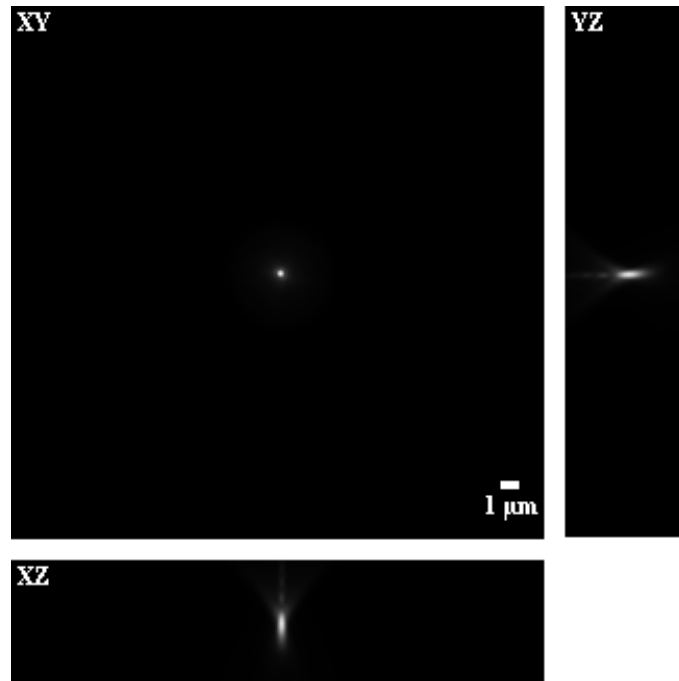


## 12 août 2010 14:21 PSF profiler report on PSF

### Profile view:



### Microscope infos:

Microscope: WideField

Wavelength: 510.0 nm

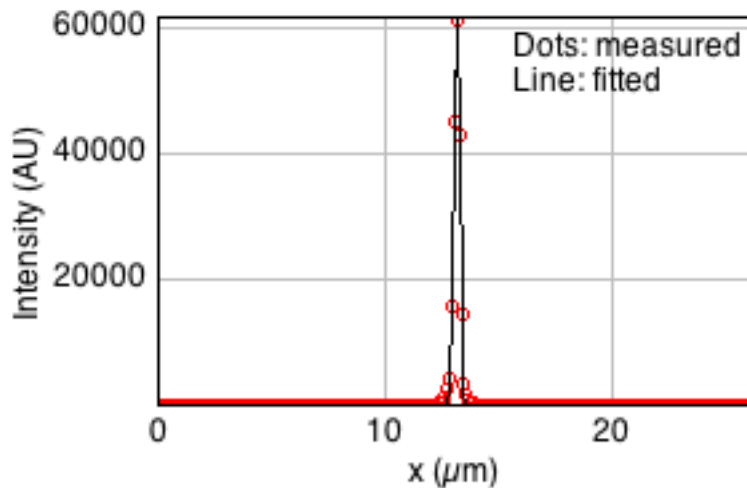
NA: 1.4

Sampling rate: 0.102x0.102x0.2  $\mu\text{m}$

### Resolution table:

	FWHM	Theoretical resolution
<b>x</b>	0.293 $\mu\text{m}$	0.222 $\mu\text{m}$
<b>y</b>	0.299 $\mu\text{m}$	0.222 $\mu\text{m}$
<b>z</b>	1.047 $\mu\text{m}$	0.52 $\mu\text{m}$

### X profile & fitting parameters:



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

Number of iterations: 491 (8000)

Number of restarts: 2 (2)

Sum of residuals squared: 19148092.8669

Standard deviation: 274.0266

R<sup>2</sup>: 0.9976

Parameters:

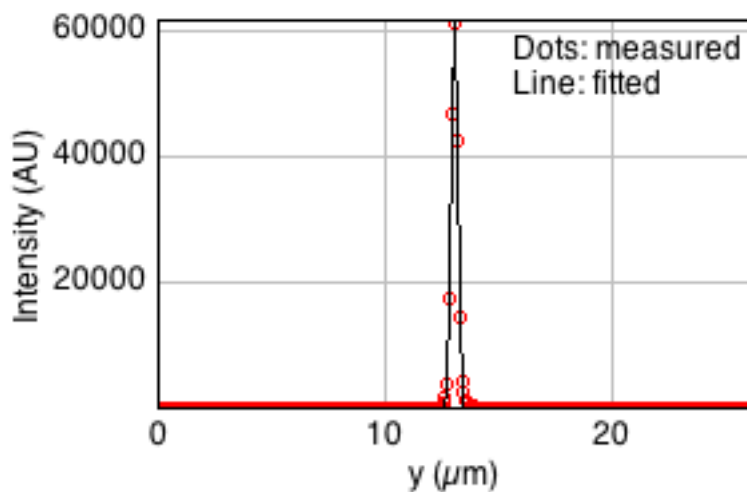
a = 101.5712

b = 61829.8944

c = 13.2059

d = 0.1246

### Y profile & fitting parameters:



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

Number of iterations: 542 (8000)

Number of restarts: 2 (2)

Sum of residuals squared: 18141301.4980

Standard deviation: 266.7252

R<sup>2</sup>: 0.9978

Parameters:

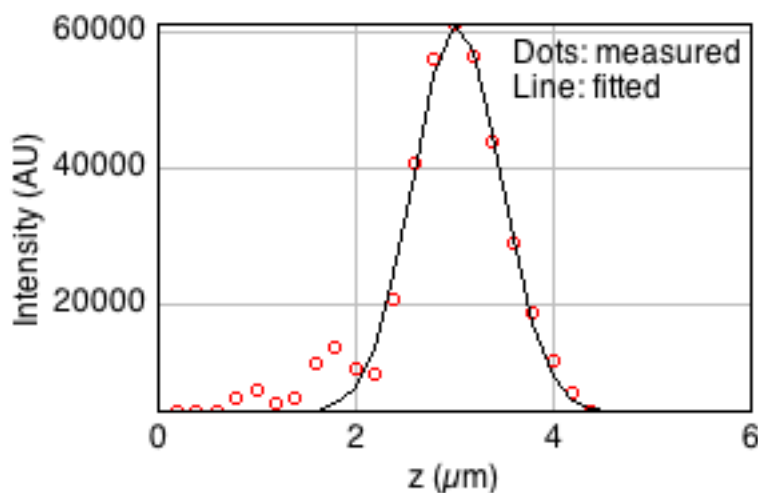
a = 97.6990

b = 61962.6559

c = 13.1004

d = 0.1270

### Z profile & fitting parameters:



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

Number of iterations: 243 (8000)

Number of restarts: 2 (2)

Sum of residuals squared: 275294350.0796

Standard deviation: 3029.2703

R<sup>2</sup>: 0.9724

Parameters:

a = 4092.1677

b = 61552.2355

c = 3.0364

d = 0.4445