

Sample

Name : GNP_11.4.16_9.10_2
Mesured On : 11.04.2016 17:00
by : Hannelore **logged as** : Expert
Comments from Hannelore :

SOP

Name : defaultSOP
Mode : Statistical **Acquisitions** : 5
Time limitation : 60 s
Temperature : 25 °C

Device Settings

Time interval	: 2 μ s	Number of channels	: 600
Laser power	: 70 %	Wavelength	: 657 nm
DTC Position	: UP		

Liquid Medium

Refractive index	: 1.331	Viscosity	: 0.888 cP
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Particles

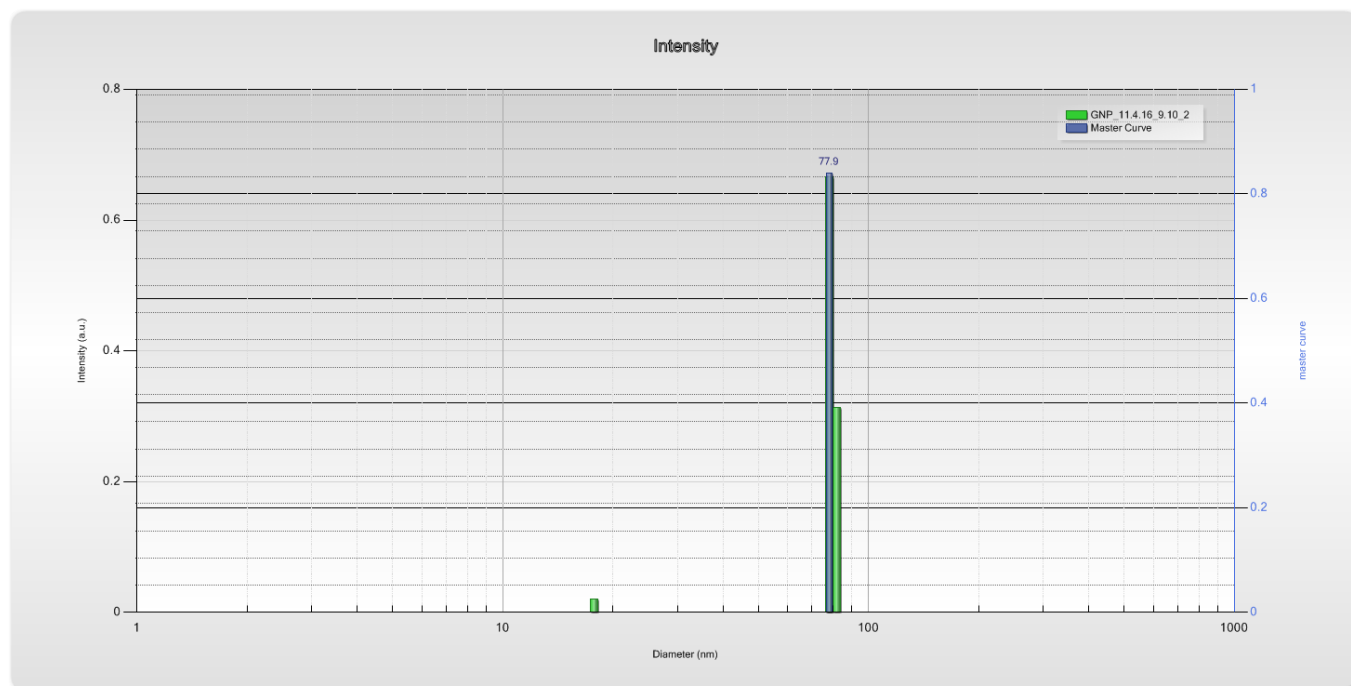
Real part	: 1.56	Imaginary part	: 0.01
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Algorithm

Pade Laplace	Cumulants
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Measurement

Average count rate : 3125 kcps **Duration** : 00:05:15
Number of rejected : 2 **Number of modified** : 0



Dispersion statistics

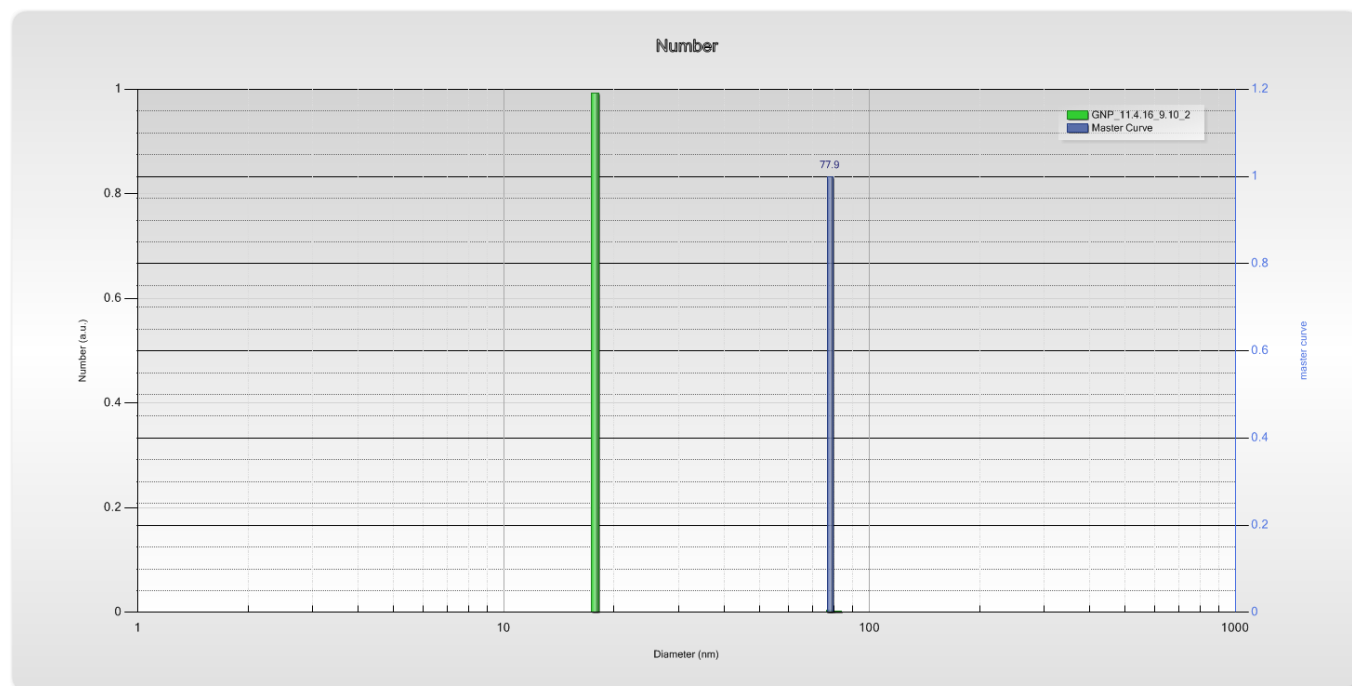
Di 10%: 77.91 nm

Di 50%: 77.91 nm

Di 90%: 81.59 nm

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity	Size (nm)	Intensity
17.74	0.02	77.91	0.67	81.59	0.31



Dispersion statistics

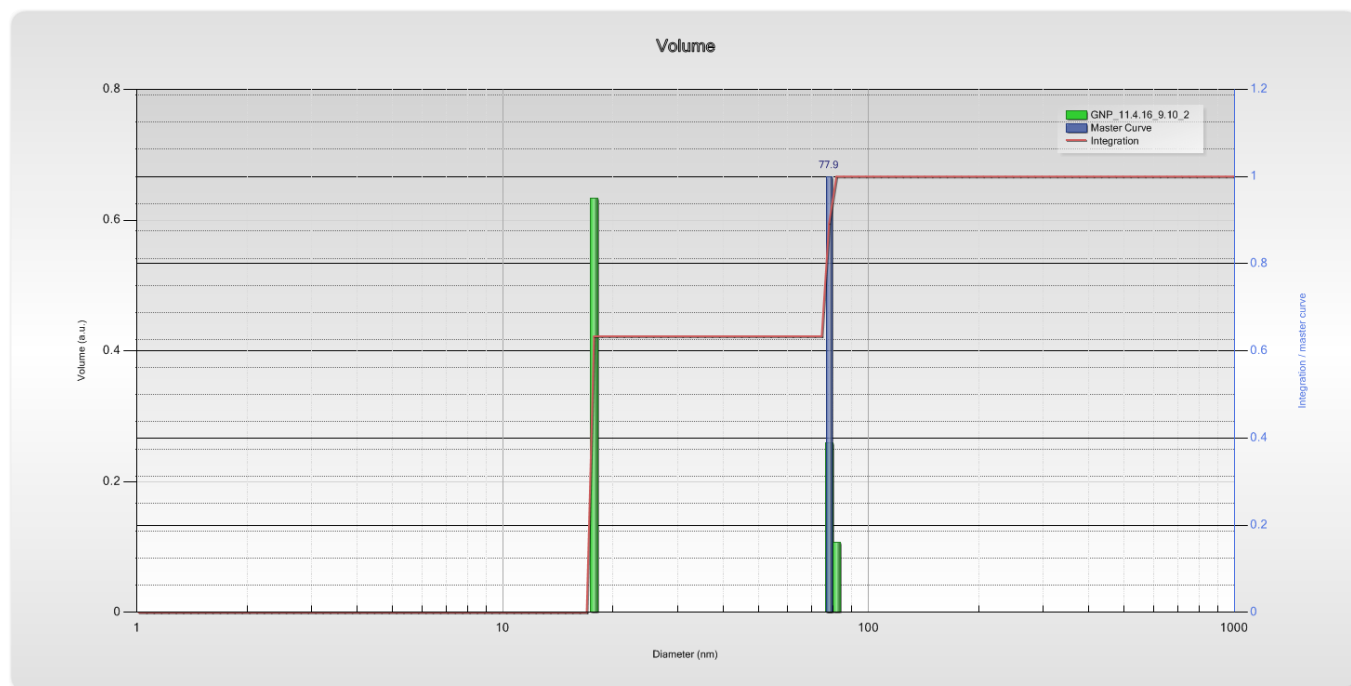
Dn 10%: 17.74 nm

Dn 50%: 17.74 nm

Dn 90%: 17.74 nm

Dispersion datas

Size (nm)	Number
17.74	0.99



Dispersion statistics

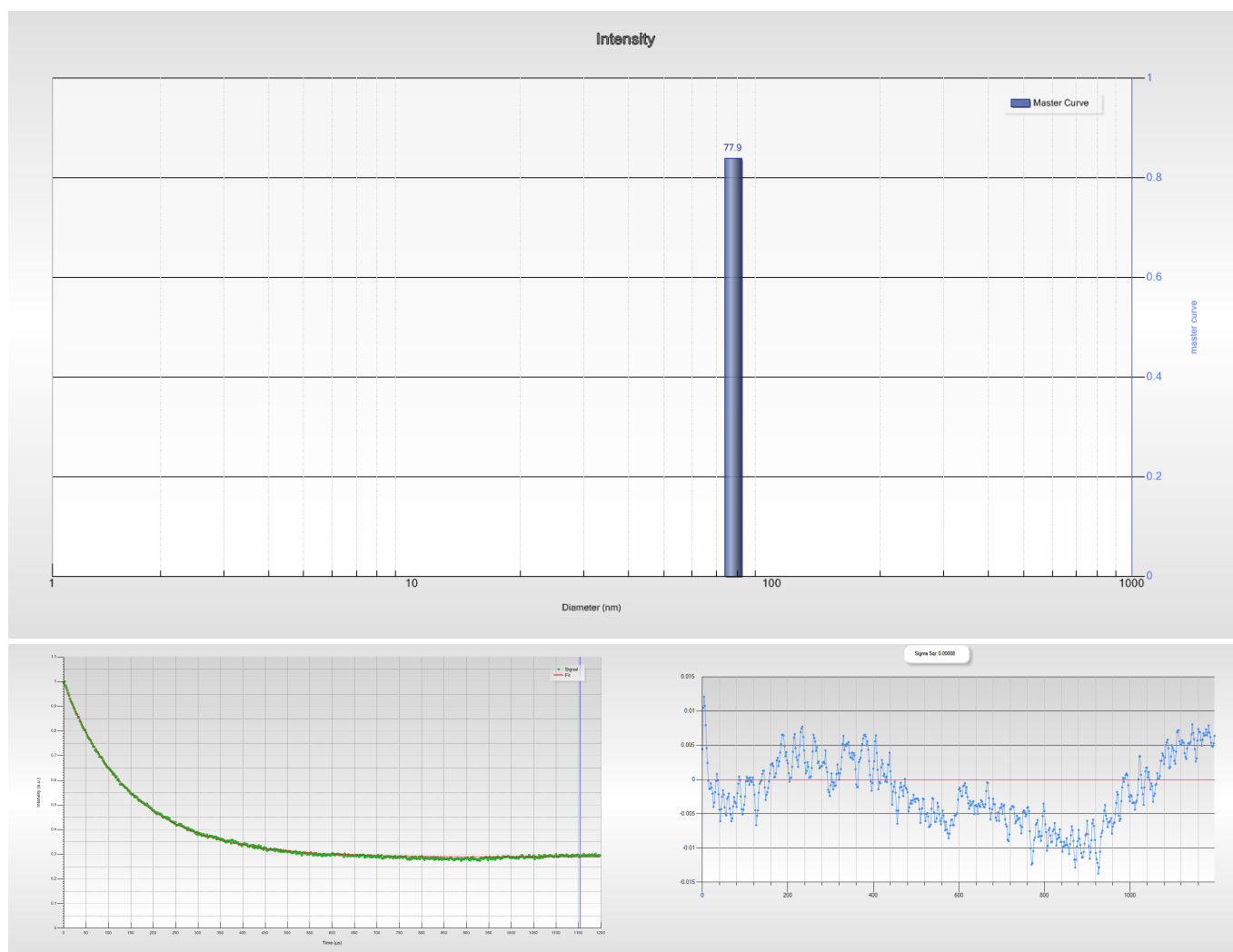
Dv 10%: 17.74 nm

Dv 50%: 17.74 nm

Dv 90%: 81.59 nm

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume	Size (nm)	Volume
17.74	0.63	77.91	0.26	81.59	0.11



Dispersion statistics

Di 10%: 77.91 nm
Mean Intensity: 77.91 nm

Di 50%: 77.91 nm

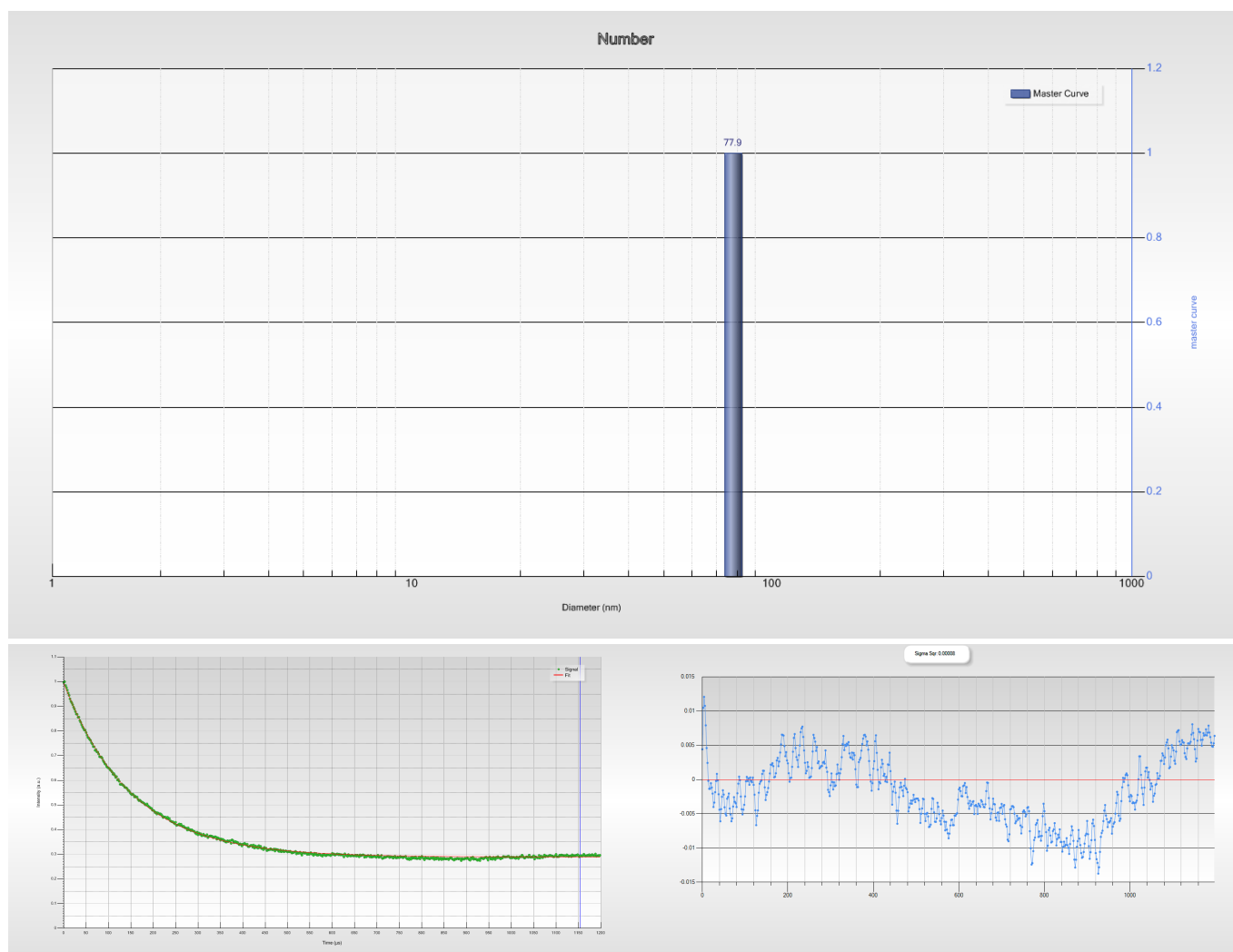
Di 90%: 77.91 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
78.27	0.84	3320.45	62.81756E-013

Dispersion datas

Size (nm)	Intensity
77.91	1



Dispersion statistics

Dn 10%: 77.91 nm
Mean Number: 77.91 nm

Dn 50%: 77.91 nm

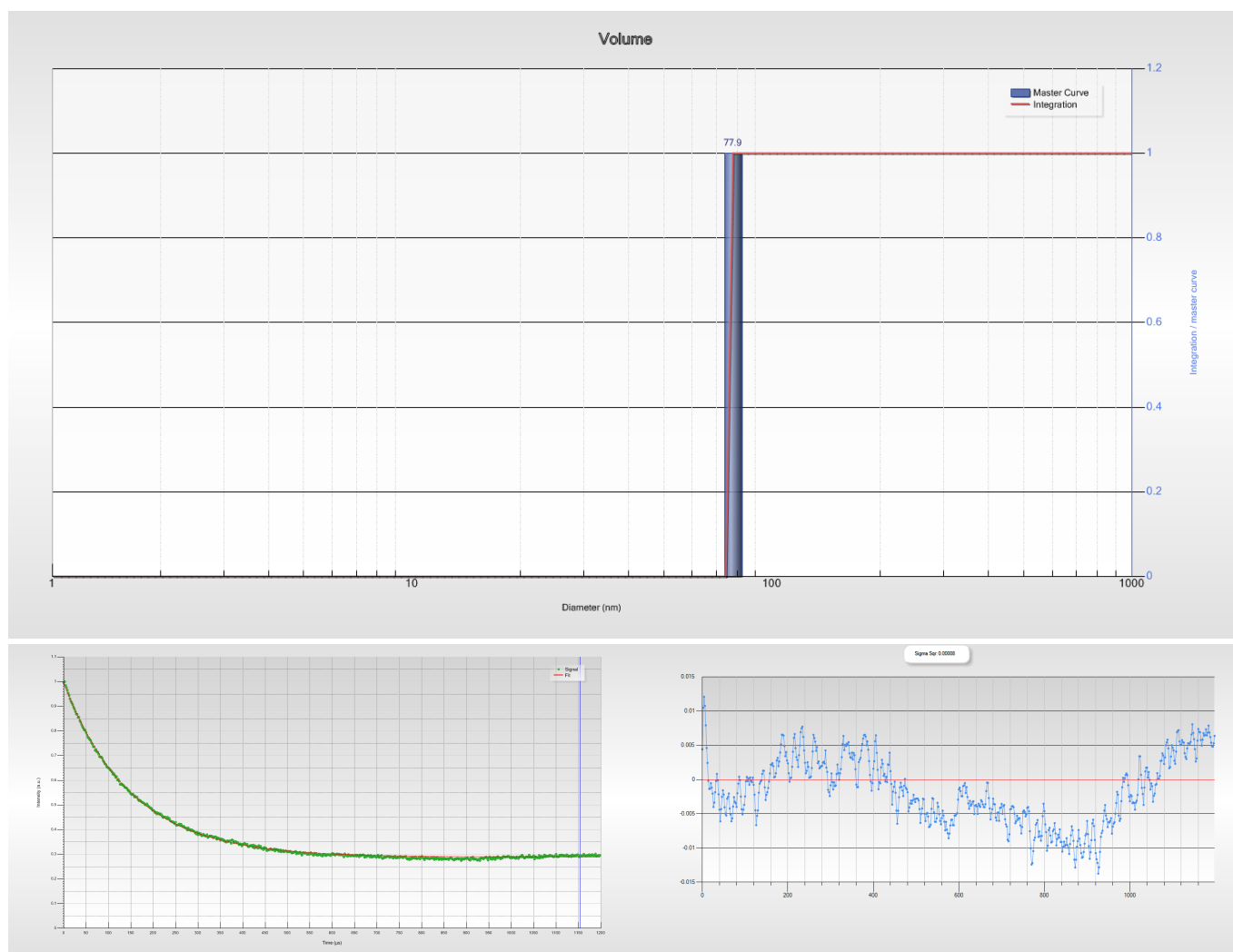
Dn 90%: 77.91 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
78.27	0.84	3320.45	62.81756E-013

Dispersion datas

Size (nm)	Number
77.91	1



Dispersion statistics

Dv 10%: 77.91 nm
Mean Volume: 77.91 nm

Dv 50%: 77.91 nm

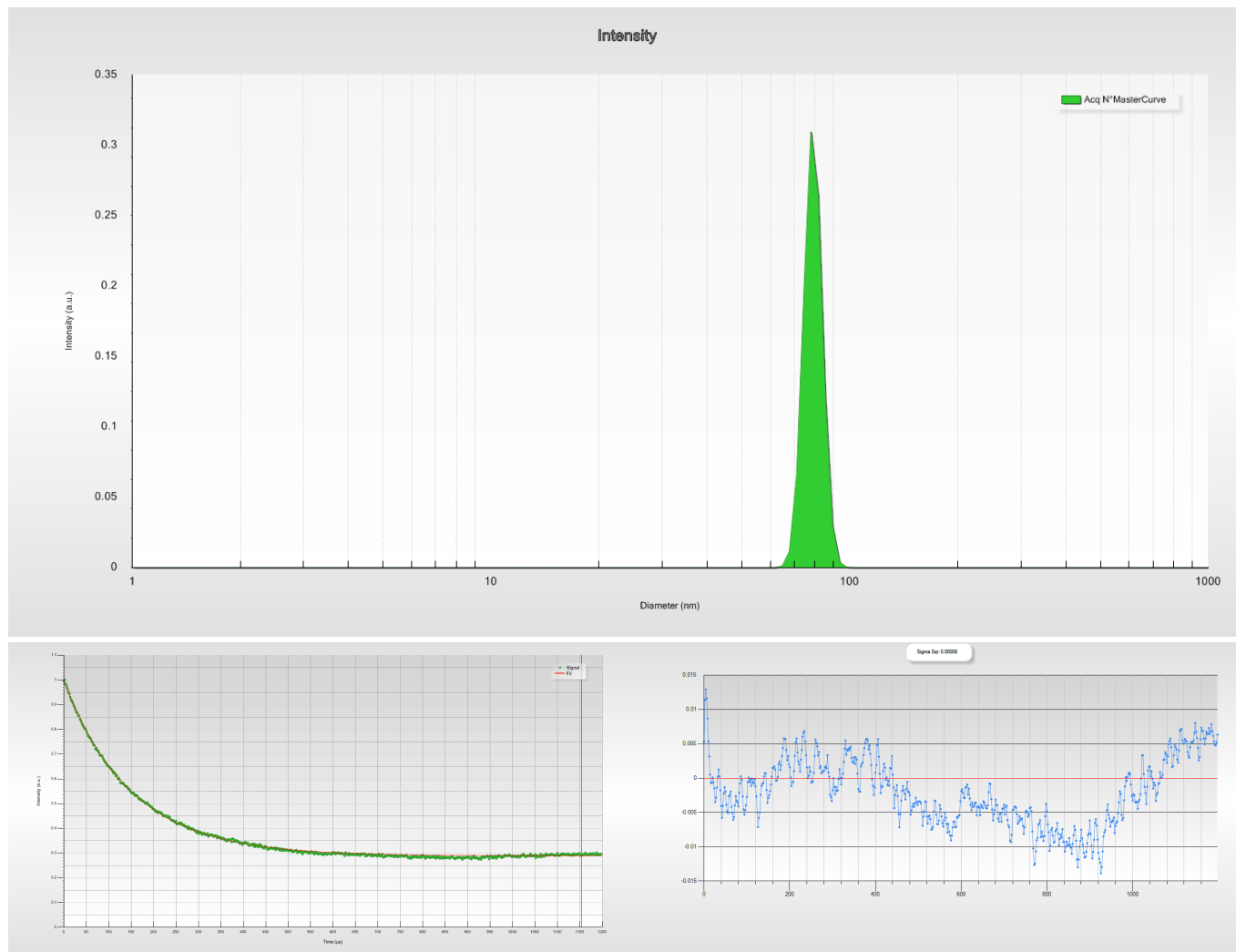
Dv 90%: 77.91 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
78.27	0.84	3320.45	62.81756E-013

Dispersion datas

Size (nm)	Volume
77.91	1



Distribution statistics

Di 10%: 74.39 nm
Mean Intensity: 78.95 nm
PDI : 0.01368

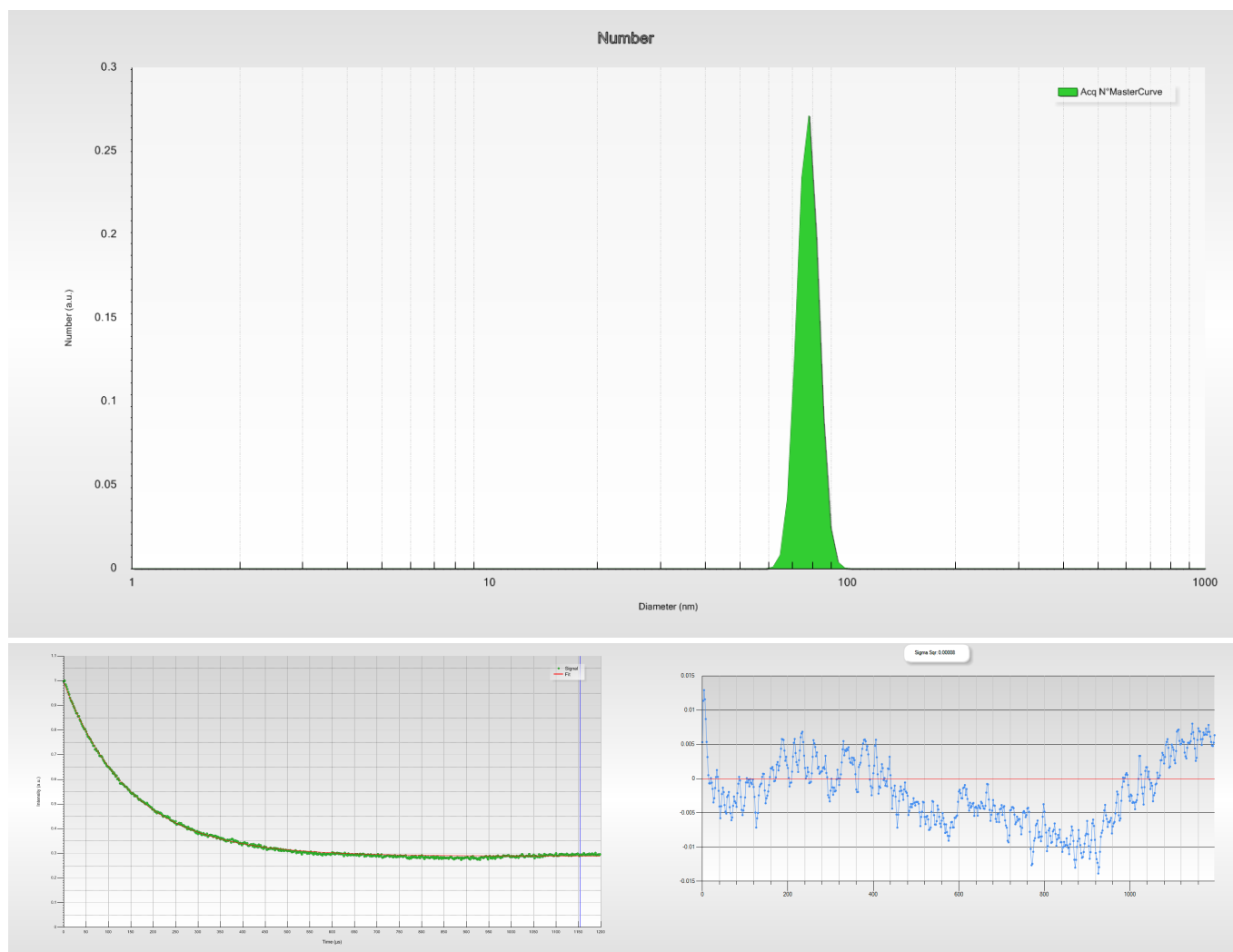
Di 50%: 77.91 nm

Di 90%: 85.45 nm

Std Dev: 5.85%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
78.41	0.7	3313.84	62.69254E-013



Distribution statistics

Dn 10%: 71.02 nm
Mean Number: 77.43 nm
PDI : 0.01368

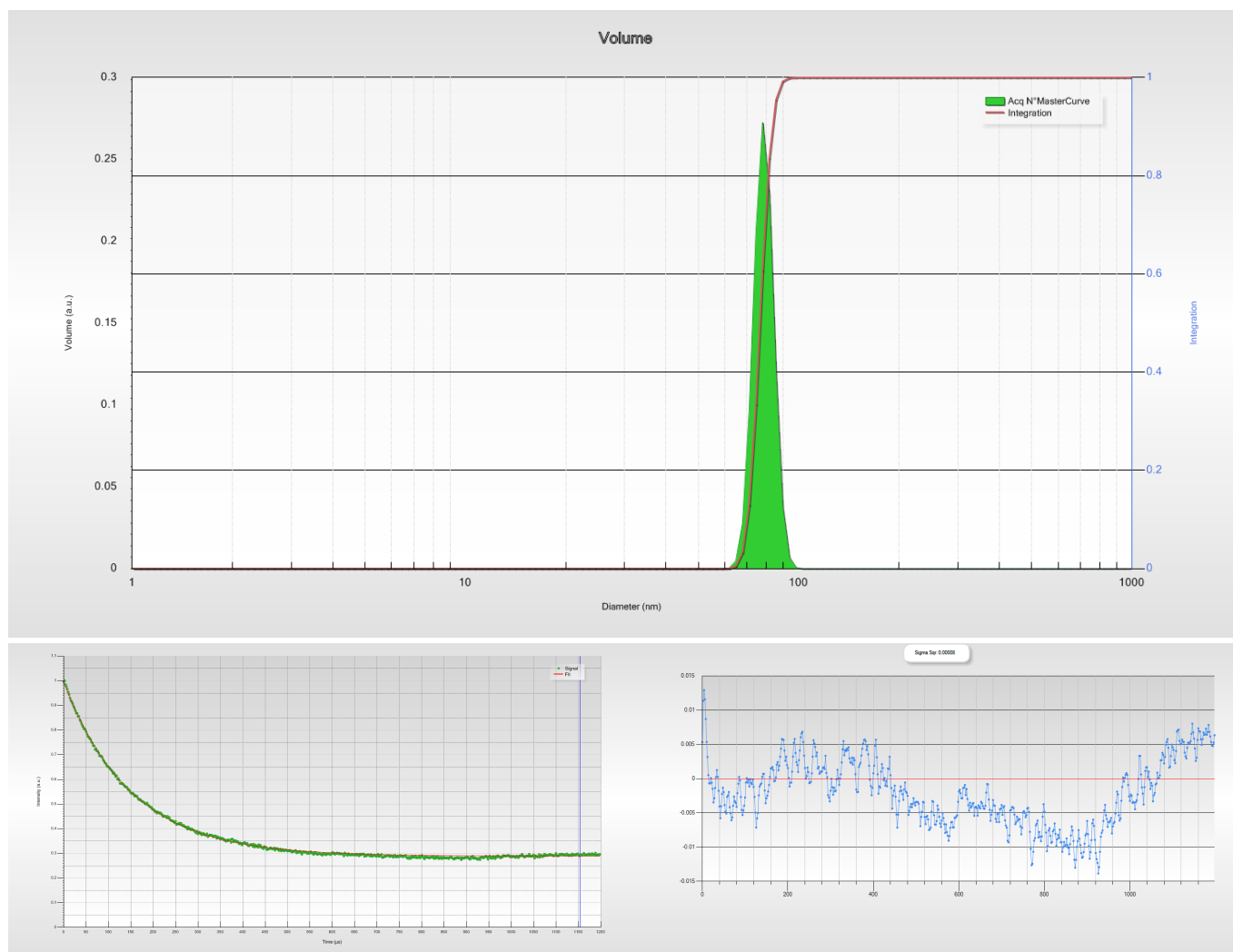
Dn 50%: 77.91 nm

Dn 90%: 85.45 nm

Std Dev: 5.85%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
78.41	0.7	3313.84	62.69254E-013



Distribution statistics

Dv 10%: 71.02 nm
Mean Volume: 78.47 nm
PDI : 0.01368

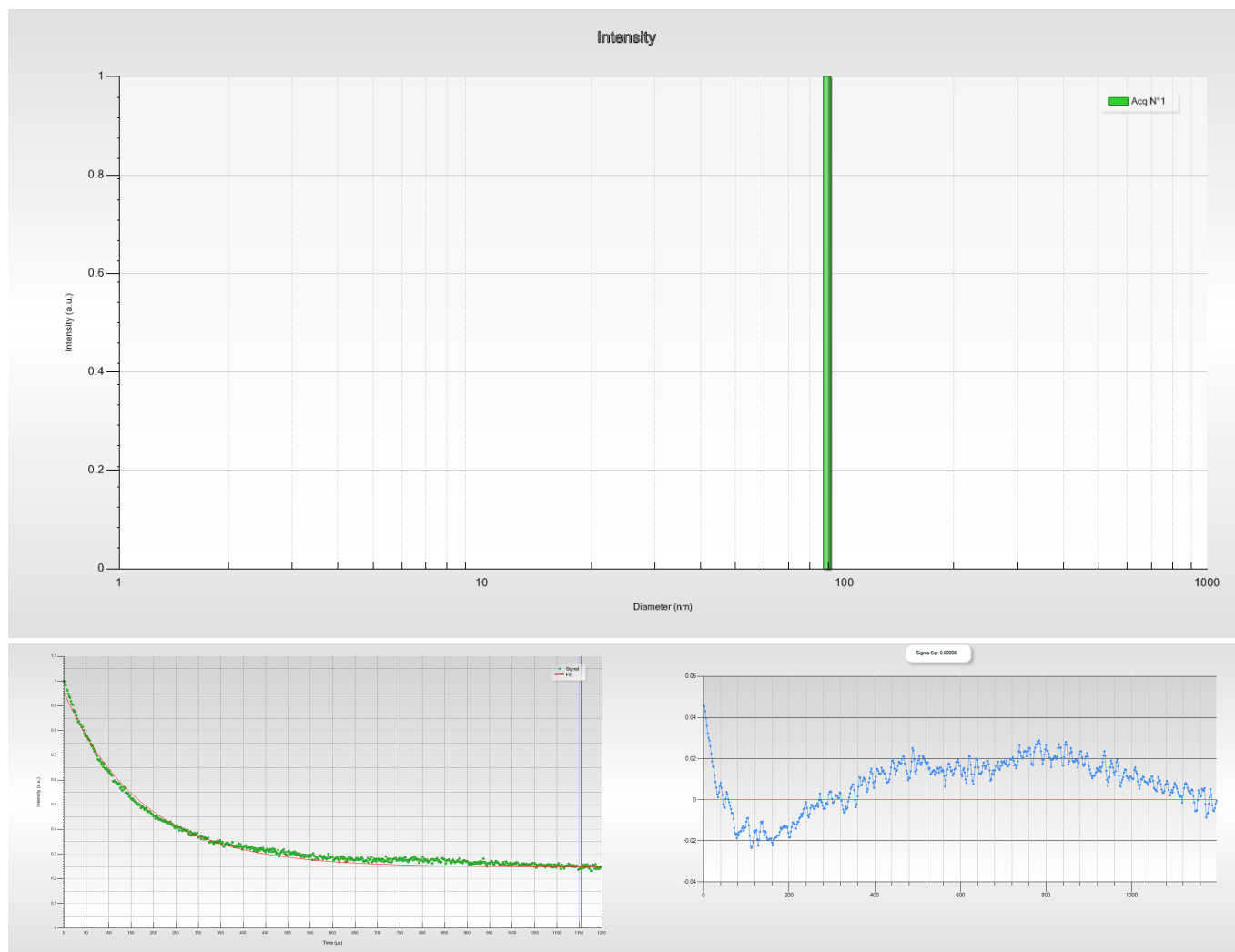
Dv 50%: 77.91 nm

Dv 90%: 85.45 nm

Std Dev: 5.85%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
78.41	0.7	3313.84	62.69254E-013



Dispersion statistics

Di 10%: 89.5 nm
Mean Intensity: 89.5 nm

Di 50%: 89.5 nm

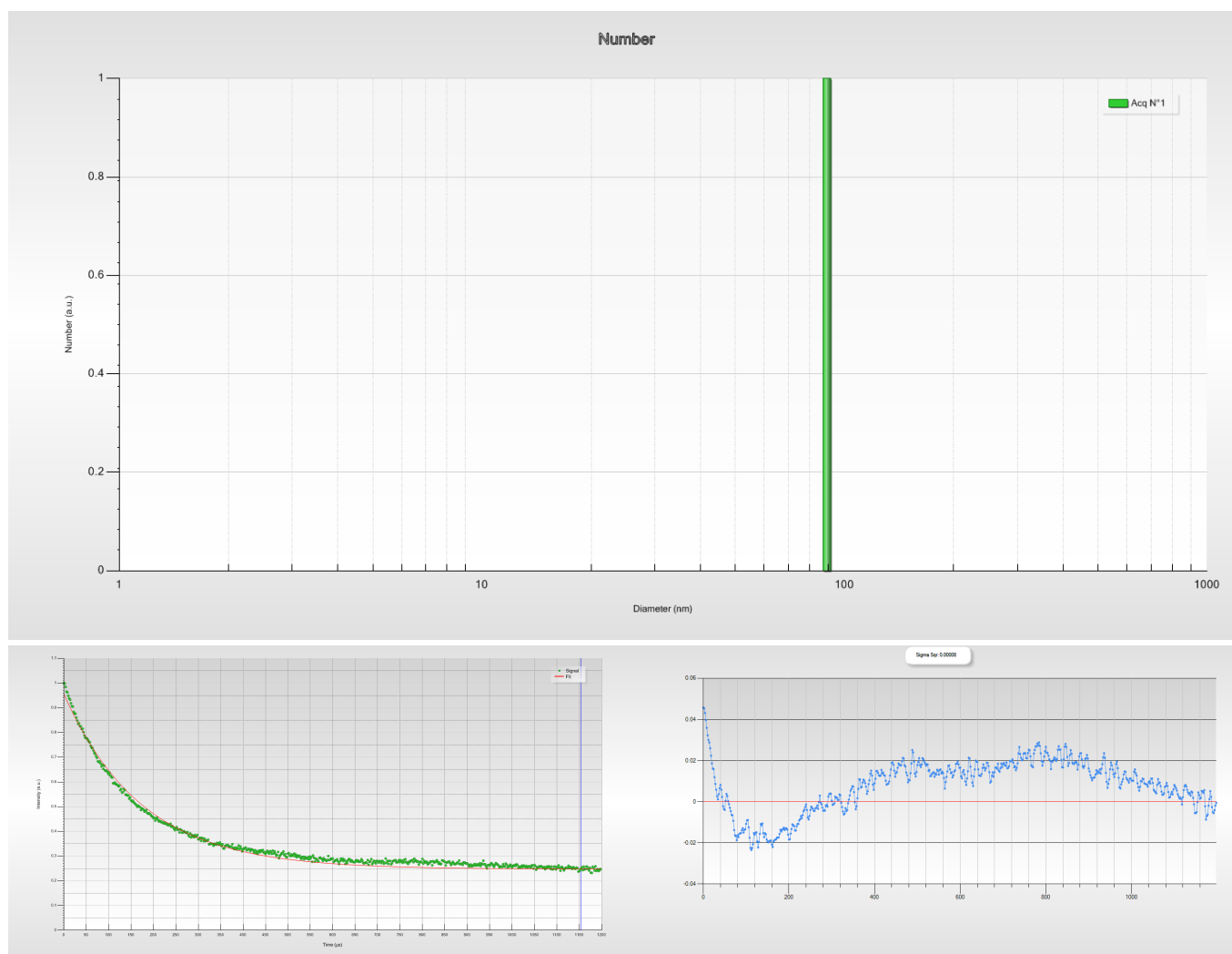
Di 90%: 89.5 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
90.7	0.84	2870.37	54.30269E-013

Dispersion datas

Size (nm)	Intensity
89.5	1



Dispersion statistics

Dn 10%: 89.5 nm
Mean Number: 89.5 nm

Dn 50%: 89.5 nm

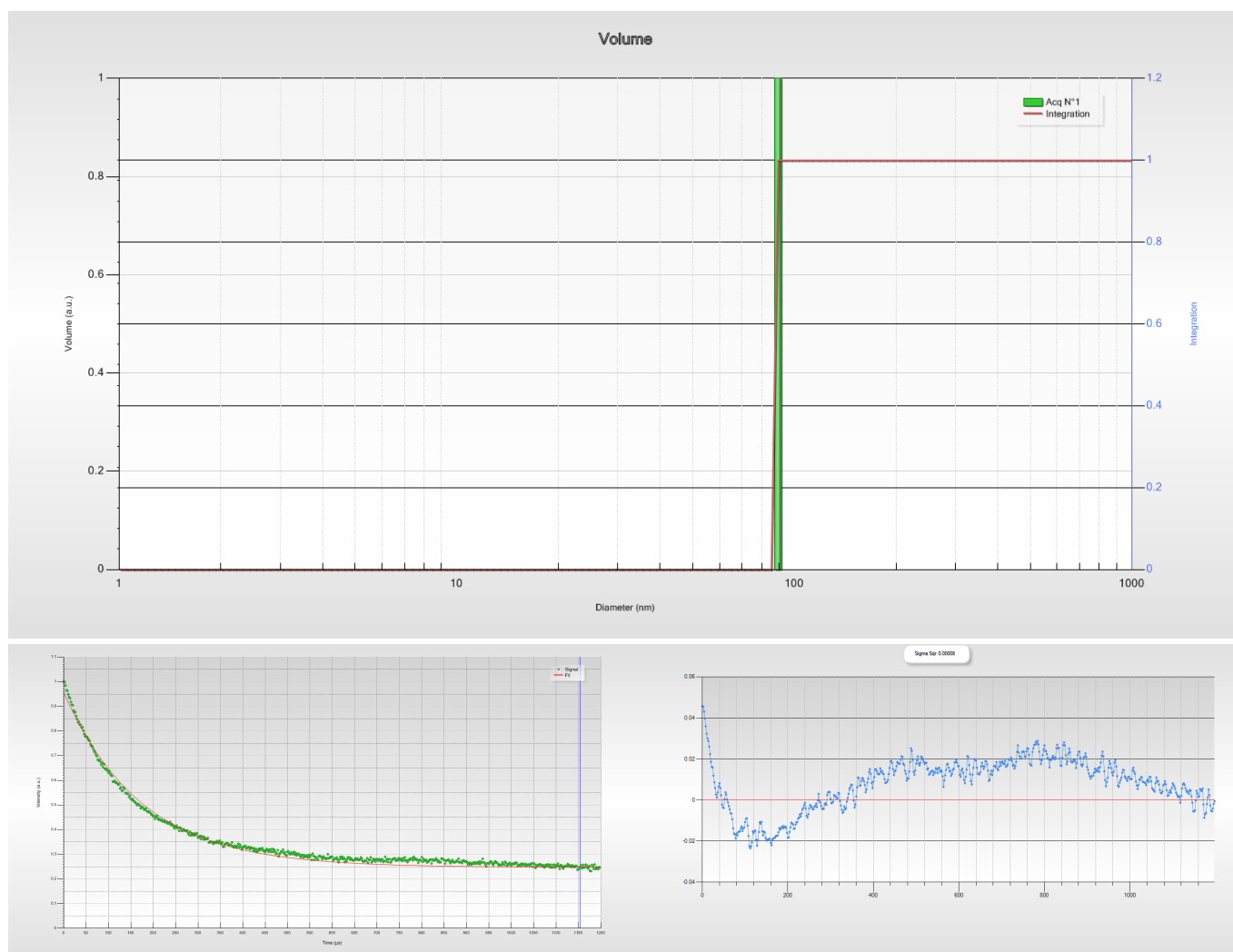
Dn 90%: 89.5 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
90.7	0.84	2870.37	54.30269E-013

Dispersion datas

Size (nm)	Number
89.5	1



Dispersion statistics

Dv 10%: 89.5 nm
Mean Volume: 89.5 nm

Dv 50%: 89.5 nm

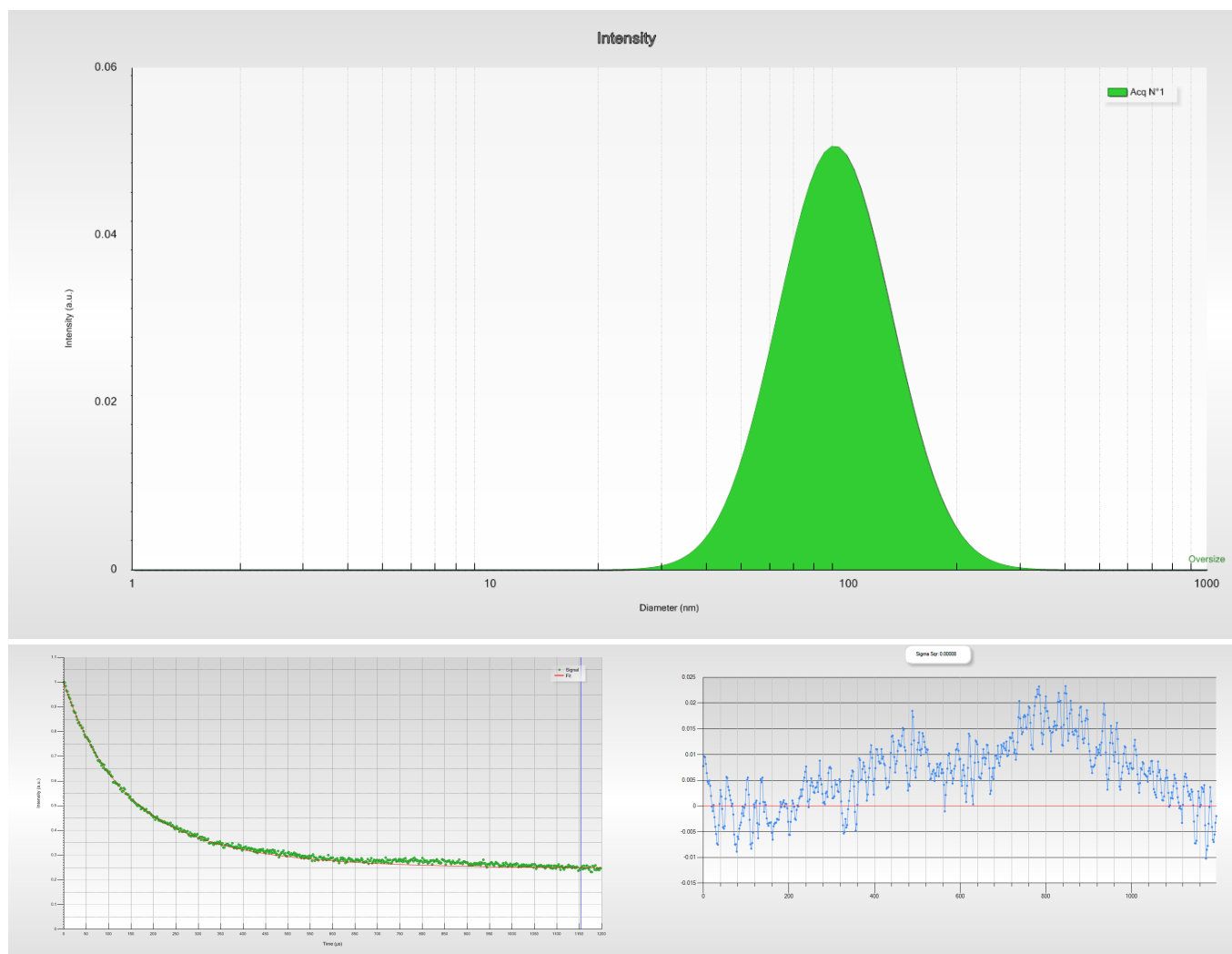
Dv 90%: 89.5 nm

Detected size(s)

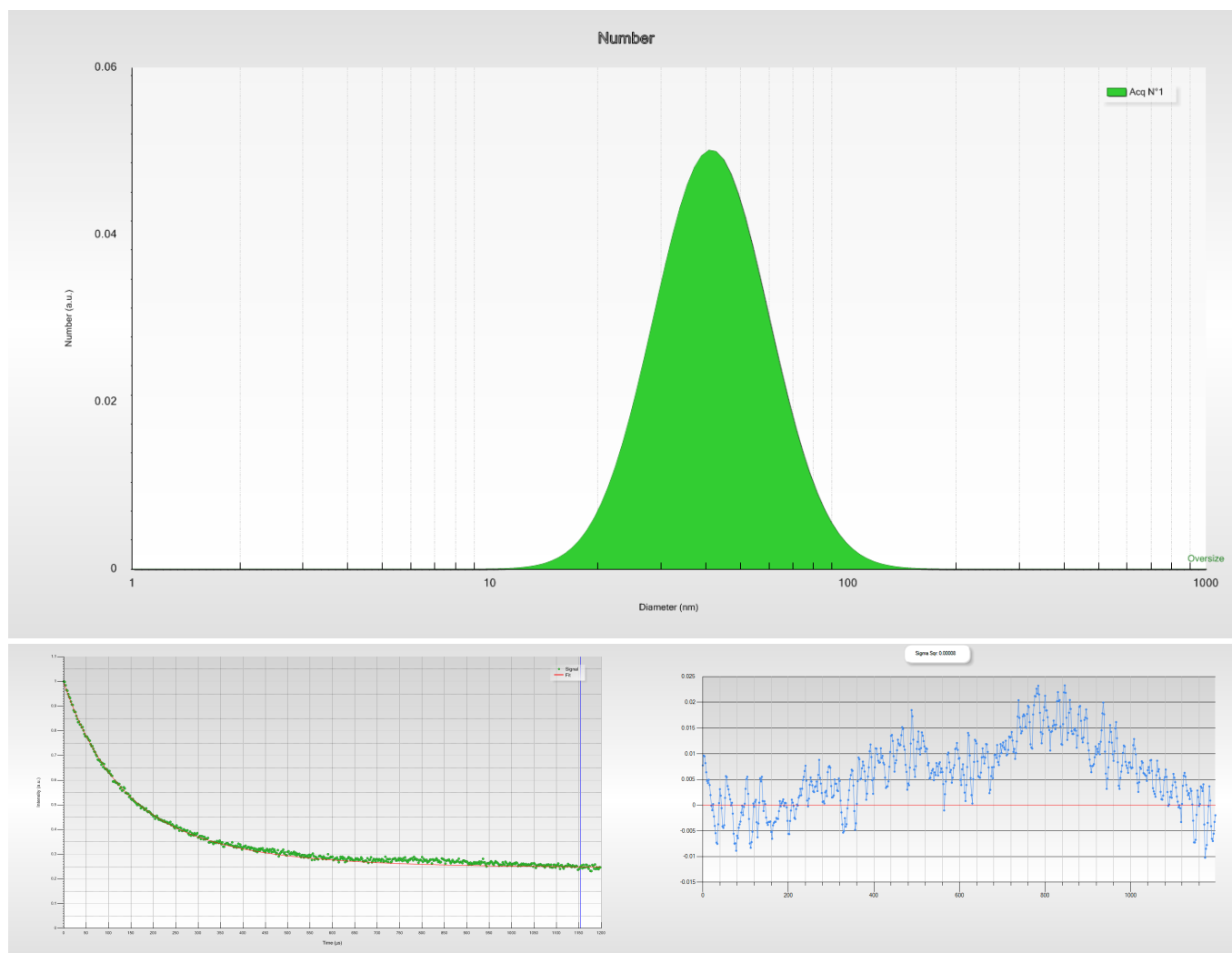
Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
90.7	0.84	2870.37	54.30269E-013

Dispersion datas

Size (nm)	Volume
89.5	1

**Distribution statistics****Di 10%:** 56.36 nm**Di 50%:** 89.5 nm**Di 90%:** 142.11 nm**Mean Intensity:** 97.37 nm**PDI** : 0.56661**Std Dev:** 37.64%**Detected size(s)**

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
74.85	0.75	3478.11	65.8003E-013

**Distribution statistics**

Dn 10%: 25.68 nm
Mean Number: 44.35 nm
PDI : 0.56661

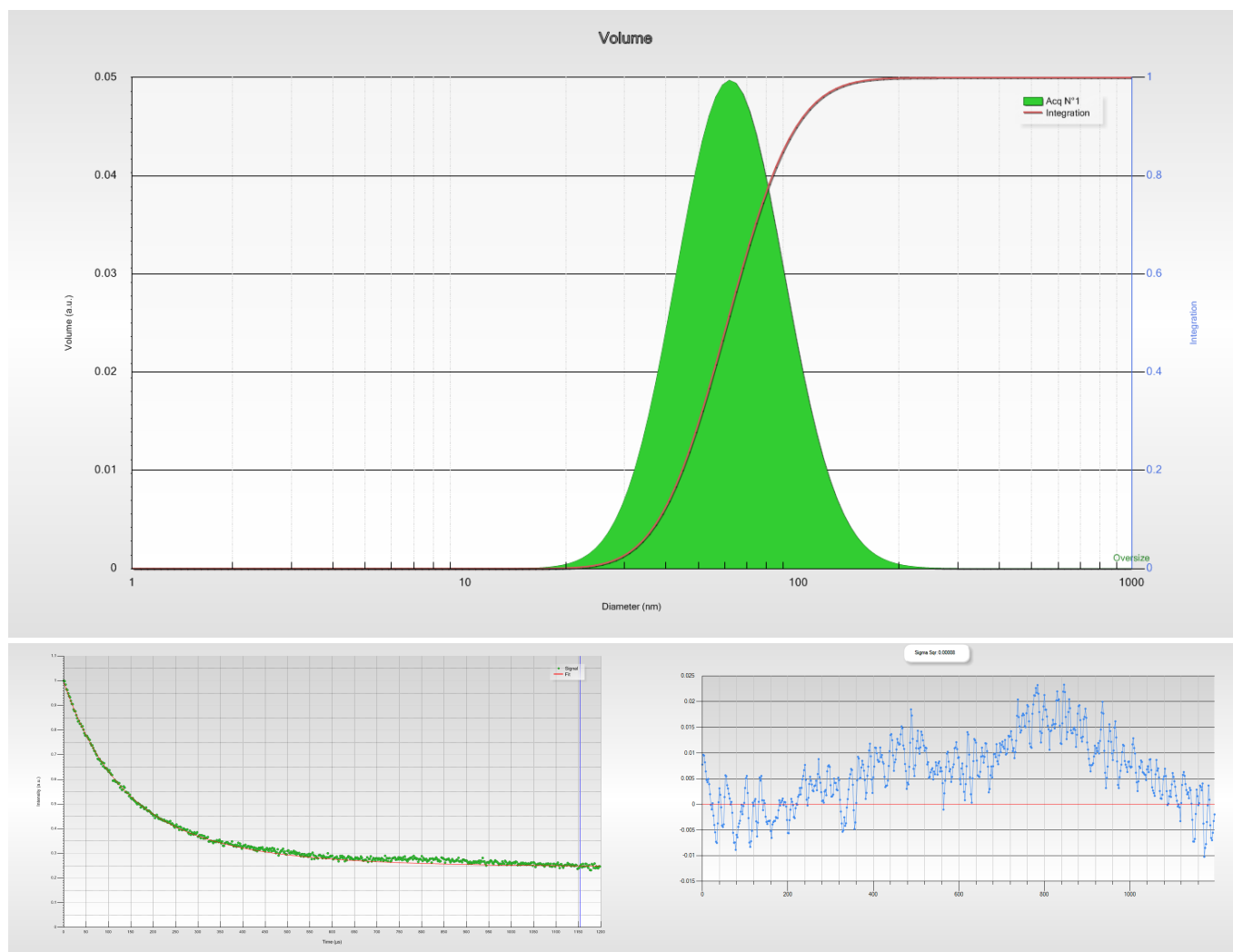
Dn 50%: 40.78 nm

Dn 90%: 67.81 nm

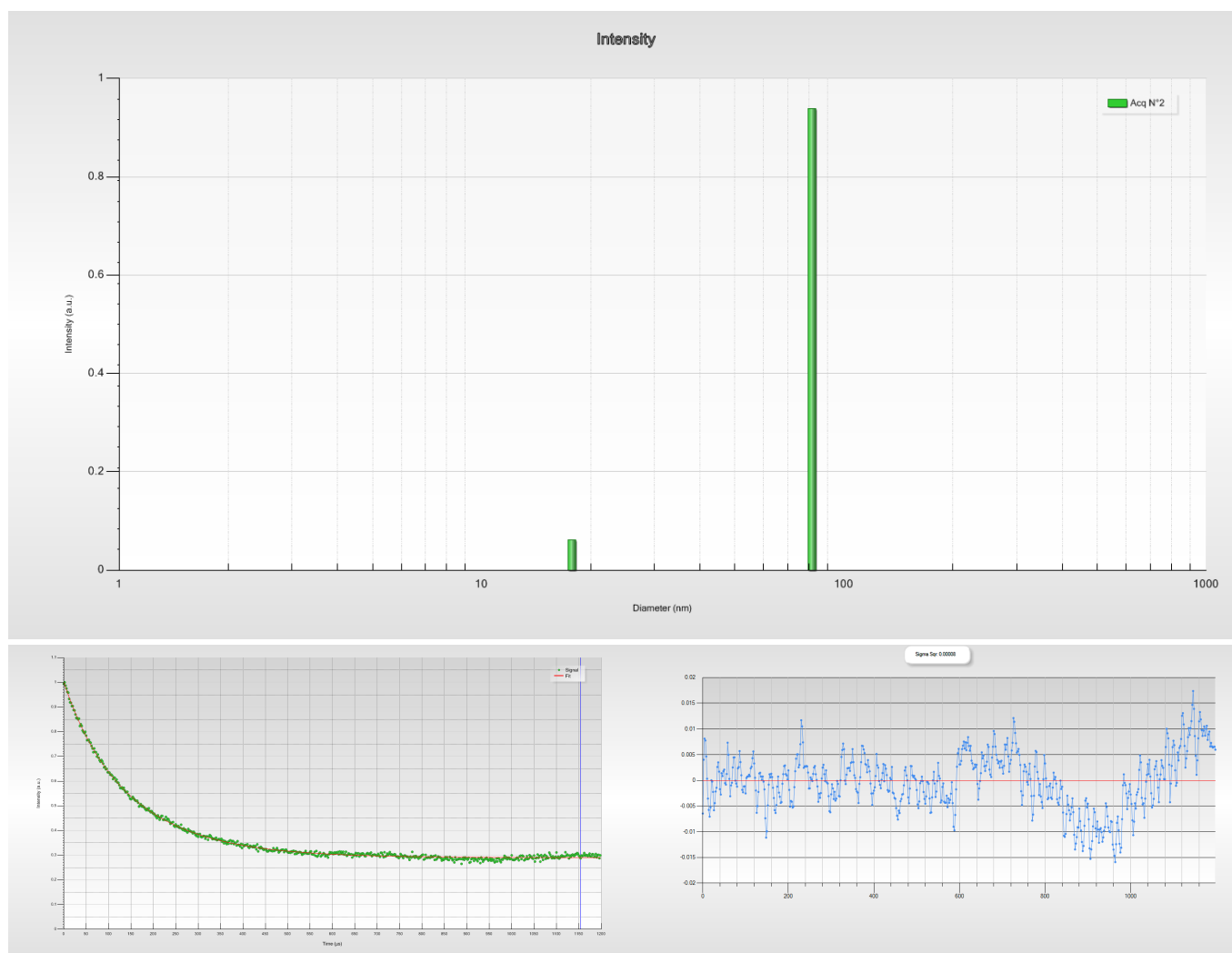
Std Dev: 37.64%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
74.85	0.75	3478.11	65.8003E-013

**Distribution statistics****Dv 10%:** 38.94 nm**Dv 50%:** 61.83 nm**Dv 90%:** 102.81 nm**Mean Volume:** 66.96 nm**PDI** : 0.56661**Std Dev:** 37.64%**Detected size(s)**

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
74.85	0.75	3478.11	65.8003E-013



Dispersion statistics

Di 10%: 81.59 nm
Mean Intensity: 77.67 nm

Di 50%: 81.59 nm

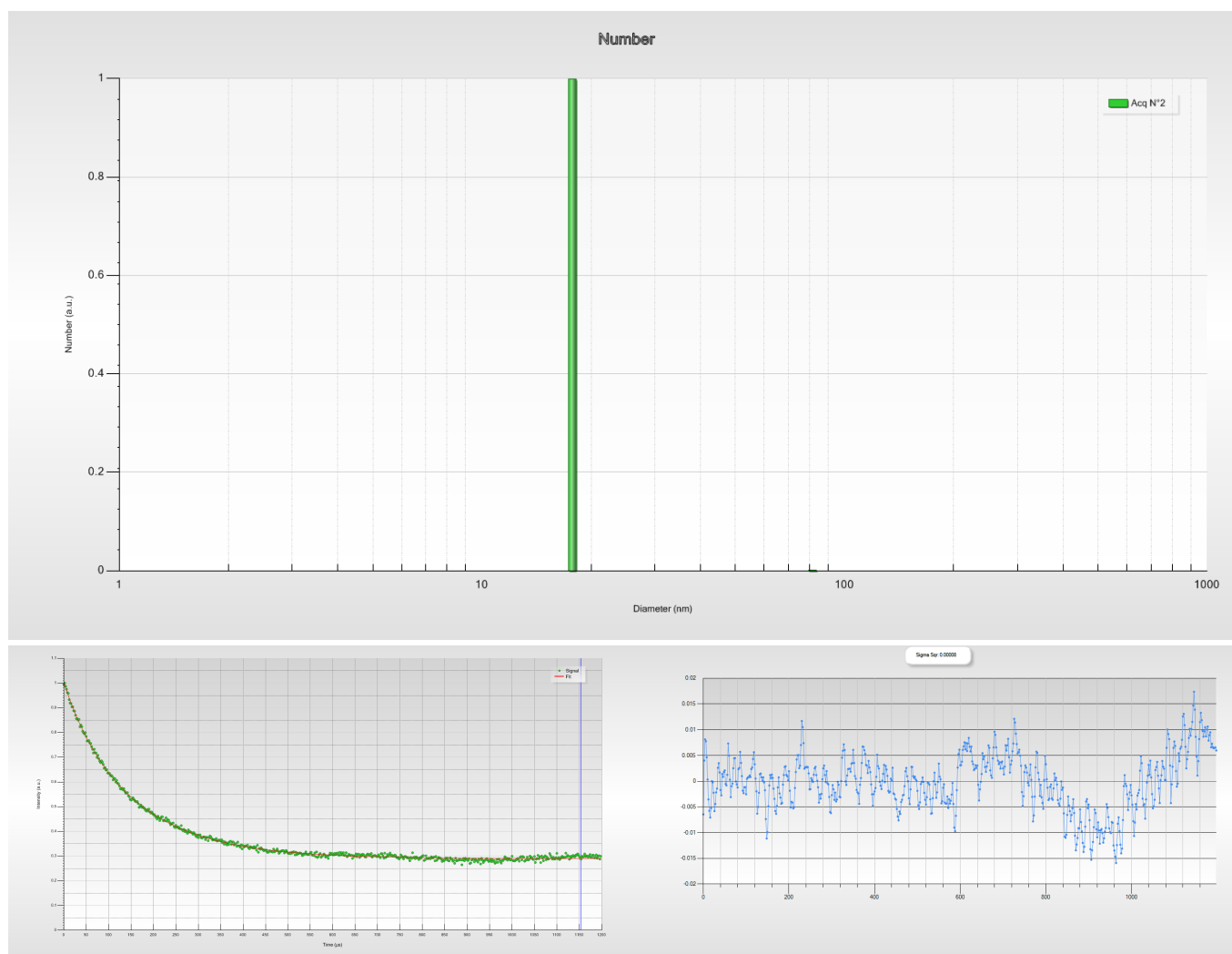
Di 90%: 81.59 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
17.5	0.05	14843.99	28.08242E-012
82.25	0.79	3158.45	59.75267E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
17.74	0.06	81.59	0.94



Dispersion statistics

Dn 10%: 17.74 nm
Mean Number: 17.85 nm

Dn 50%: 17.74 nm

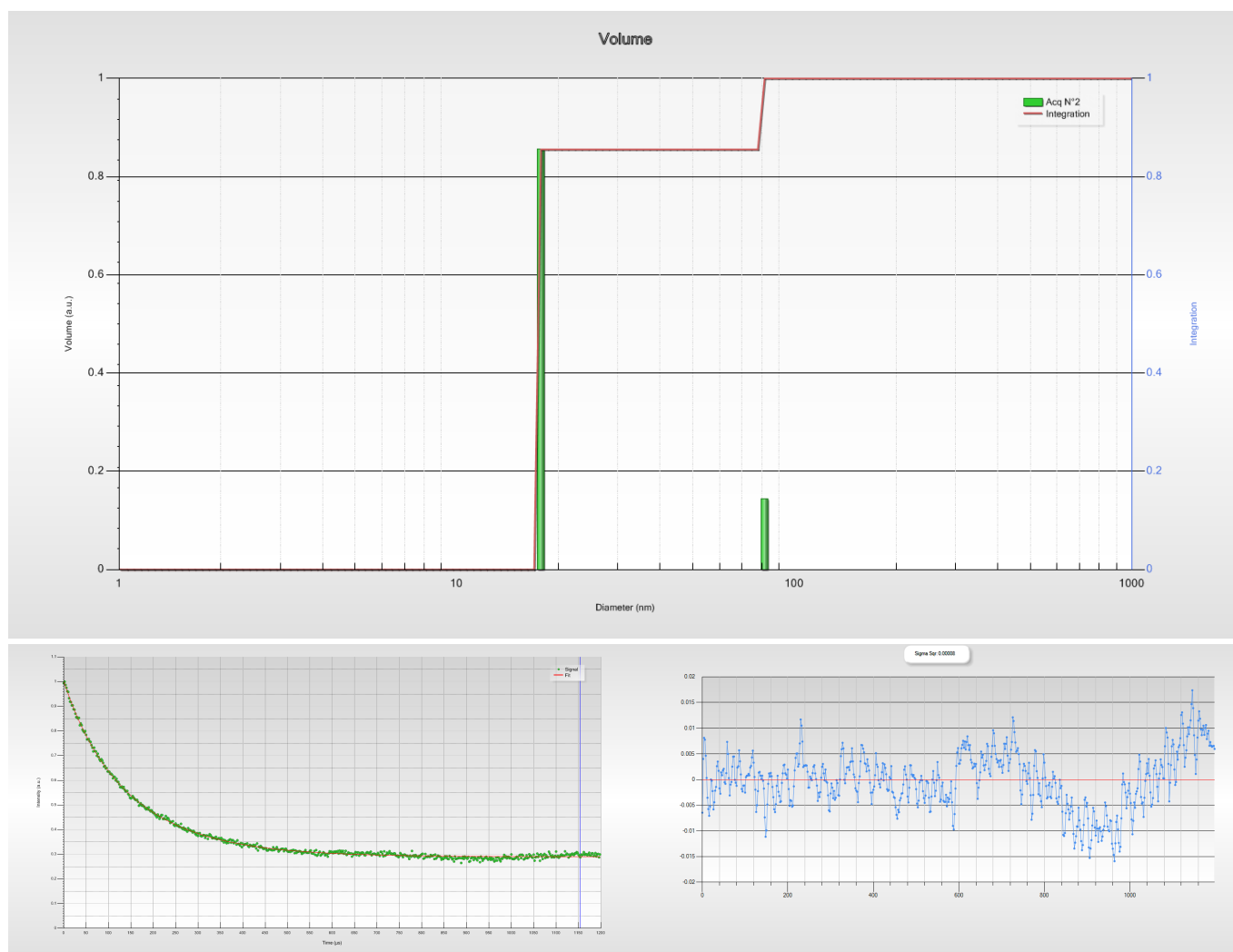
Dn 90%: 17.74 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
17.5	0.05	14843.99	28.08242E-012
82.25	0.79	3158.45	59.75267E-013

Dispersion datas

Size (nm)	Number
17.74	1



Dispersion statistics

Dv 10%: 17.74 nm
Mean Volume: 26.96 nm

Dv 50%: 17.74 nm

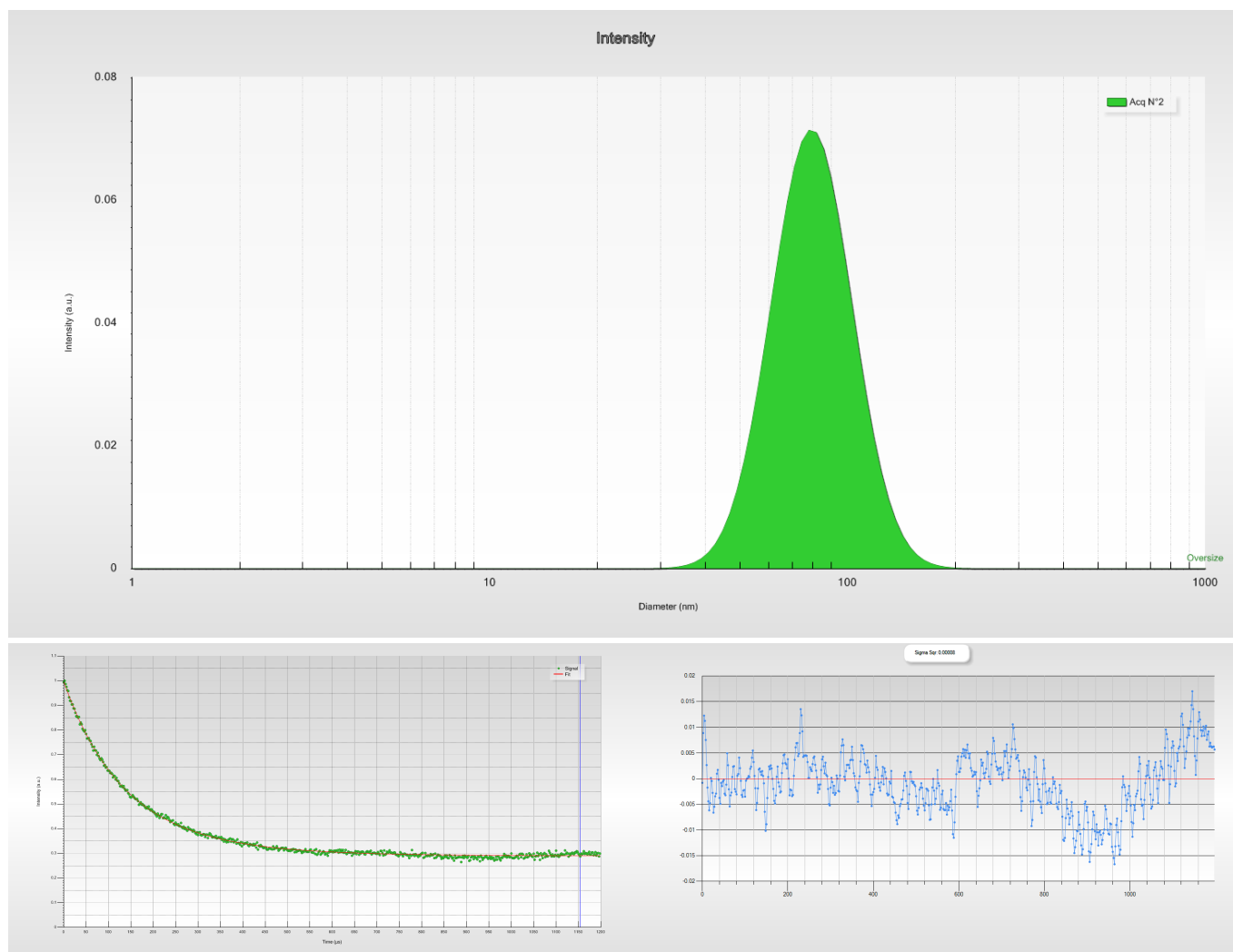
Dv 90%: 81.59 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
17.5	0.05	14843.99	28.08242E-012
82.25	0.79	3158.45	59.75267E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
17.74	0.86	81.59	0.14

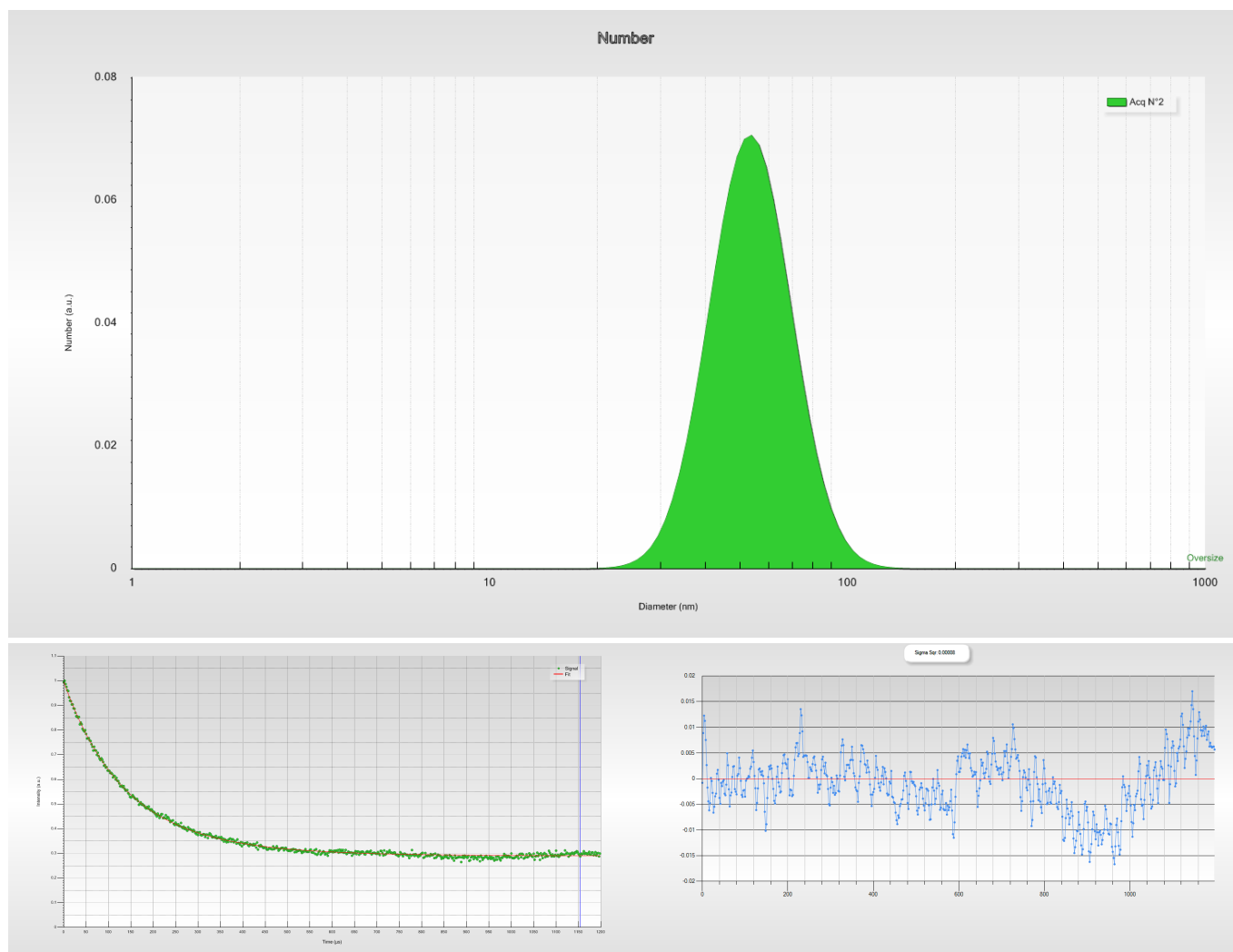


Distribution statistics

Di 10%: 56.36 nm	Di 50%: 77.91 nm	Di 90%: 107.68 nm
Mean Intensity: 81.8 nm		
PDI : 0.27483	Std Dev: 26.21%	

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
71.6	0.71	3628.08	68.63732E-013



Distribution statistics

Dn 10%: 38.94 nm
Mean Number: 55.23 nm
PDI : 0.27483

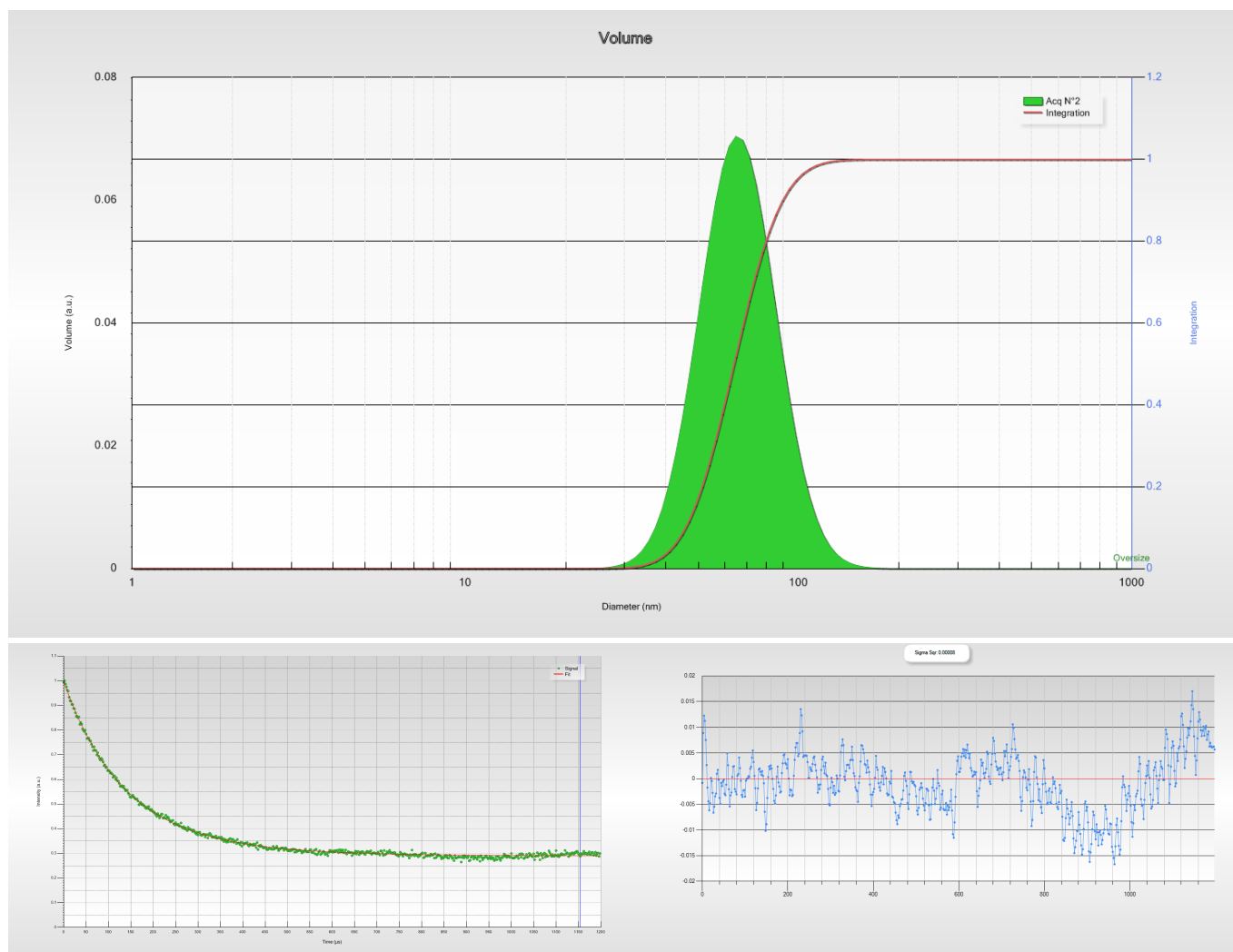
Dn 50%: 53.82 nm

Dn 90%: 74.39 nm

Std Dev: 26.21%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
71.6	0.71	3628.08	68.63732E-013



Distribution statistics

Dv 10%: 46.85 nm
Mean Volume: 67.82 nm
PDI : 0.27483

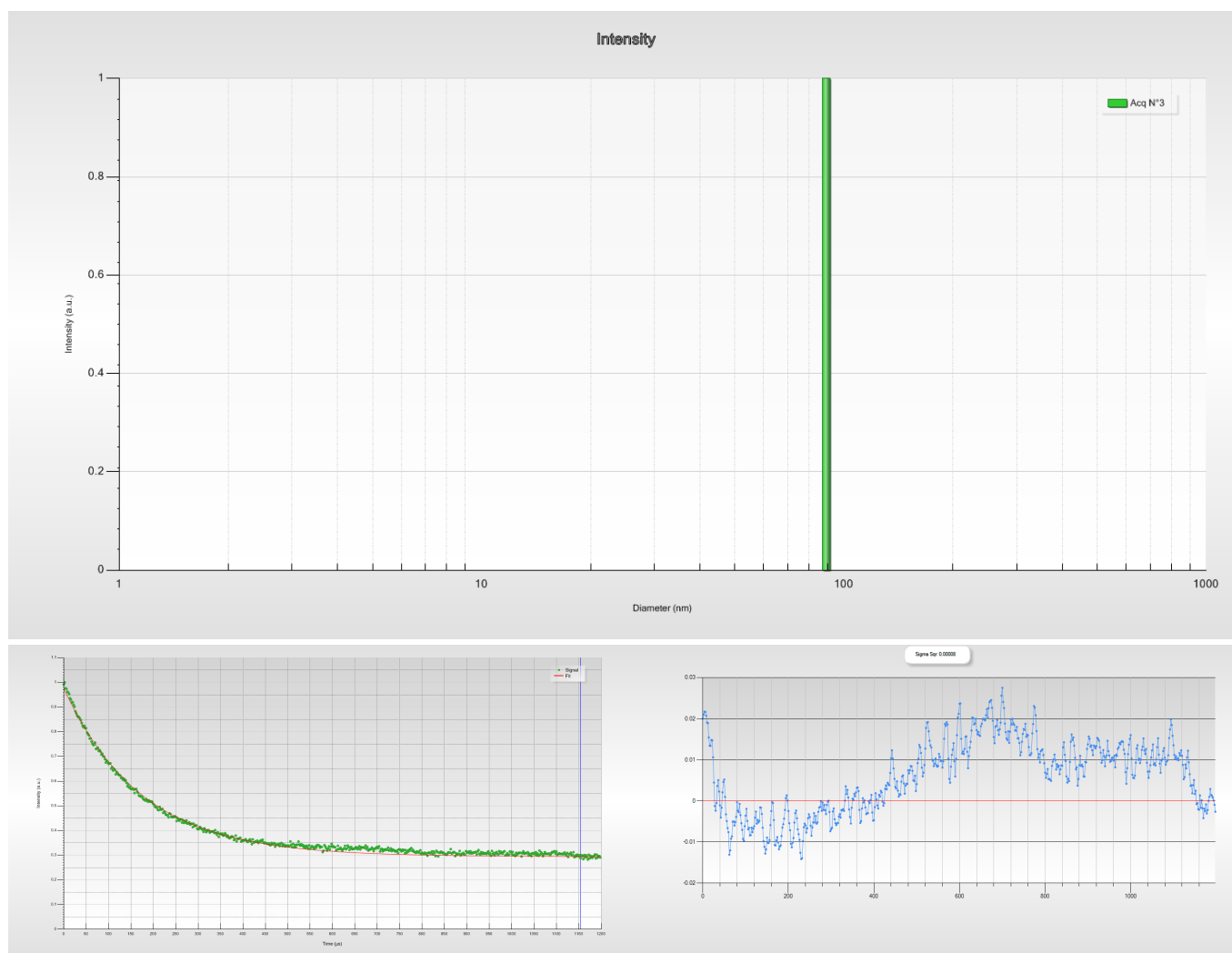
Dv 50%: 64.75 nm

Dv 90%: 93.73 nm

Std Dev: 26.21%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
71.6	0.71	3628.08	68.63732E-013



Dispersion statistics

Di 10%: 89.5 nm
Mean Intensity: 89.5 nm

Di 50%: 89.5 nm

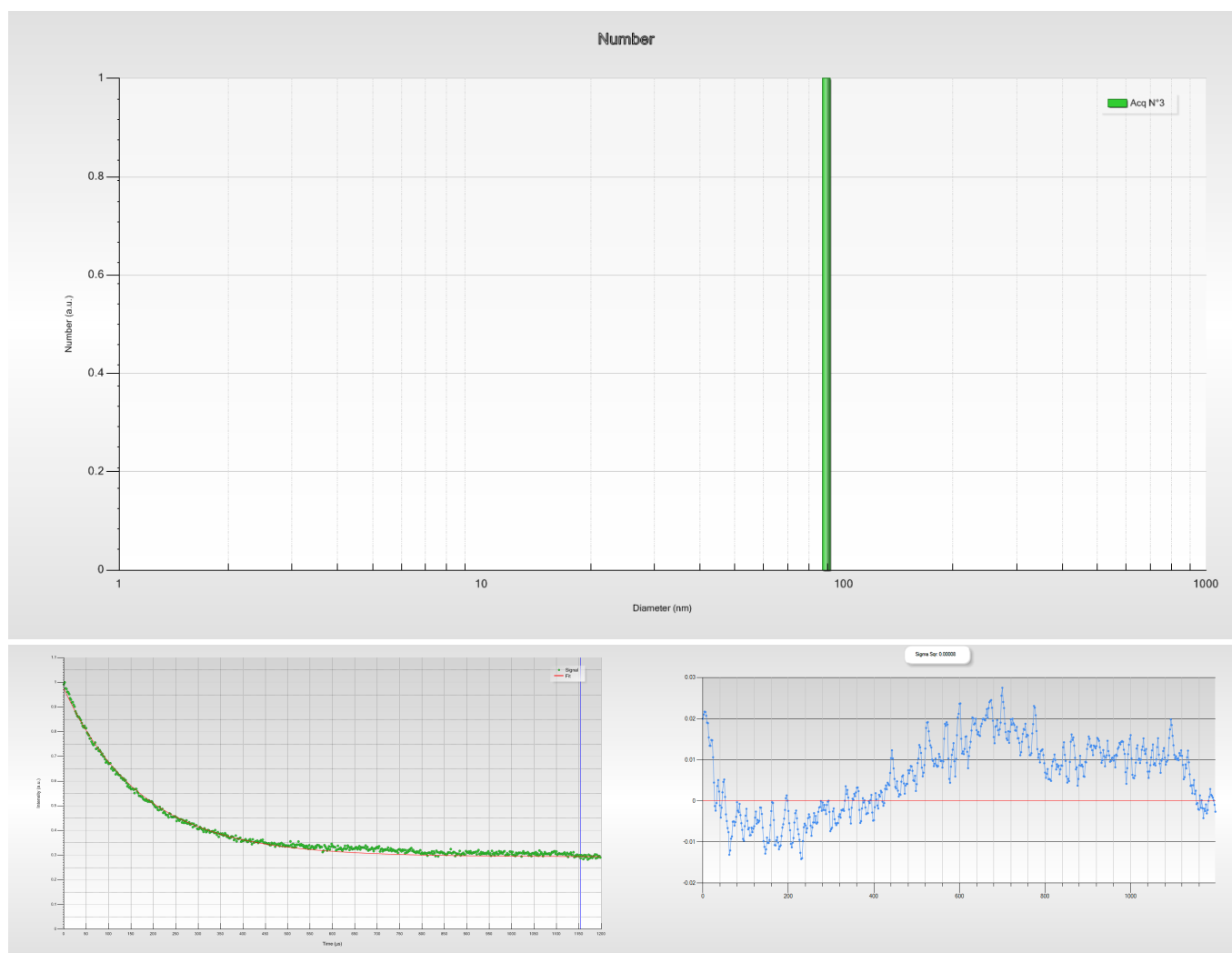
Di 90%: 89.5 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
90.45	0.83	2872.02	54.33402E-013

Dispersion datas

Size (nm)	Intensity
89.5	1



Dispersion statistics

Dn 10%: 89.5 nm
Mean Number: 89.5 nm

Dn 50%: 89.5 nm

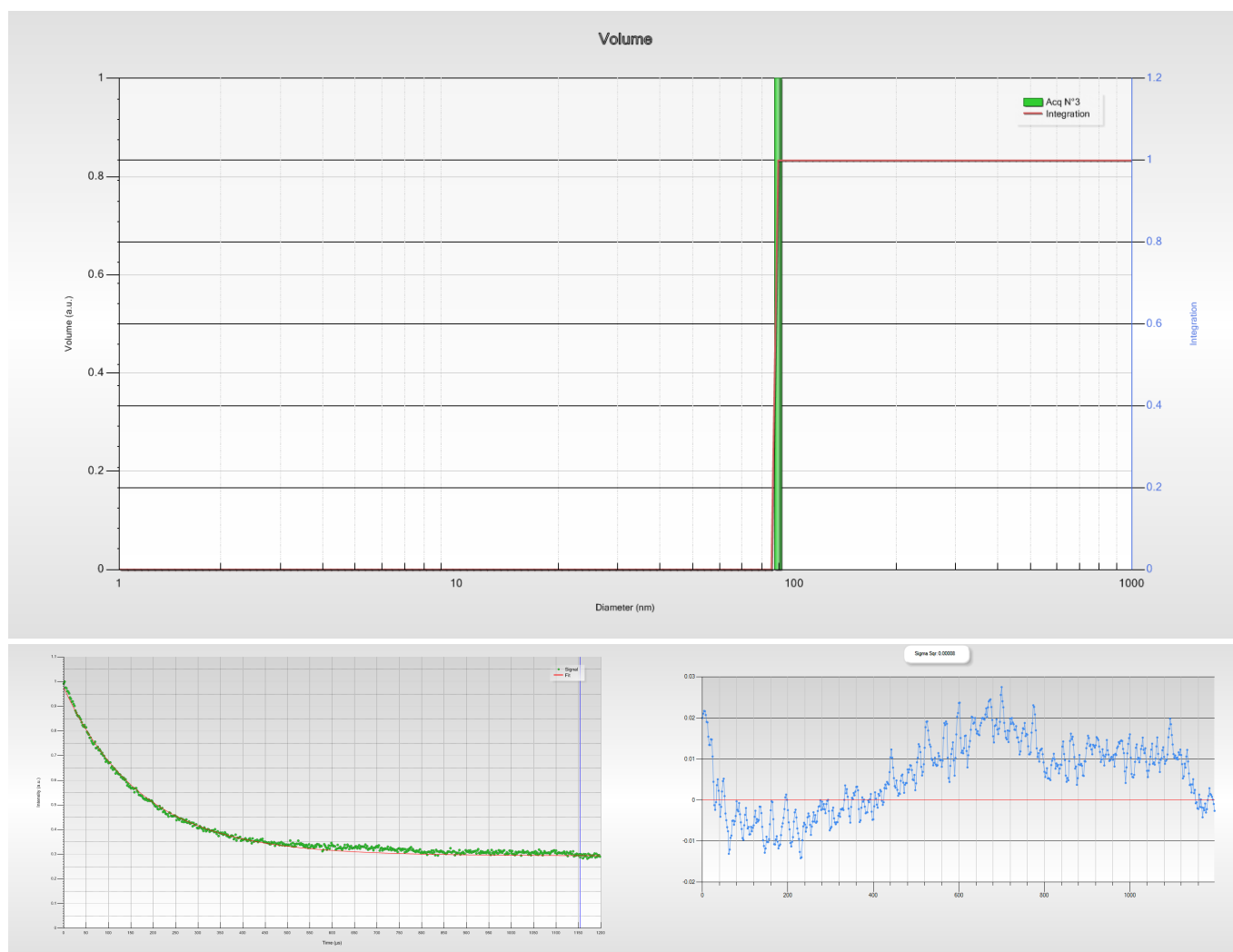
Dn 90%: 89.5 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
90.45	0.83	2872.02	54.33402E-013

Dispersion datas

Size (nm)	Number
89.5	1



Dispersion statistics

Dv 10%: 89.5 nm
Mean Volume: 89.5 nm

Dv 50%: 89.5 nm

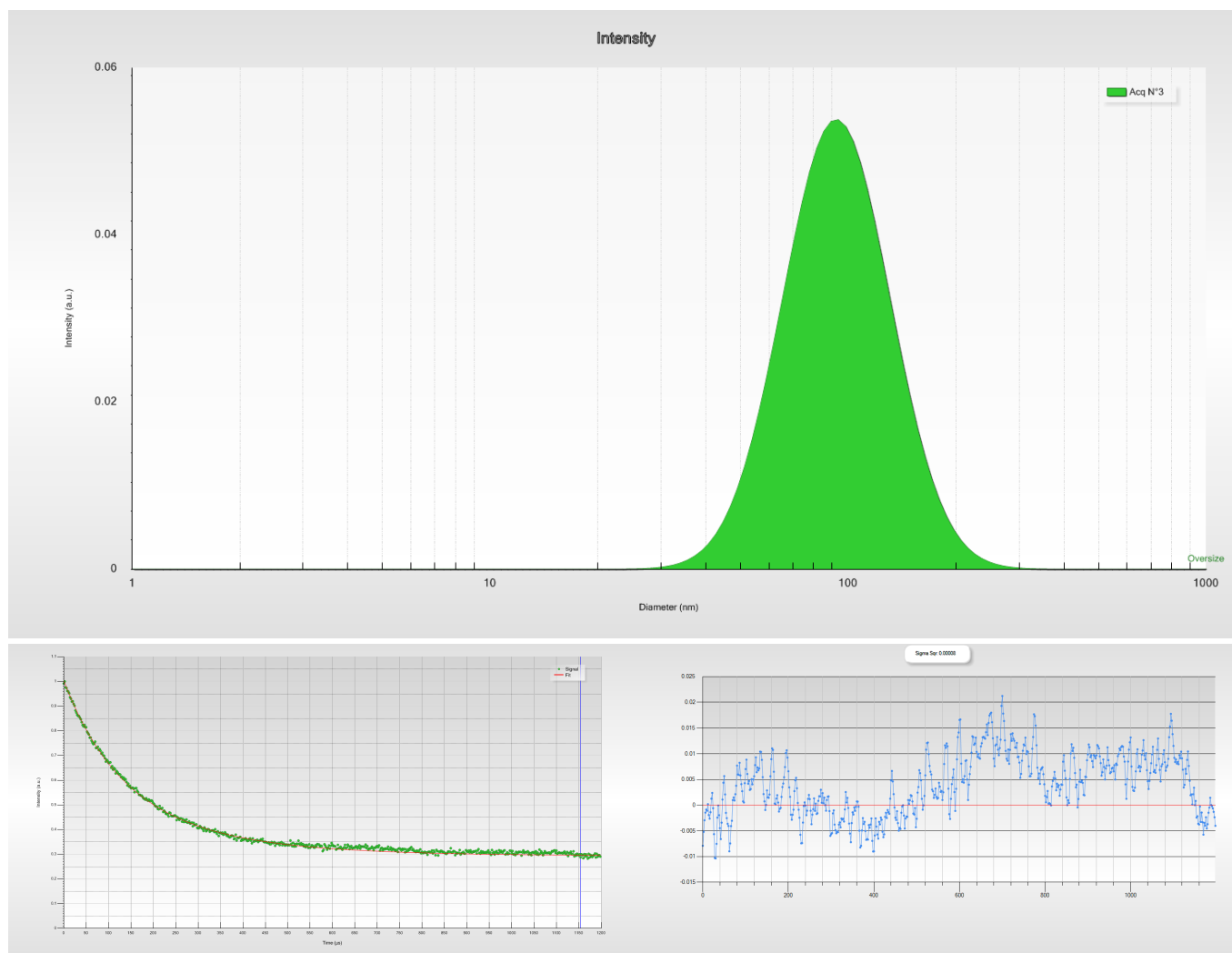
Dv 90%: 89.5 nm

Detected size(s)

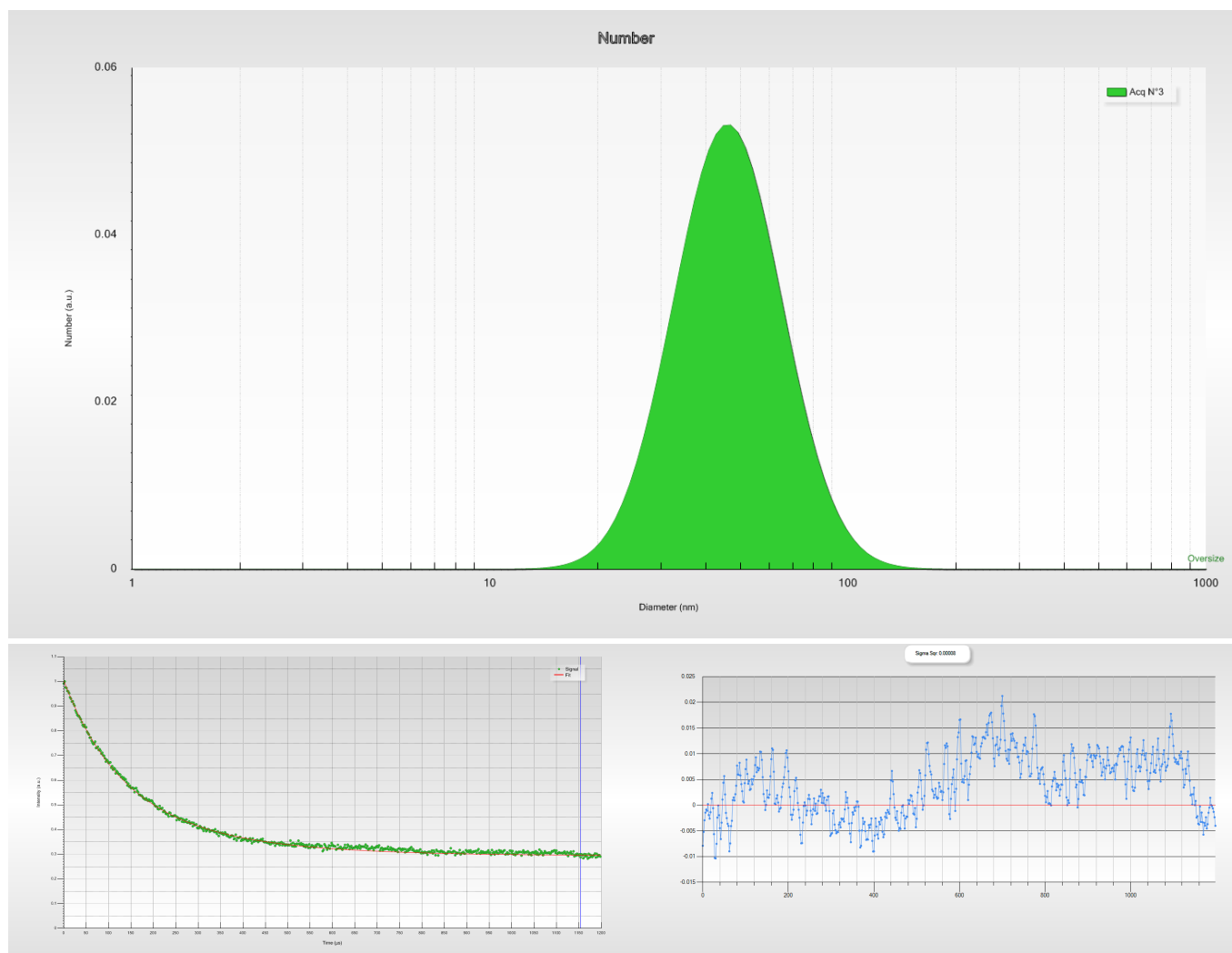
Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
90.45	0.83	2872.02	54.33402E-013

Dispersion datas

Size (nm)	Volume
89.5	1

**Distribution statistics****Di 10%:** 59.03 nm**Di 50%:** 93.73 nm**Di 90%:** 142.11 nm**Mean Intensity:** 98.06 nm**PDI** : 0.49845**Std Dev:** 35.3%**Detected size(s)**

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
77.52	0.71	3351.4	63.40309E-013

**Distribution statistics**

Dn 10%: 29.5 nm
Mean Number: 48.9 nm
PDI : 0.49845

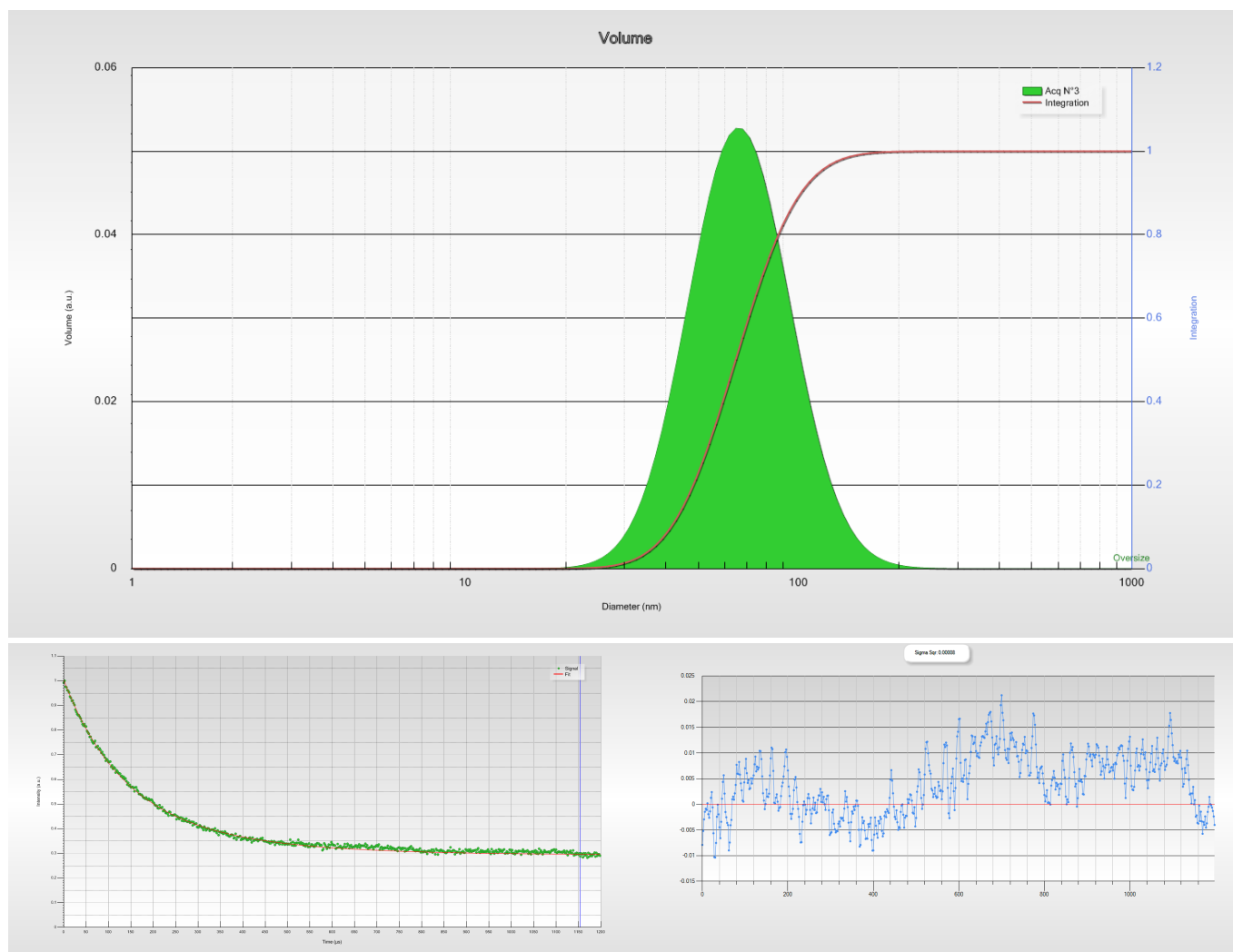
Dn 50%: 46.85 nm

Dn 90%: 71.02 nm

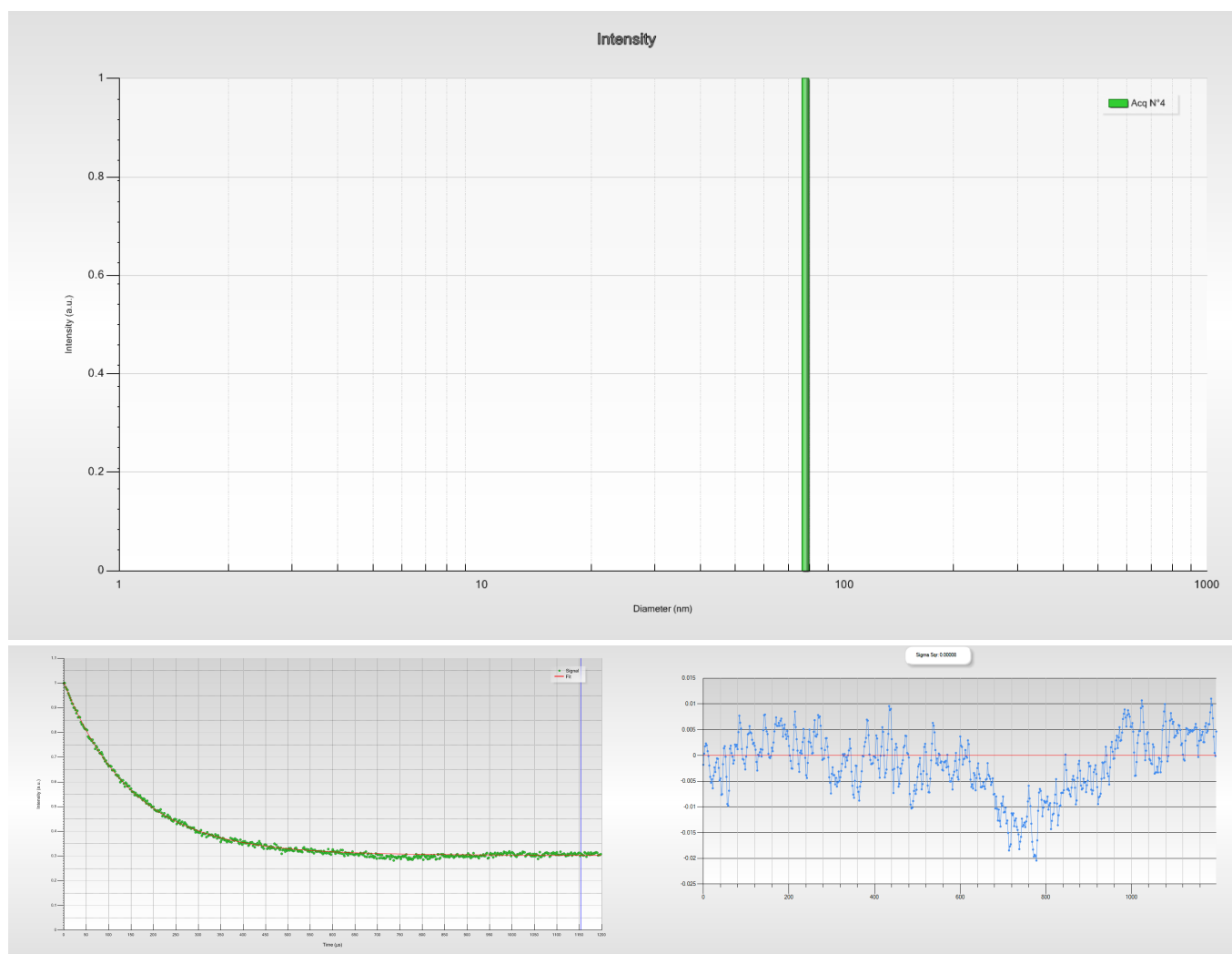
Std Dev: 35.3%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
77.52	0.71	3351.4	63.40309E-013

**Distribution statistics****Dv 10%:** 42.71 nm**Dv 50%:** 64.75 nm**Dv 90%:** 102.81 nm**Mean Volume:** 70.47 nm**PDI** : 0.49845**Std Dev:** 35.3%**Detected size(s)**

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
77.52	0.71	3351.4	63.40309E-013



Dispersion statistics

Di 10%: 77.91 nm
Mean Intensity: 77.91 nm

Di 50%: 77.91 nm

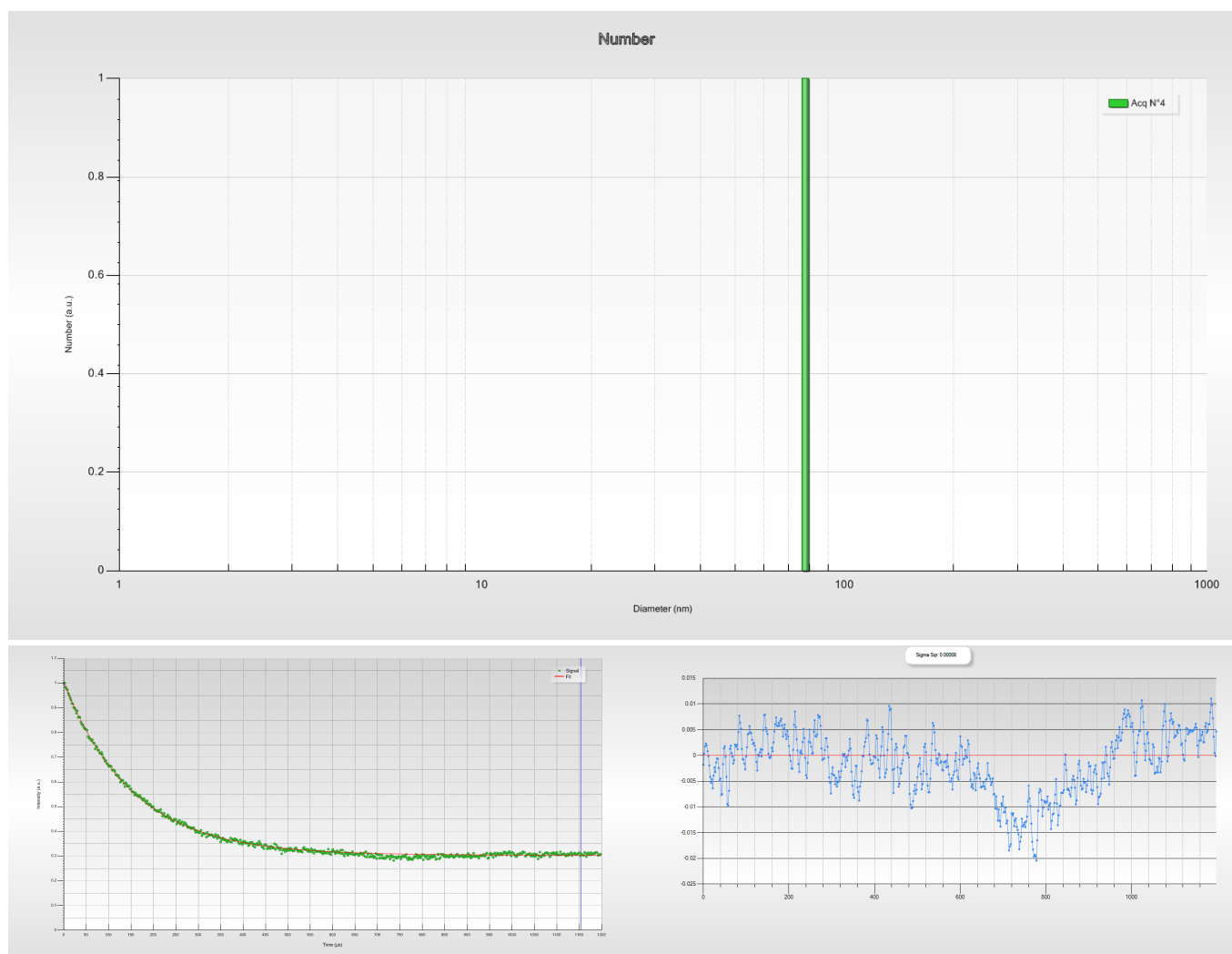
Di 90%: 77.91 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
79.62	0.84	3262.98	61.7303E-013

Dispersion datas

Size (nm)	Intensity
77.91	1



Dispersion statistics

Dn 10%: 77.91 nm
Mean Number: 77.91 nm

Dn 50%: 77.91 nm

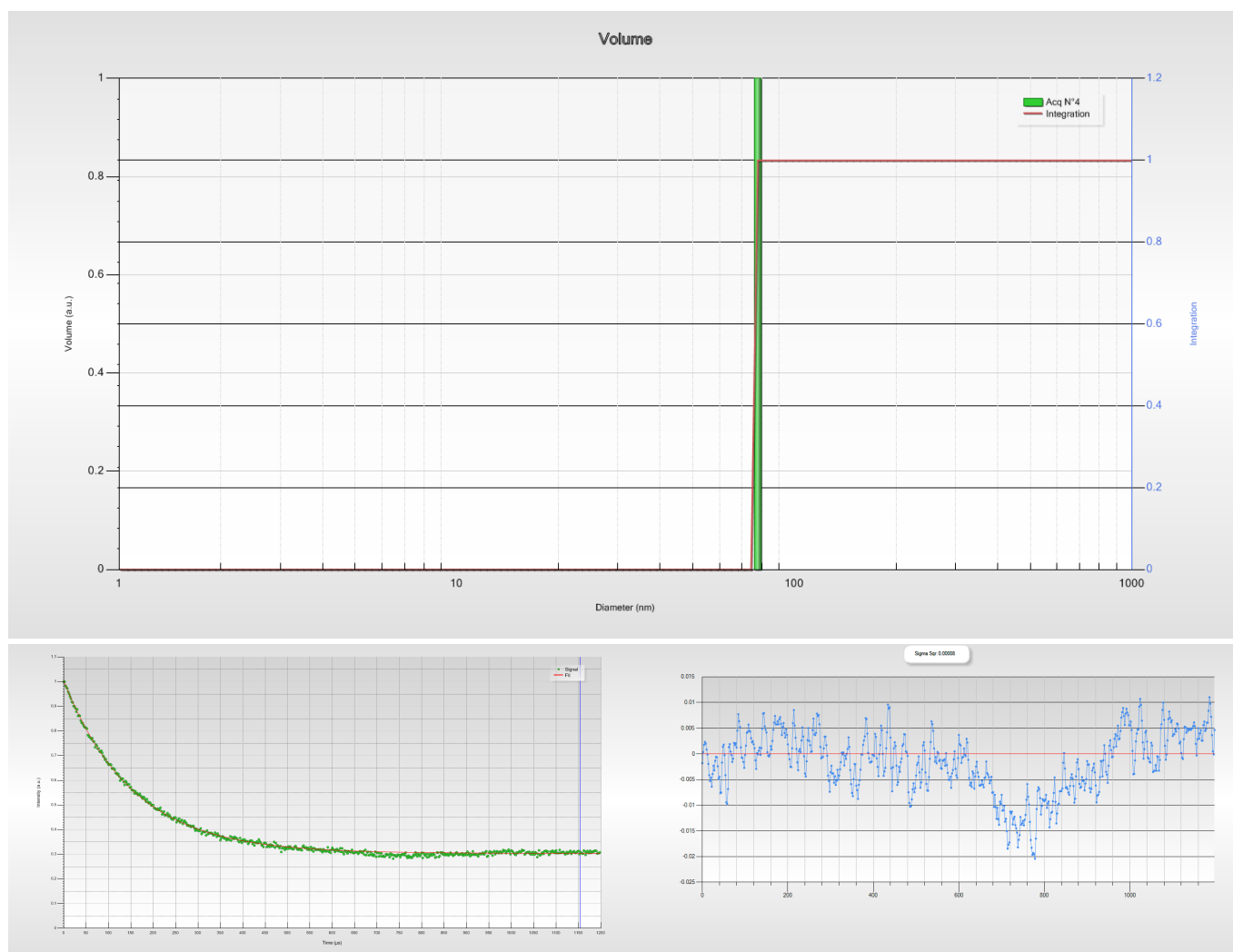
Dn 90%: 77.91 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
79.62	0.84	3262.98	61.7303E-013

Dispersion datas

Size (nm)	Number
77.91	1



Dispersion statistics

Dv 10%: 77.91 nm
Mean Volume: 77.91 nm

Dv 50%: 77.91 nm

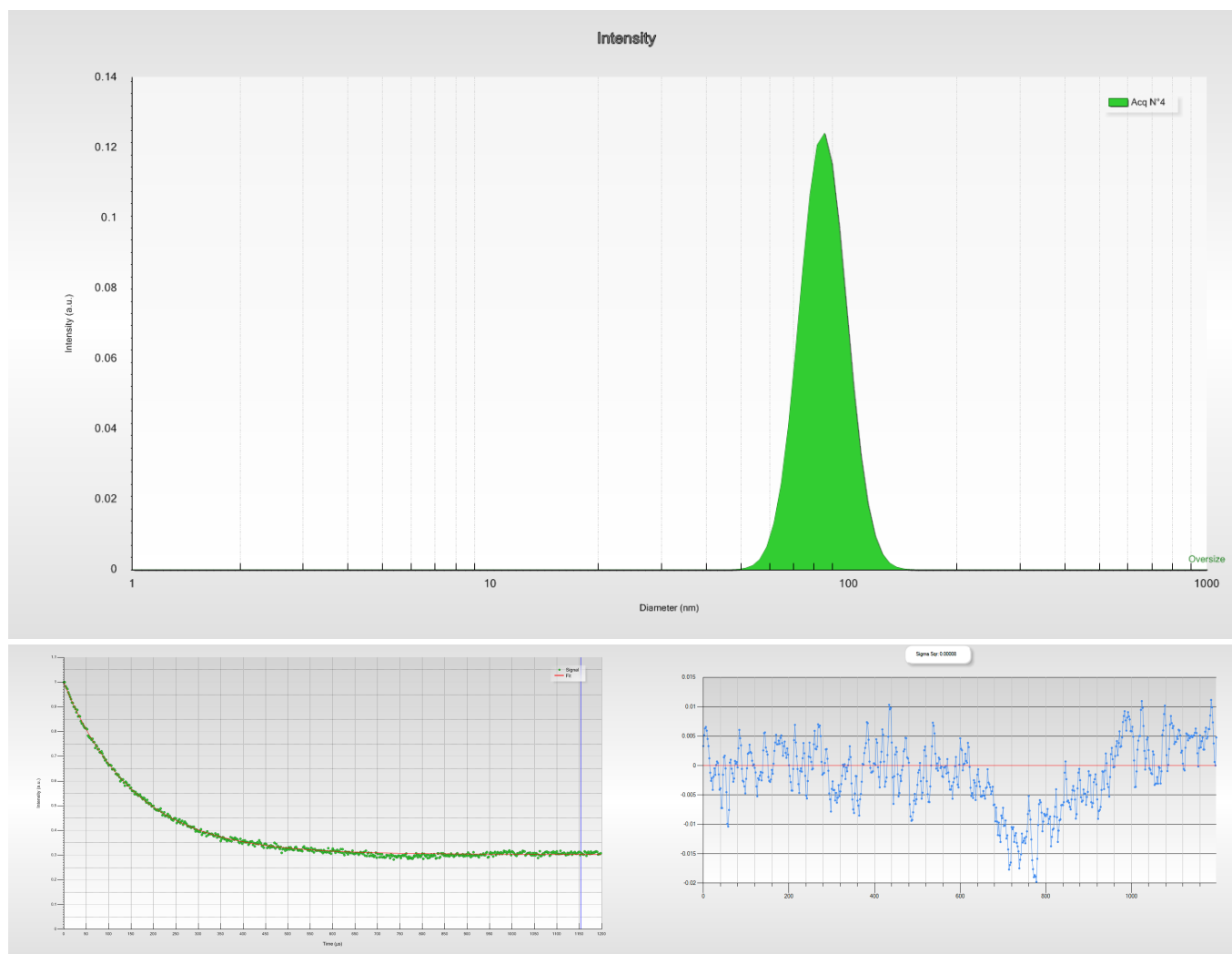
Dv 90%: 77.91 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
79.62	0.84	3262.98	61.7303E-013

Dispersion datas

Size (nm)	Volume
77.91	1

**Distribution statistics**

Di 10%: 71.02 nm
Mean Intensity: 85.49 nm
PDI : 0.08883

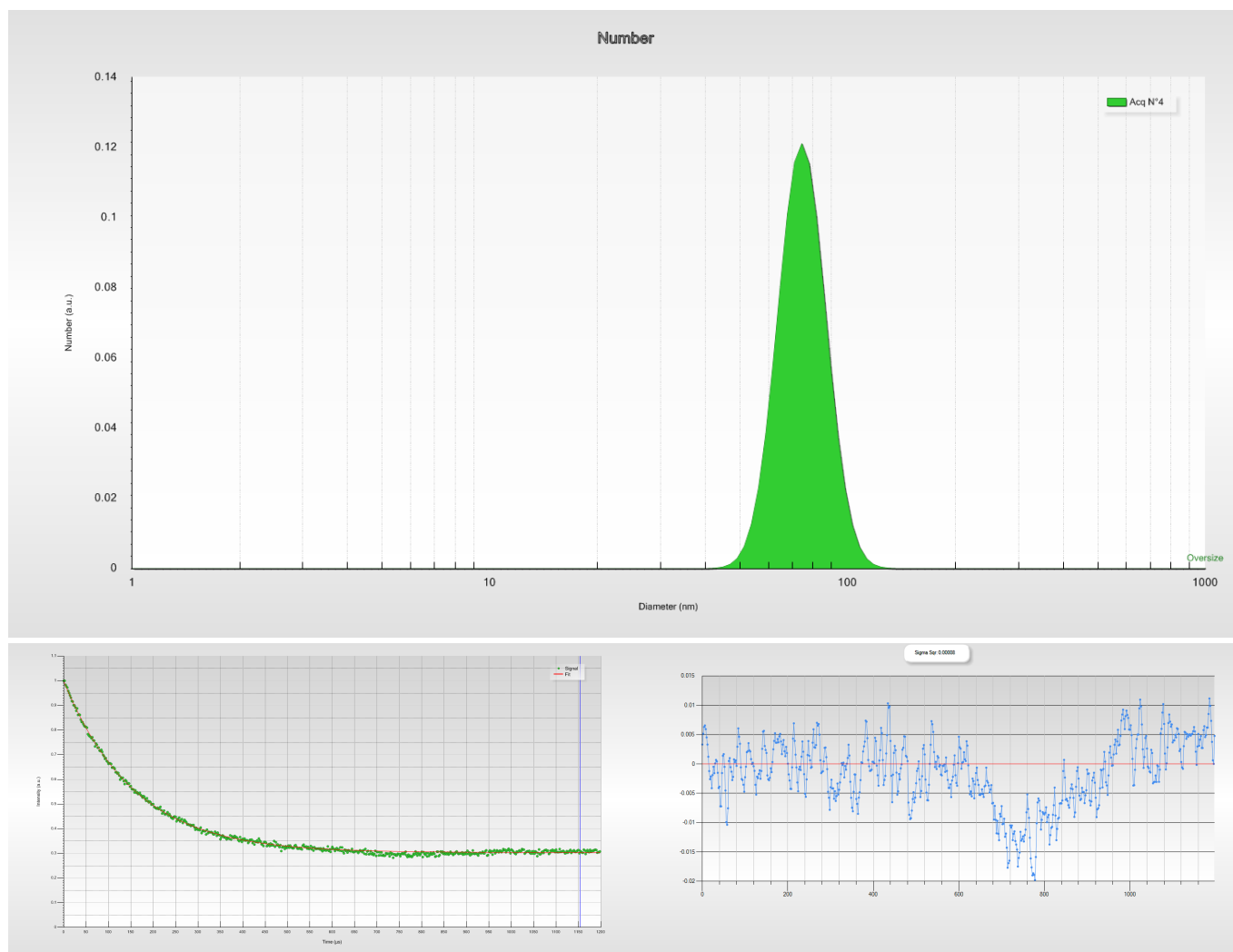
Di 50%: 85.45 nm

Di 90%: 102.81 nm

Std Dev: 14.9%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
81.8	0.69	3175.99	60.08468E-013



Distribution statistics

Dn 10%: 61.83 nm
Mean Number: 75.2 nm
PDI : 0.08883

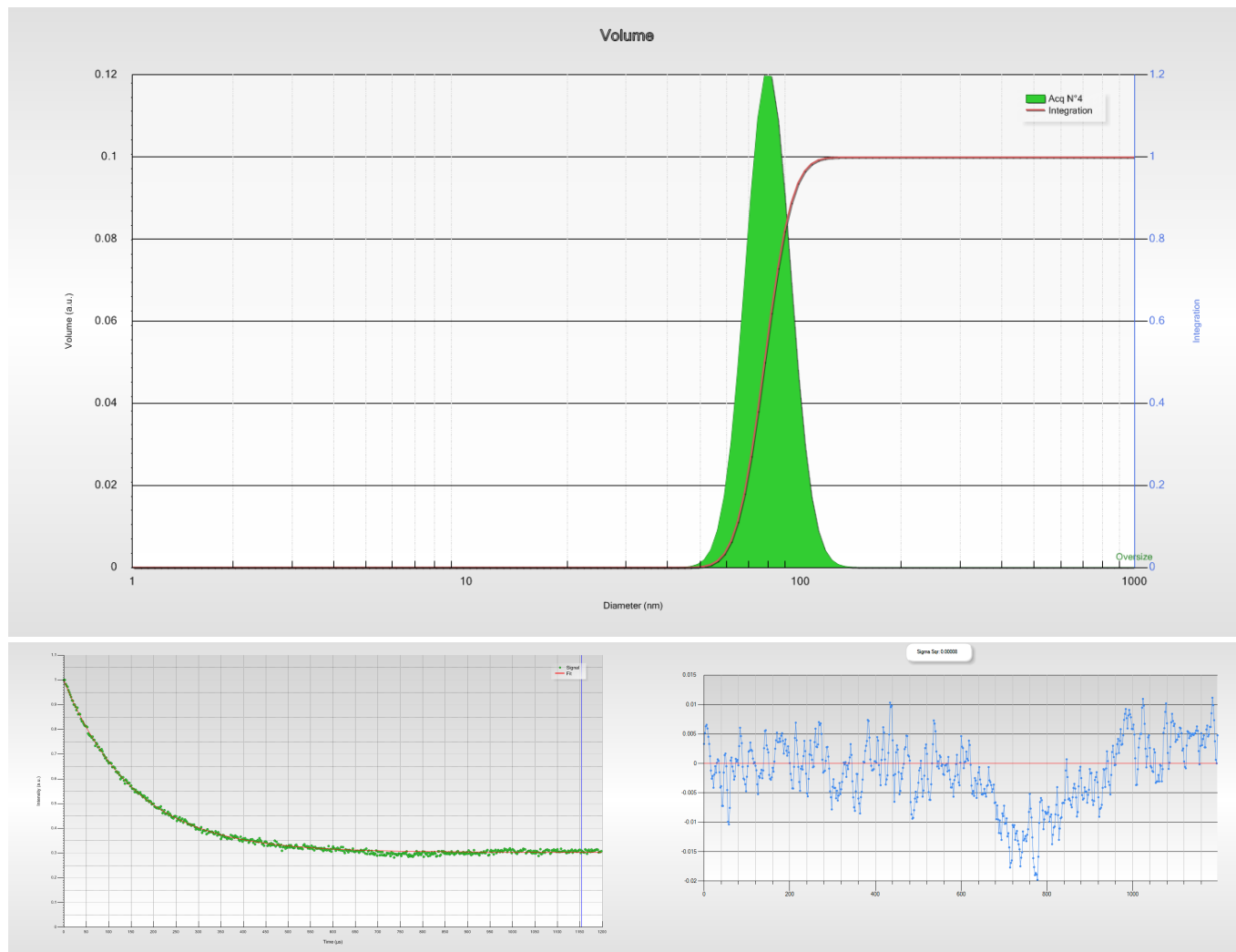
Dn 50%: 74.39 nm

Dn 90%: 89.5 nm

Std Dev: 14.9%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
81.8	0.69	3175.99	60.08468E-013

**Distribution statistics**

Dv 10%: 64.75 nm
Mean Volume: 80.62 nm
PDI : 0.08883

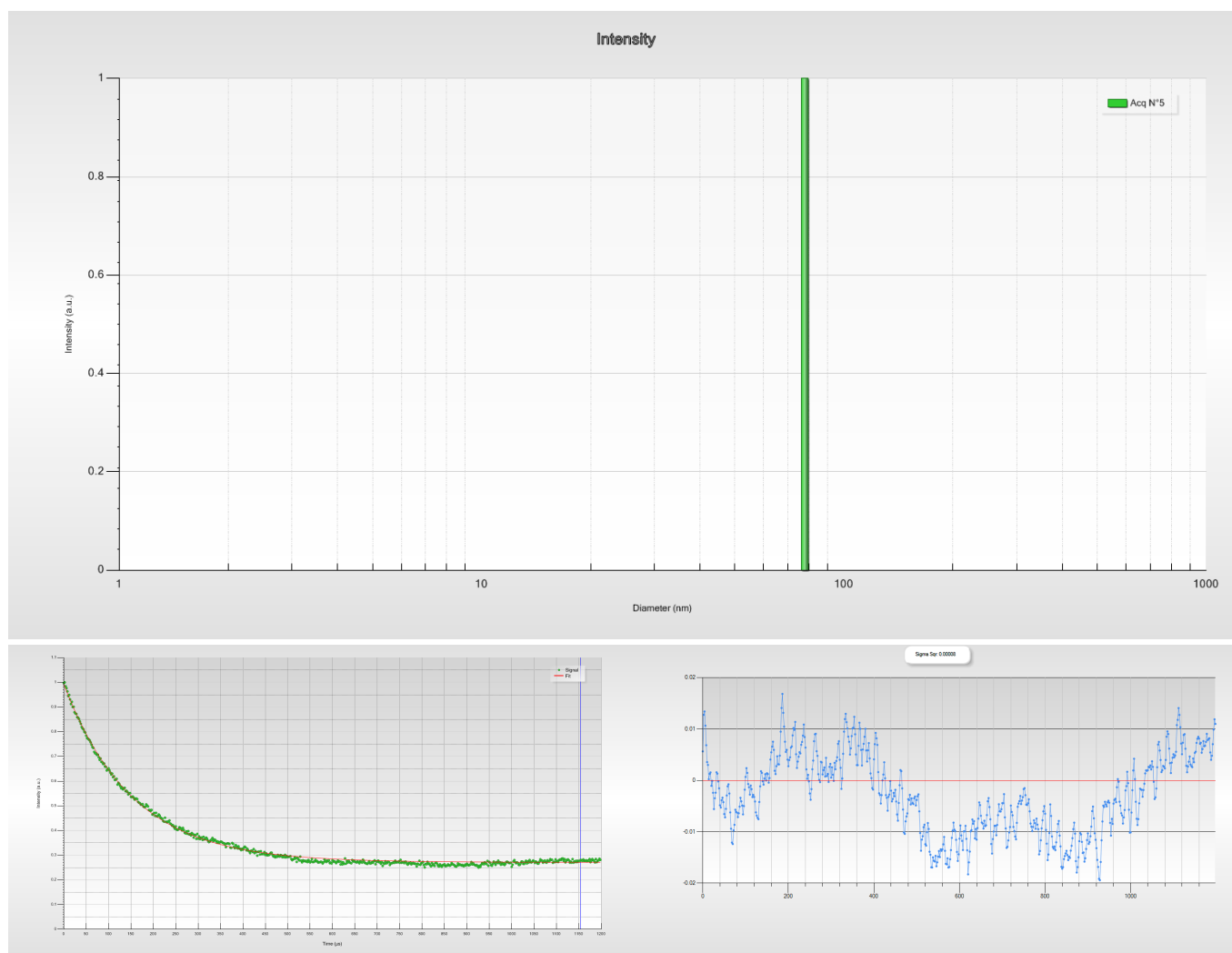
Dv 50%: 77.91 nm

Dv 90%: 98.17 nm

Std Dev: 14.9%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
81.8	0.69	3175.99	60.08468E-013



Dispersion statistics

Di 10%: 77.91 nm
Mean Intensity: 77.91 nm

Di 50%: 77.91 nm

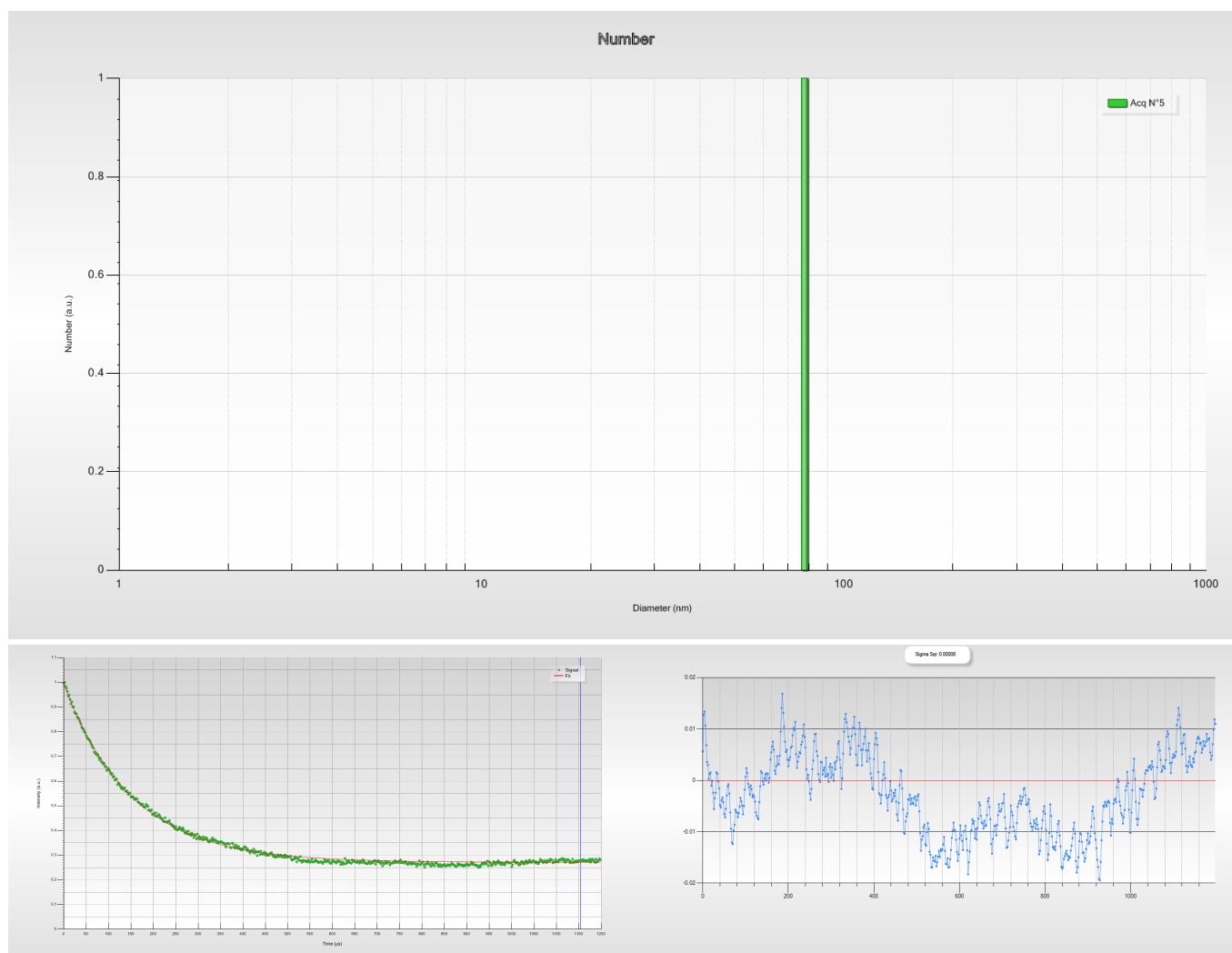
Di 90%: 77.91 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
79.19	0.85	3280.46	62.06097E-013

Dispersion datas

Size (nm)	Intensity
77.91	1



Dispersion statistics

Dn 10%: 77.91 nm
Mean Number: 77.91 nm

Dn 50%: 77.91 nm

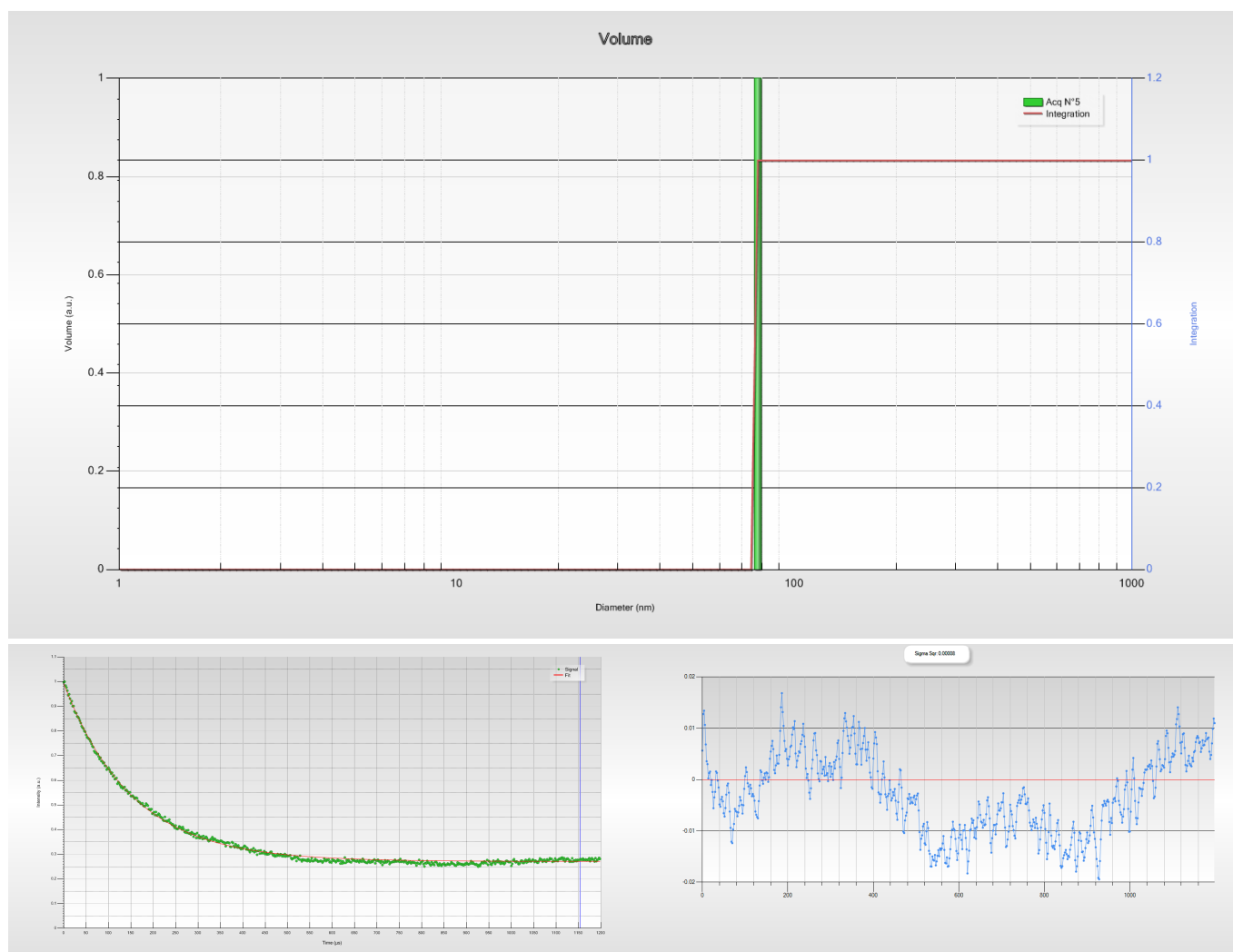
Dn 90%: 77.91 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
79.19	0.85	3280.46	62.06097E-013

Dispersion datas

Size (nm)	Number
77.91	1



Dispersion statistics

Dv 10%: 77.91 nm
Mean Volume: 77.91 nm

Dv 50%: 77.91 nm

Dv 90%: 77.91 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
79.19	0.85	3280.46	62.06097E-013

Dispersion datas

Size (nm)	Volume
77.91	1

**Distribution statistics**

Di 10%: 67.81 nm
Mean Intensity: 82.14 nm
PDI : 0.08387

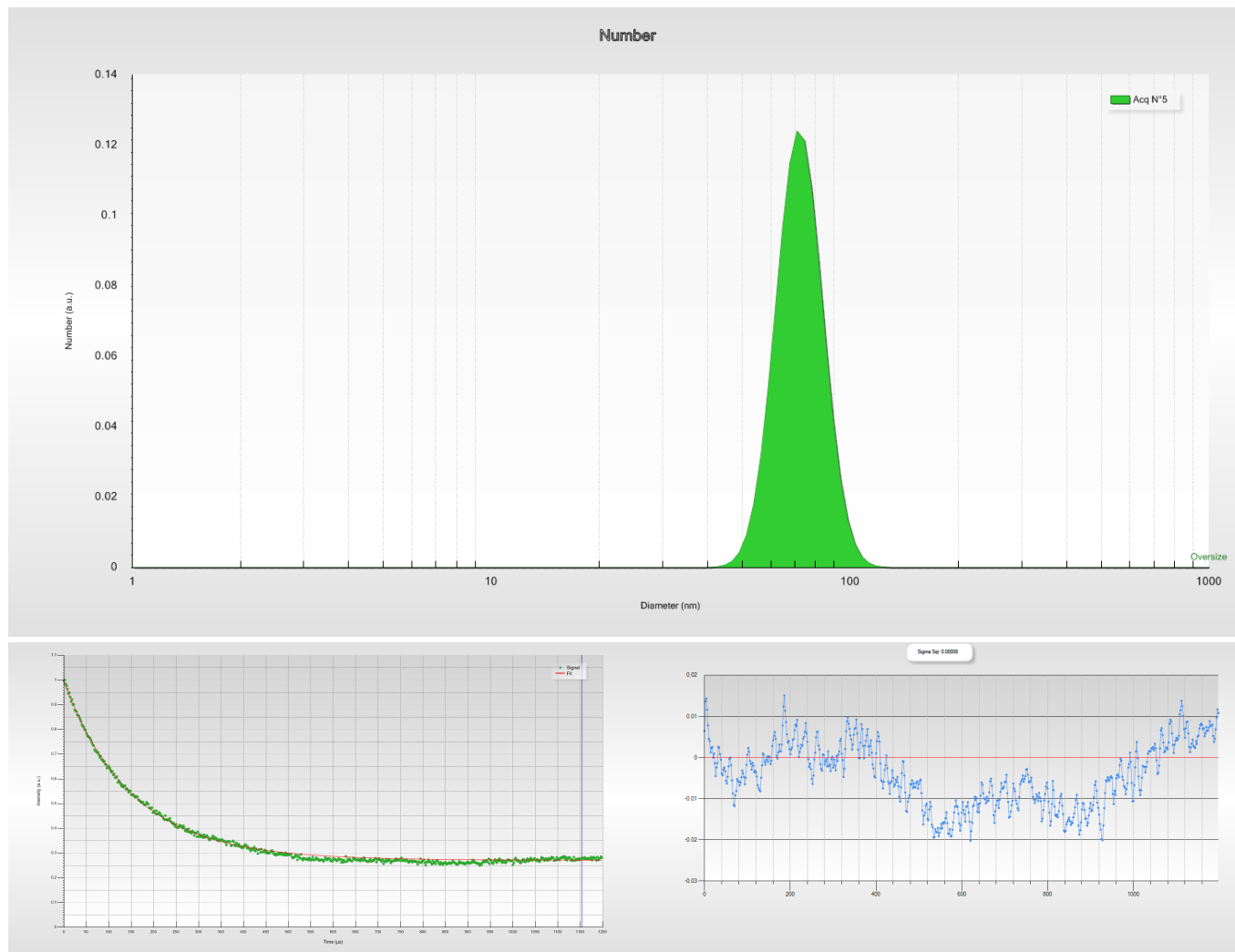
Di 50%: 81.59 nm

Di 90%: 98.17 nm

Std Dev: 14.48%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
78.78	0.72	3297.45	62.38232E-013

**Distribution statistics**

Dn 10%: 59.03 nm
Mean Number: 72.76 nm
PDI : 0.08387

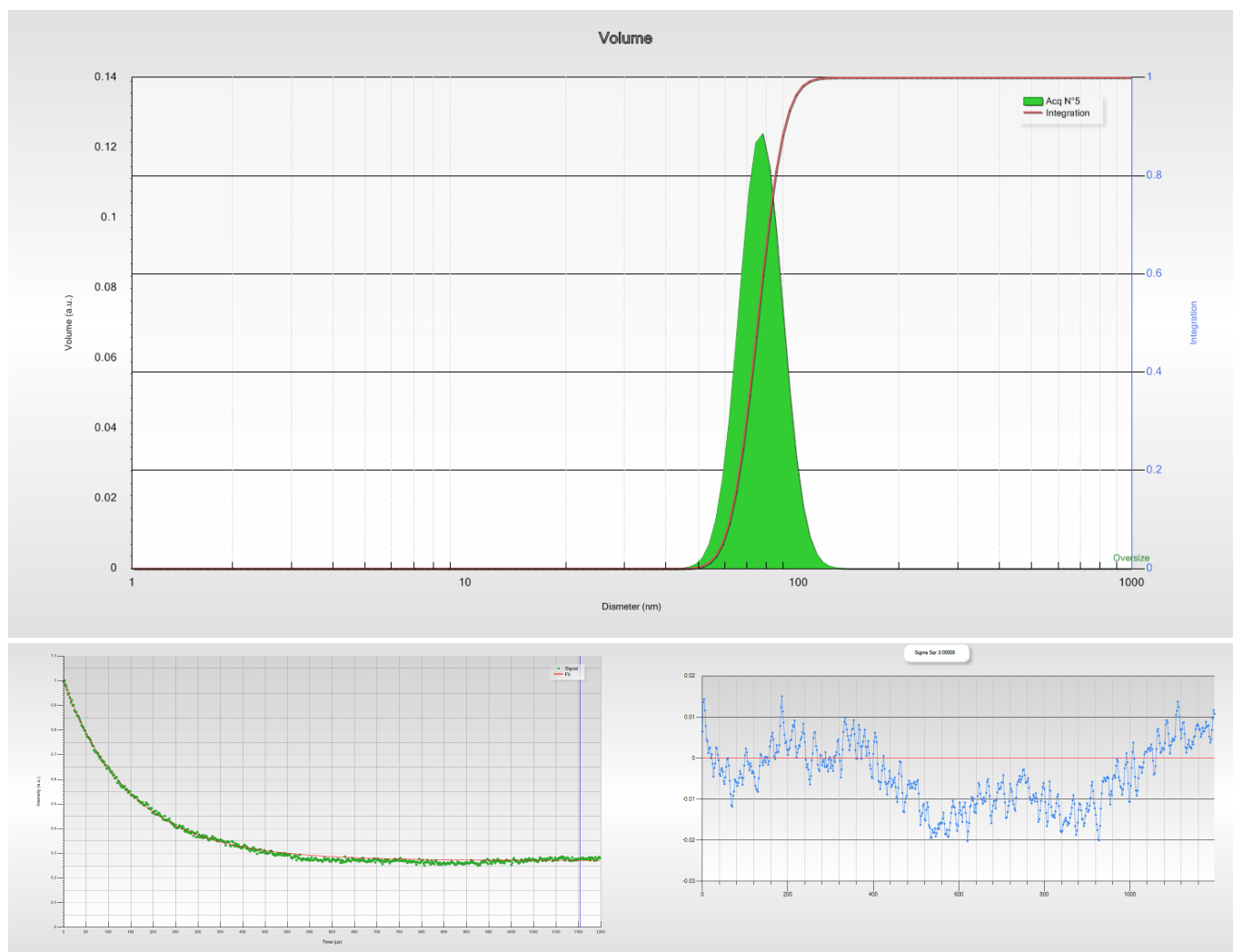
Dn 50%: 71.02 nm

Dn 90%: 85.45 nm

Std Dev: 14.48%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
78.78	0.72	3297.45	62.38232E-013



Distribution statistics

Dv 10%: 64.75 nm
Mean Volume: 77.71 nm
PDI : 0.08387

Dv 50%: 77.91 nm

Dv 90%: 93.73 nm

Std Dev: 14.48%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
78.78	0.72	3297.45	62.38232E-013