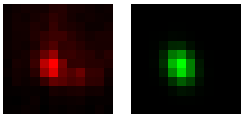
Date : Mon Oct 17 13:52:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

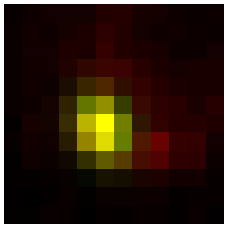
Coordinates : -131 um (x), 81.2 um (y), 35.2 um (z)
Corresponding bead : Not found
Reason of rejection : The fitted bead is likely to be a different bead from the center bead.

FWHM	Non corrected	Corrected	Theoretical
min	490 nm	510 nm	270 nm
max	633 nm	659 nm	270 nm
z	4.95 um	4.97 um	1.3 um
Asymmetry	0.773		
Theta	-68.3°		

XY profile & fitting parameters :

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

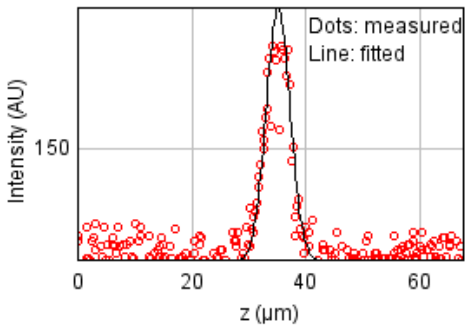




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.845

Parameters:
A = 480.225 (brightness)
B = 143.137 (background)
a = 0.529 px
b = -0.077 px
c = 0.366 px
xc = 4.869 px
yc = 6.261 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 17784.9038
Standard deviation: 7.61126
R^2: 0.86089
Parameters:
a = 112.25425
b = 197.67232
c = 35.20701
d = 2.10401

Bead 1692

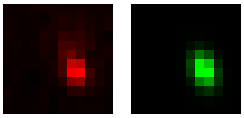
Date : Mon Oct 17 13:52:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

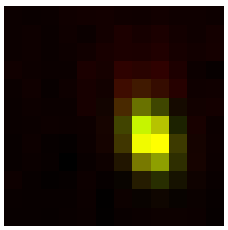
Coordinates : 66.3 um (x), 72.3 um (y), 32.7 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	411 nm	428 nm	270 nm
max	631 nm	657 nm	270 nm
z	2.33 um	2.34 um	1.3 um
Asymmetry	0.652		
Theta	-73.4°		

XY profile & fitting parameters :

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

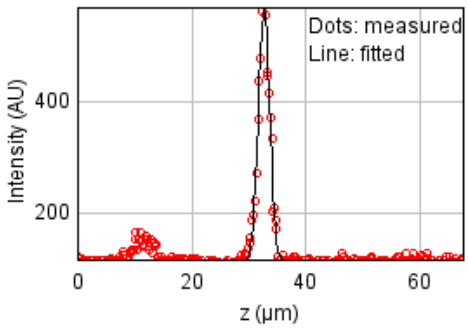




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.939

Parameters:
A = 539.279 (brightness)
B = 125.167 (background)
a = 0.756 px
b = -0.125 px
c = 0.374 px
xc = 7.461 px
yc = 6.682 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 52774.0834
Standard deviation: 13.11116
R^2: 0.96690
Parameters:
a = 116.52975
b = 568.37384
c = 32.74720
d = 0.98827

Bead 1693

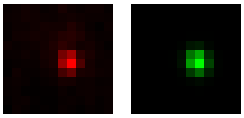
Date : Mon Oct 17 13:52:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

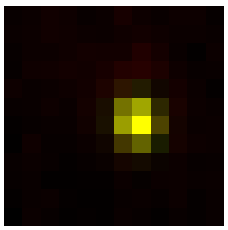
Coordinates : -45.6 um (x), 46.1 um (y), 32.5 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	380 nm	396 nm	270 nm
max	444 nm	463 nm	270 nm
z	1.89 um	1.9 um	1.3 um
Asymmetry	0.856		
Theta	-76.9°		

XY profile & fitting parameters :

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

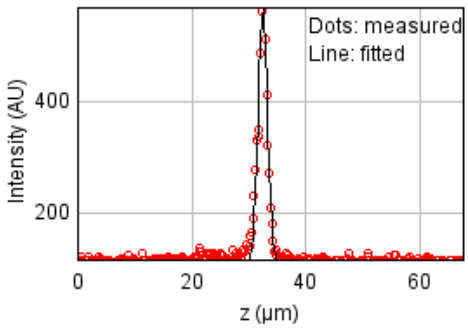




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.957

Parameters:
A = 516.340 (brightness)
B = 123.150 (background)
a = 0.915 px
b = -0.055 px
c = 0.693 px
xc = 6.750 px
yc = 5.793 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 41647.5177
Standard deviation: 11.64730
R^2: 0.96870
Parameters:
a = 115.08264
b = 571.30747
c = 32.53610
d = 0.80232

Bead 1694

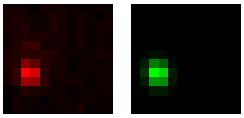
Date : Mon Oct 17 13:52:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

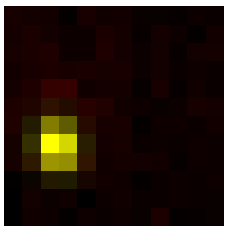
Coordinates : 132 um (x), 28.9 um (y), 15.8 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	378 nm	394 nm	270 nm
max	468 nm	487 nm	270 nm
z	2.15 um	2.16 um	1.3 um
Asymmetry	0.809		
Theta	-77.9°		

XY profile & fitting parameters :

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

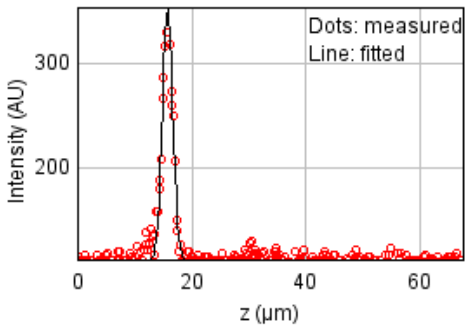




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.934

Parameters:
A = 314.499 (brightness)
B = 116.879 (background)
a = 0.924 px
b = -0.067 px
c = 0.628 px
xc = 2.412 px
yc = 7.112 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 18365.6210
Standard deviation: 7.73452
R^2: 0.95670
Parameters:
a = 112.37763
b = 353.15665
c = 15.84211
d = 0.91227

Bead 1695

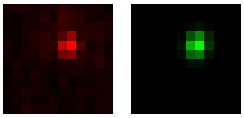
Date : Mon Oct 17 13:52:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

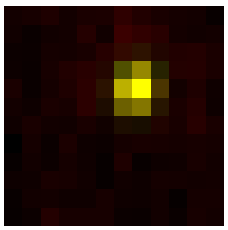
Coordinates : -134 um (x), 12.7 um (y), 21.3 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	369 nm	384 nm	270 nm
max	445 nm	463 nm	270 nm
z	2.16 um	2.17 um	1.3 um
Asymmetry	0.829		
Theta	74.2°		

XY profile & fitting parameters :

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

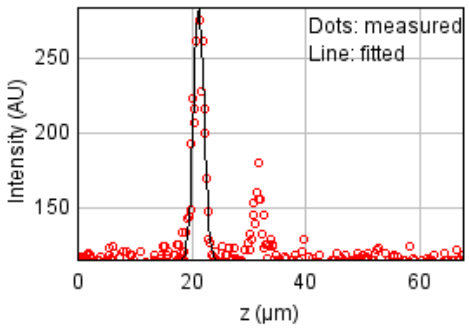




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.904

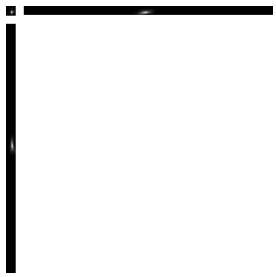
Parameters:
A = 216.113 (brightness)
B = 112.935 (background)
a = 0.963 px
b = 0.081 px
c = 0.701 px
xc = 6.693 px
yc = 3.985 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 31531.3414
Standard deviation: 10.13449
R^2: 0.86552
Parameters:
a = 114.36141
b = 284.30716
c = 21.30118
d = 0.91601

Bead 1696



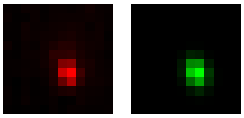
Date : Mon Oct 17 13:52:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

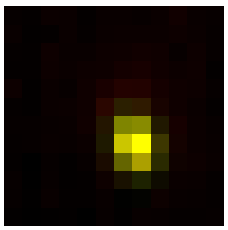
Coordinates : -739 nm (x), 9.79 um (y), 32.9 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	381 nm	397 nm	270 nm
max	514 nm	535 nm	270 nm
z	1.92 um	1.93 um	1.3 um
Asymmetry	0.741		
Theta	-74.8°		

XY profile & fitting parameters :

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

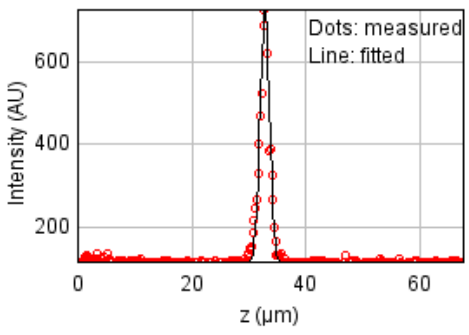




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.965

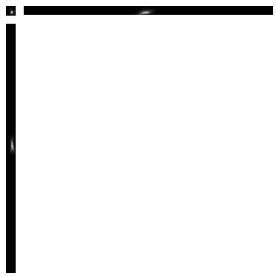
Parameters:
A = 675.381 (brightness)
B = 123.731 (background)
a = 0.896 px
b = -0.106 px
c = 0.537 px
xc = 6.641 px
yc = 6.996 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 57371.3040
Standard deviation: 13.67030
R^2: 0.97664
Parameters:
a = 114.70321
b = 732.06671
c = 32.88627
d = 0.81608

Bead 1697



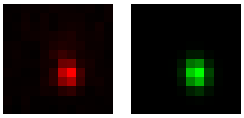
Date : Mon Oct 17 13:52:40 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

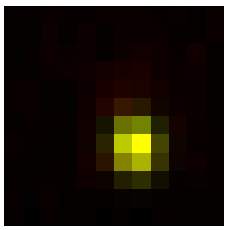
Coordinates : 71.4 um (x), 302 nm (y), 33.1 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	413 nm	430 nm	270 nm
max	515 nm	536 nm	270 nm
z	1.79 um	1.8 um	1.3 um
Asymmetry	0.802		
Theta	-81.1°		

XY profile & fitting parameters :

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

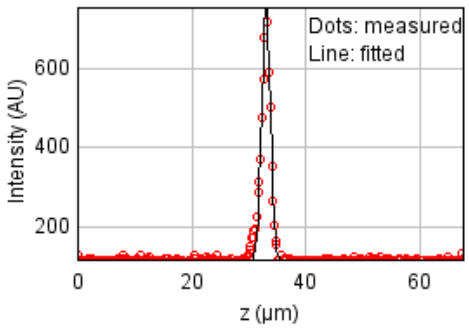




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 707.271 (brightness)
B = 124.817 (background)
a = 0.781 px
b = -0.043 px
c = 0.513 px
xc = 6.653 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: 41873.3615
Standard deviation: 11.67884
R^2: 0.98331
Parameters:
a = 114.15412
b = 761.02538
c = 33.09119
d = 0.76219

Bead 1698 (Rejected)

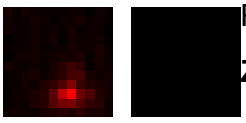
Date : Mon Oct 17 13:52:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -113 um (x), -12.2 um (y), 30.3 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	3.81 um	3.82 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

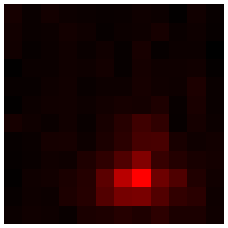
XY profile & fitting parameters :

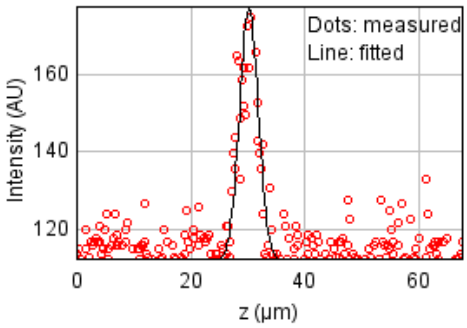
(red : the orignal data, green : the fit, yellow : the two merged)



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

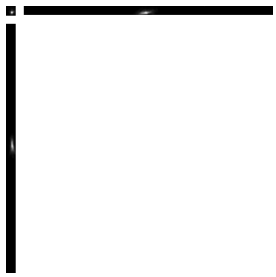
Z profile & fitting parameters:





Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 15689.1302
Standard deviation: 7.14875
R^2: 0.76458
Parameters:
a = 112.26026
b = 177.64621
c = 30.26762
d = 1.61591

Bead 1699



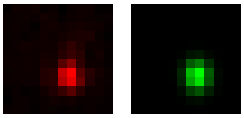
Date : Mon Oct 17 13:52:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

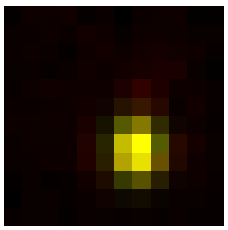
Coordinates : -56.4 um (x), -31.4 um (y), 33.0 um (z)
Corresponding bead : Not found

FWHM	Non corrected	Corrected	Theoretical
min	447 nm	465 nm	270 nm
max	551 nm	573 nm	270 nm
z	2.07 um	2.08 um	1.3 um
Asymmetry	0.812		
Theta	-88.7°		

XY profile & fitting parameters :

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

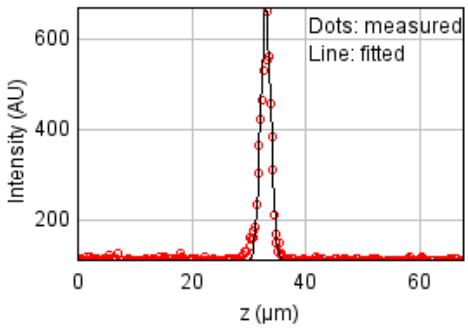




Fitted on i(x,y) = A * exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B
R^2 = 0.964

Parameters:
A = 695.050 (brightness)
B = 126.731 (background)
a = 0.672 px
b = -0.005 px
c = 0.443 px
xc = 6.734 px
yc = 7.348 px

Z profile & fitting parameters:



Fitted on y = a + (b-a)*exp(-(x-c)^2/(2*d^2)
Sum of residuals squared: 37389.2440
Standard deviation: 11.03581
R^2: 0.98231
Parameters:
a = 113.46318
b = 667.22450
c = 33.03282
d = 0.88096

Bead 1700 (Rejected)

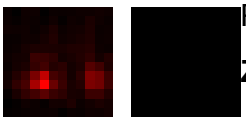
Date : Mon Oct 17 13:52:41 PDT 2022
Origin : data_traditional.tif (Nikon 40x0.95 air)
Frame size : 12 pixels

Coordinates : -92.0 um (x), -37.1 um (y), 33.5 um (z)
Corresponding bead : Not found
Reason of rejection : R or C parameter off limits.

FWHM	Non corrected	Corrected	Theoretical
min	0	0	270 nm
max	0	0	270 nm
z	3.86 um	3.87 um	1.3 um
Asymmetry	0.0		
Theta	0.0°		

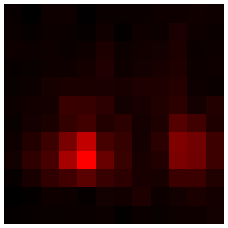
XY profile & fitting parameters :

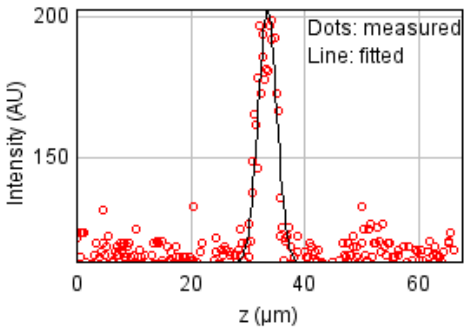
(red : the orignal data, green : the fit, yellow : the two merged)



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: 16850.7835
Standard deviation: 7.40868
R^2: 0.85122
Parameters:
a = 113.14673
b = 202.55448
c = 33.52169
d = 1.63721