

Sample

Name : GNP_11.4.16_2.5_5k_3
Mesured On : 11.04.2016 18:03
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	: 100 %	Wavelength	: 657 nm
DTC Position	: UP		

Liquid Medium

Refractive index	: 1.331	Viscosity	: 0.888 cP
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Particles

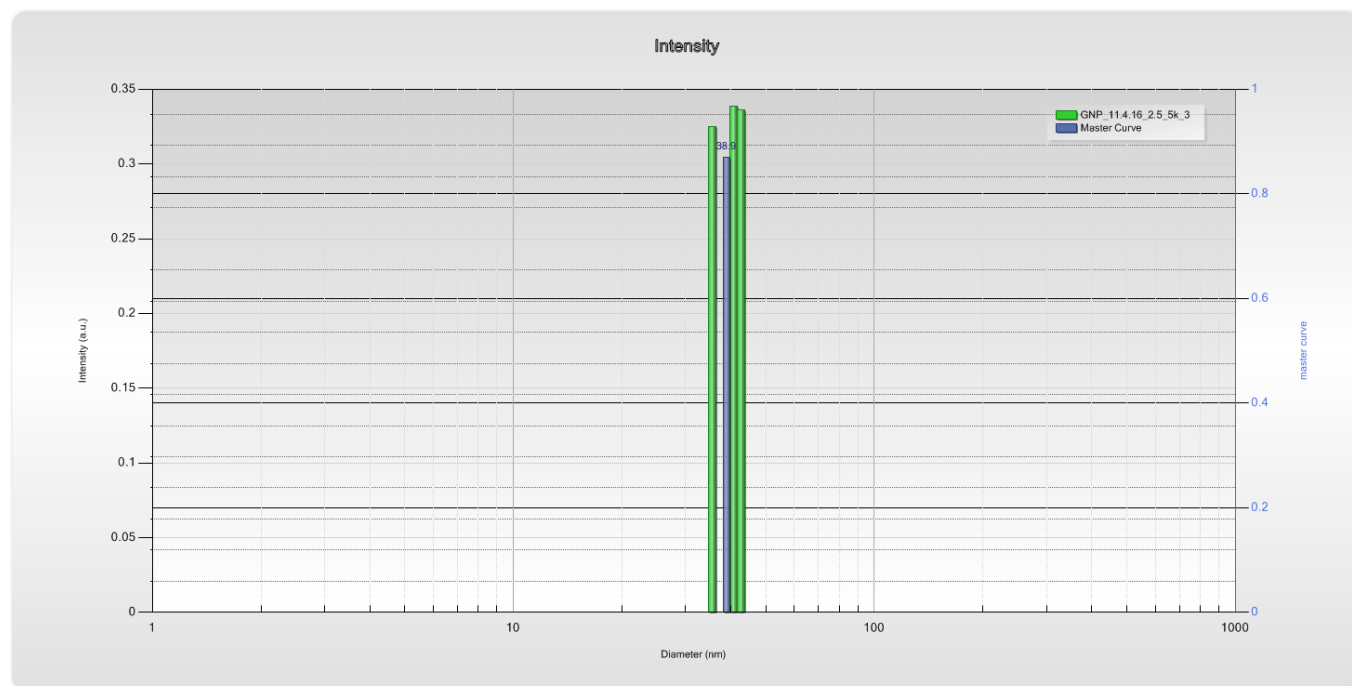
Real part	: 1.56	Imaginary part	: 0.01
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Algorithm

Pade Laplace	Cumulants
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Measurement

Average count rate : 2013 kcps	Duration : 00:05:09
Number of rejected : 2	Number of modified : 0



Dispersion statistics

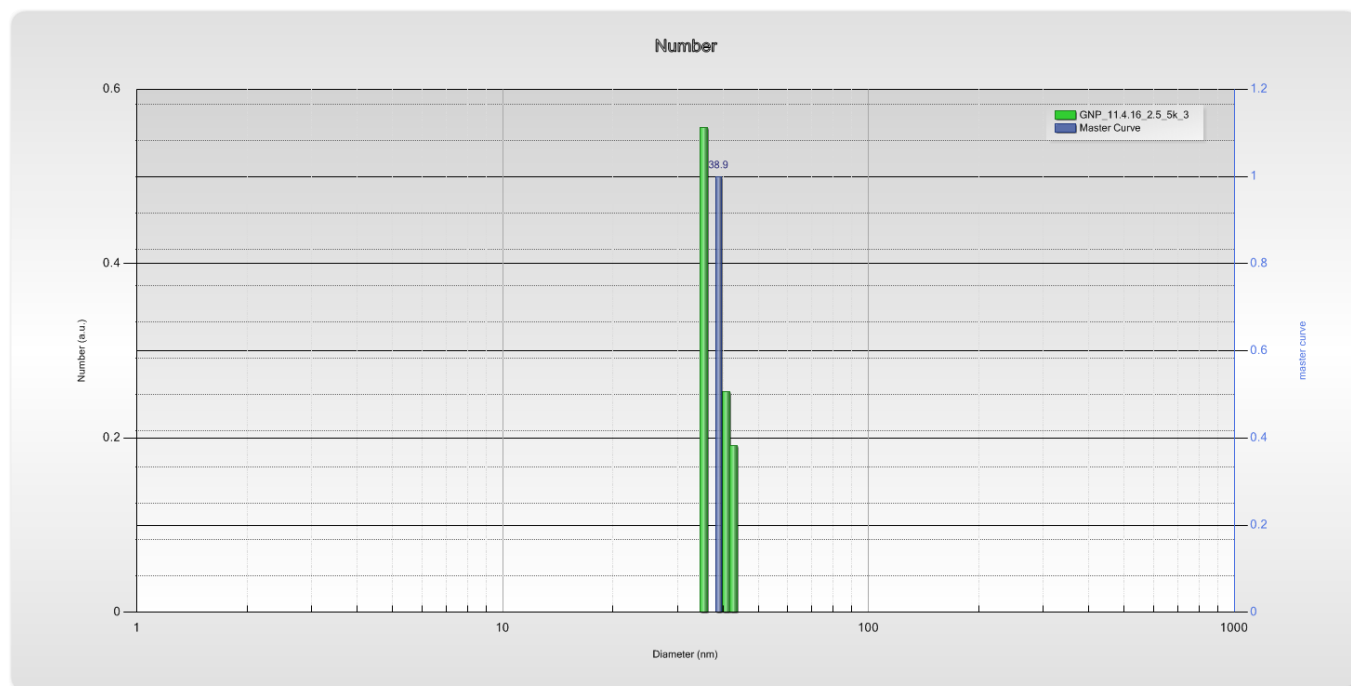
Di 10%: 35.5 nm

Di 50%: 40.78 nm

Di 90%: 42.71 nm

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity	Size (nm)	Intensity
35.5	0.32	40.78	0.34	42.71	0.34



Dispersion statistics

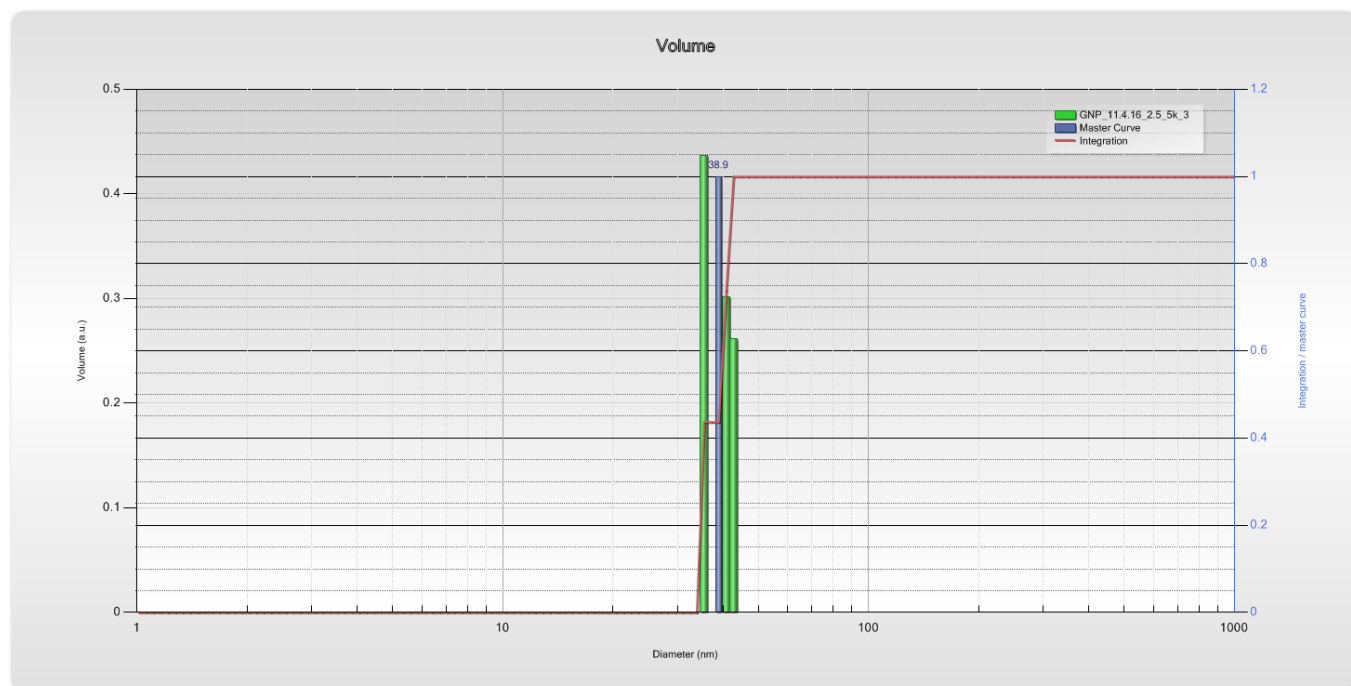
Dn 10%: 35.5 nm

Dn 50%: 35.5 nm

Dn 90%: 42.71 nm

Dispersion datas

Size (nm)	Number	Size (nm)	Number	Size (nm)	Number
35.5	0.56	40.78	0.25	42.71	0.19



Dispersion statistics

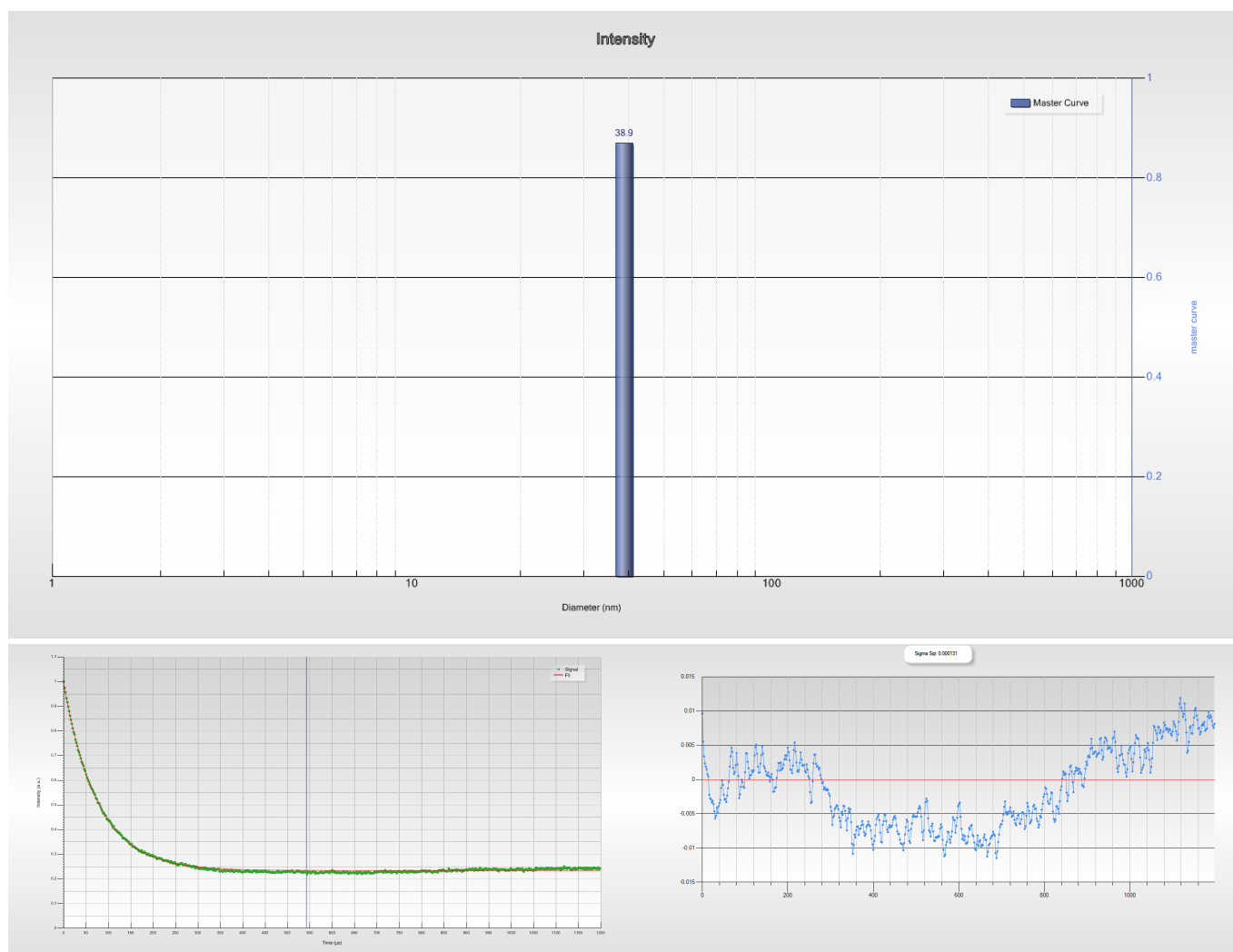
Dv 10%: 35.5 nm

Dv 50%: 40.78 nm

Dv 90%: 42.71 nm

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume	Size (nm)	Volume
35.5	0.44	40.78	0.3	42.71	0.26



Dispersion statistics

Di 10%: 38.94 nm
Mean Intensity: 38.94 nm

Di 50%: 38.94 nm

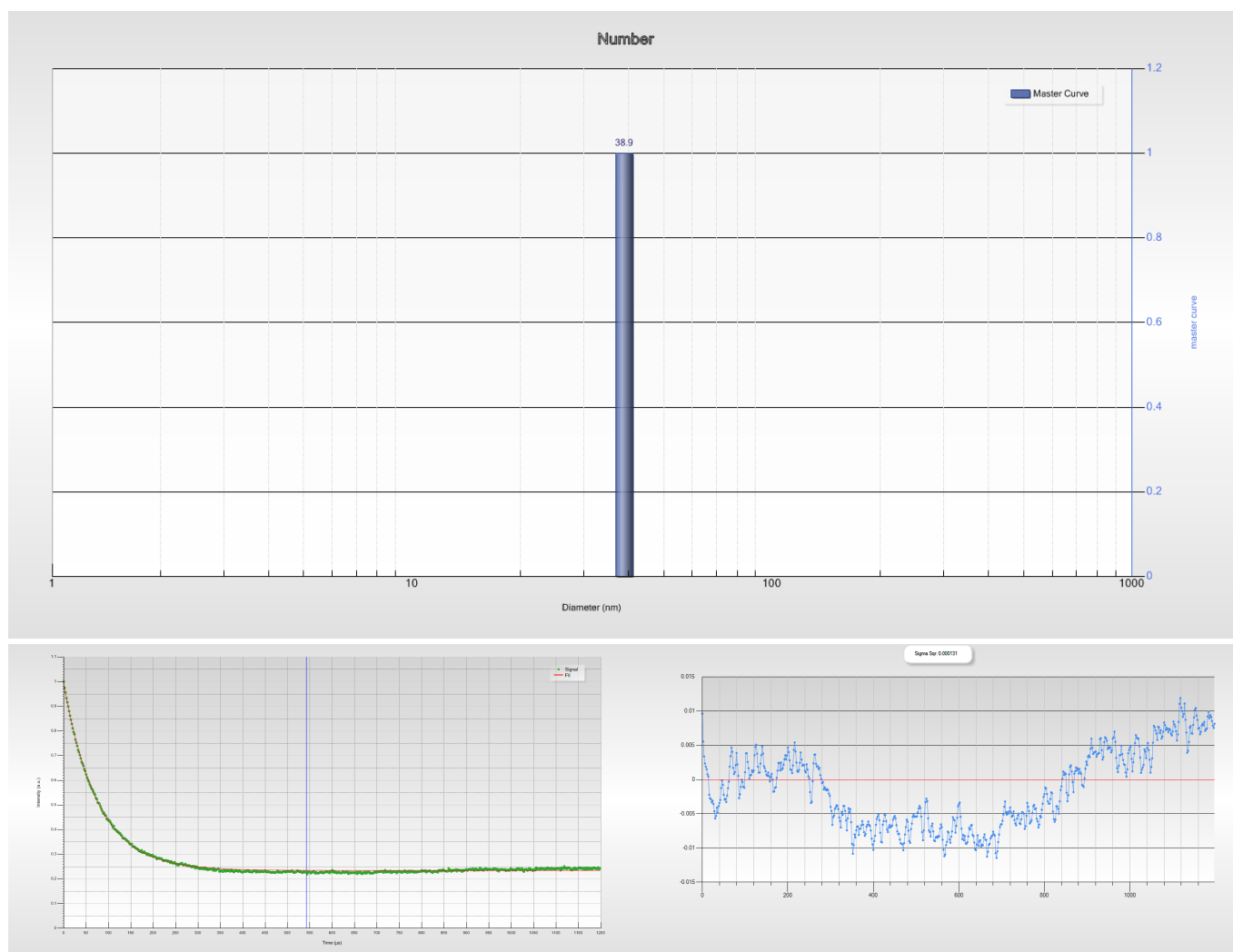
Di 90%: 38.94 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
39.52	0.87	6573.85	12.43666E-012

Dispersion datas

Size (nm)	Intensity
38.94	1



Dispersion statistics

Dn 10%: 38.94 nm
Mean Number: 38.94 nm

Dn 50%: 38.94 nm

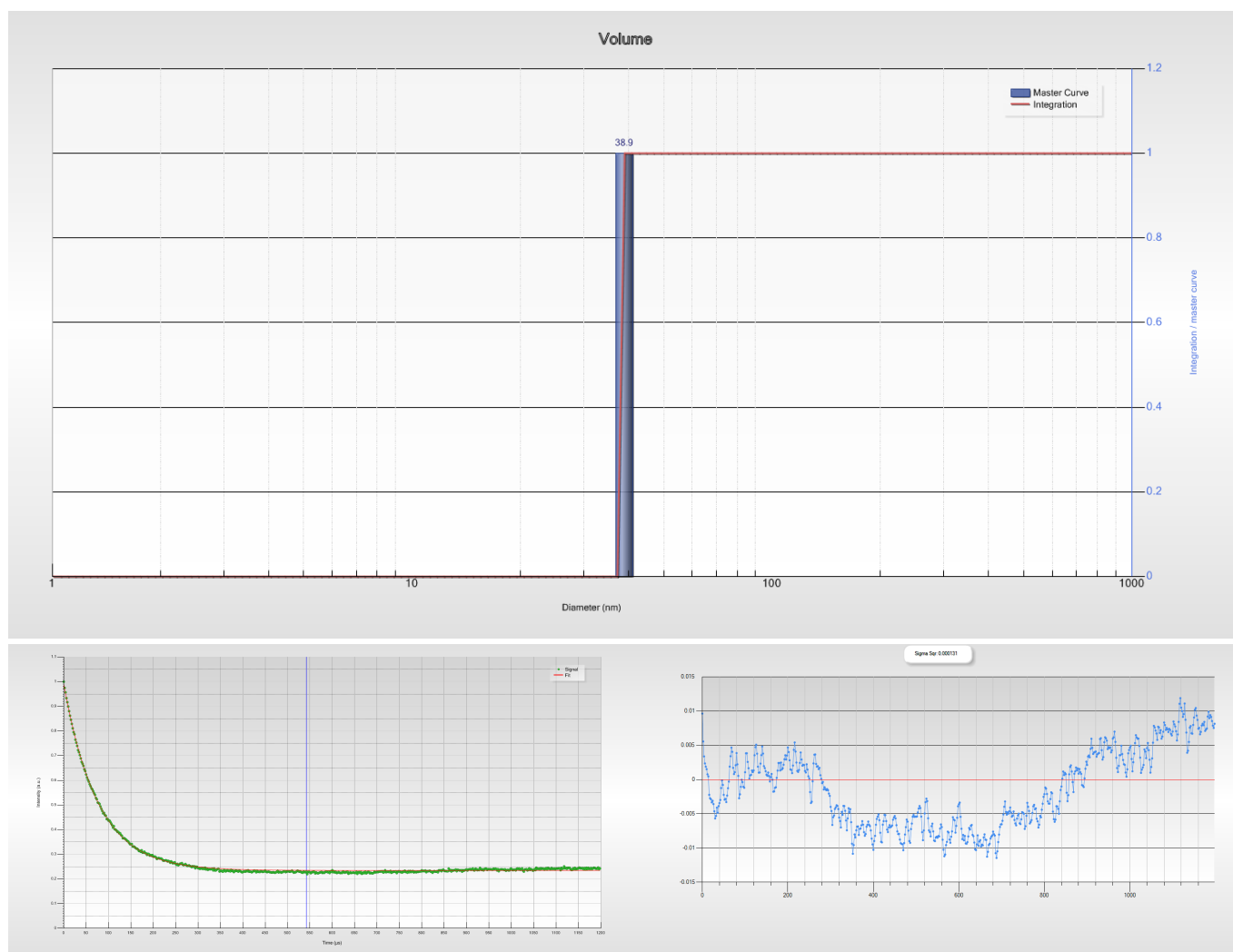
Dn 90%: 38.94 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
39.52	0.87	6573.85	12.43666E-012

Dispersion datas

Size (nm)	Number
38.94	1



Dispersion statistics

Dv 10%: 38.94 nm
Mean Volume: 38.94 nm

Dv 50%: 38.94 nm

Dv 90%: 38.94 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
39.52	0.87	6573.85	12.43666E-012

Dispersion datas

Size (nm)	Volume
38.94	1



Distribution statistics

Di 10%: 33.89 nm
Mean Intensity: 40.34 nm
PDI : 0.06089

Di 50%: 40.78 nm

Di 90%: 46.85 nm

Std Dev: 12.34%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
39.14	0.76	6639.49	12.56084E-012

**Distribution statistics**

Dn 10%: 30.9 nm
Mean Number: 36.88 nm
PDI : 0.06089

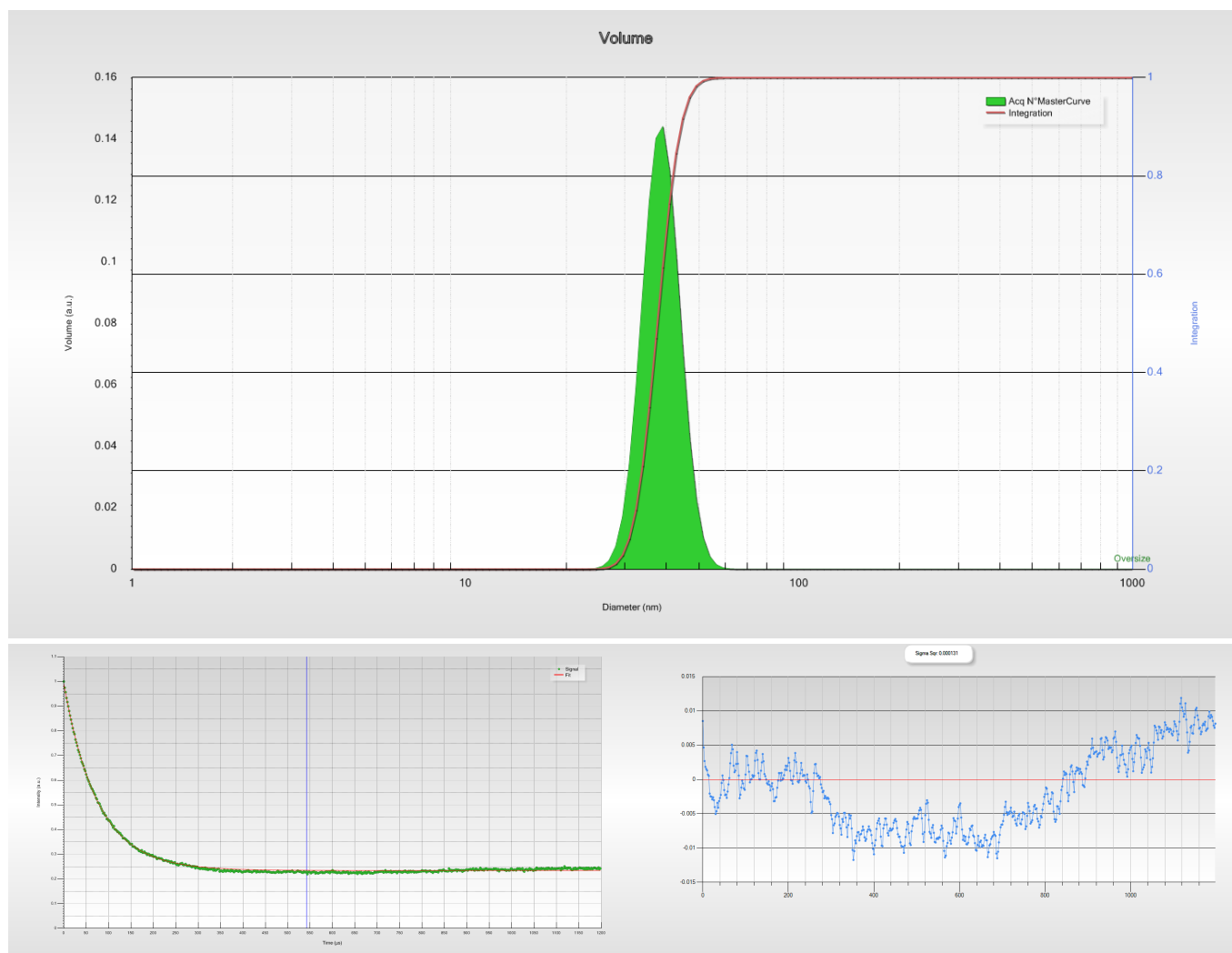
Dn 50%: 37.18 nm

Dn 90%: 42.71 nm

Std Dev: 12.34%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
39.14	0.76	6639.49	12.56084E-012



Distribution statistics

Dv 10%: 32.36 nm
Mean Volume: 38.71 nm
PDI : 0.06089

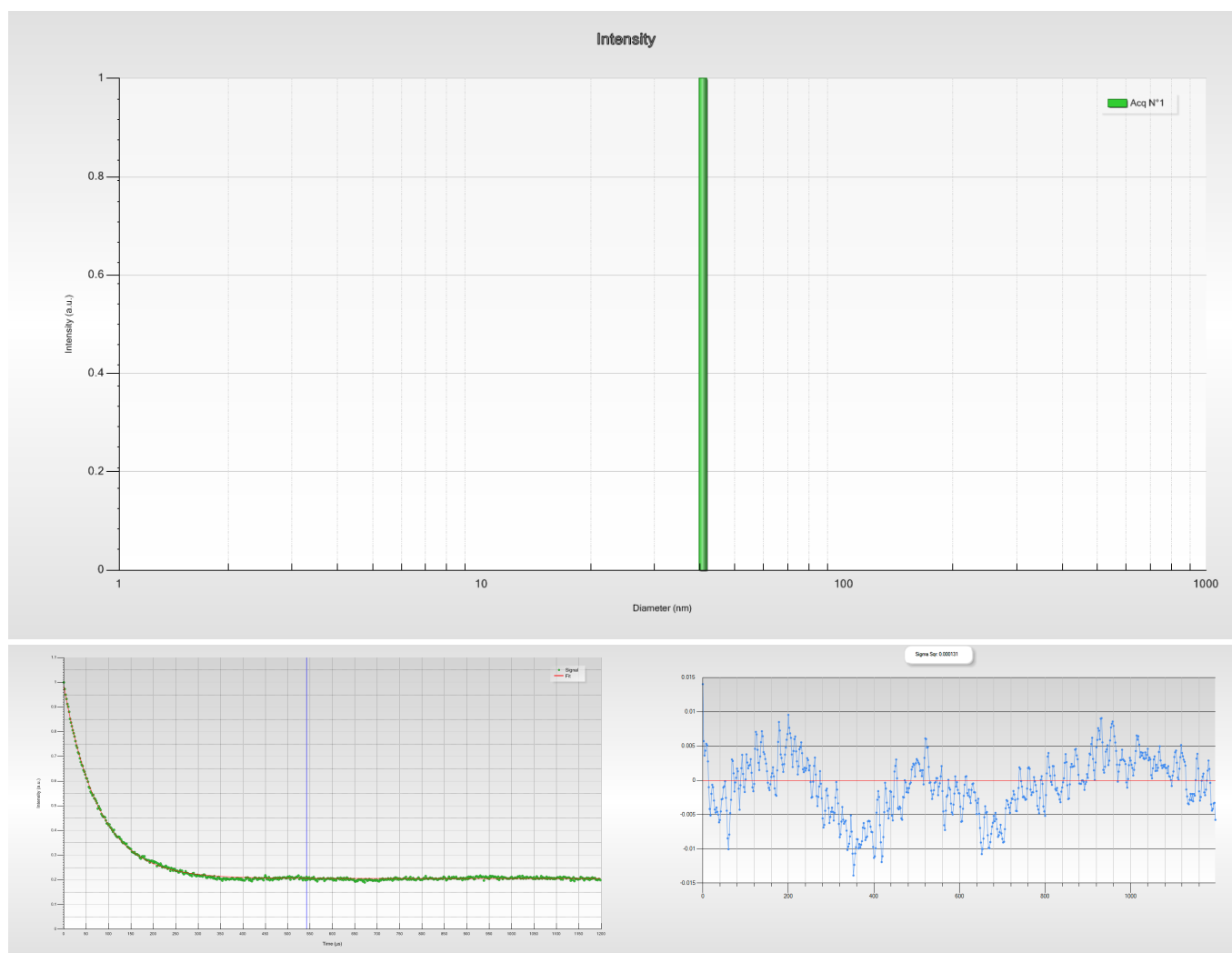
Dv 50%: 38.94 nm

Dv 90%: 44.73 nm

Std Dev: 12.34%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
39.14	0.76	6639.49	12.56084E-012



Dispersion statistics

Di 10%: 40.78 nm
Mean Intensity: 40.78 nm

Di 50%: 40.78 nm

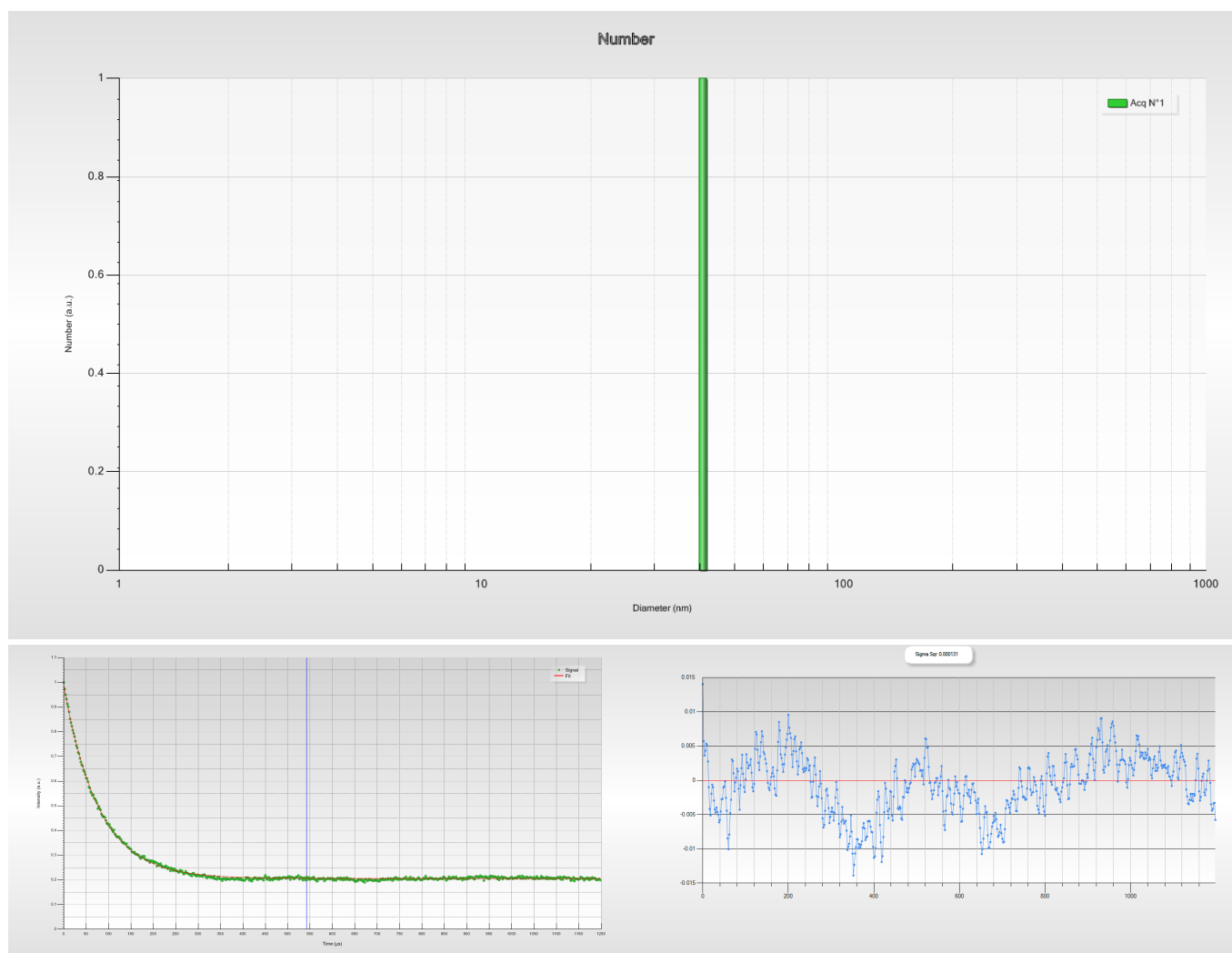
Di 90%: 40.78 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
40.61	0.88	6396.9	12.10189E-012

Dispersion datas

Size (nm)	Intensity
40.78	1



Dispersion statistics

Dn 10%: 40.78 nm
Mean Number: 40.78 nm

Dn 50%: 40.78 nm

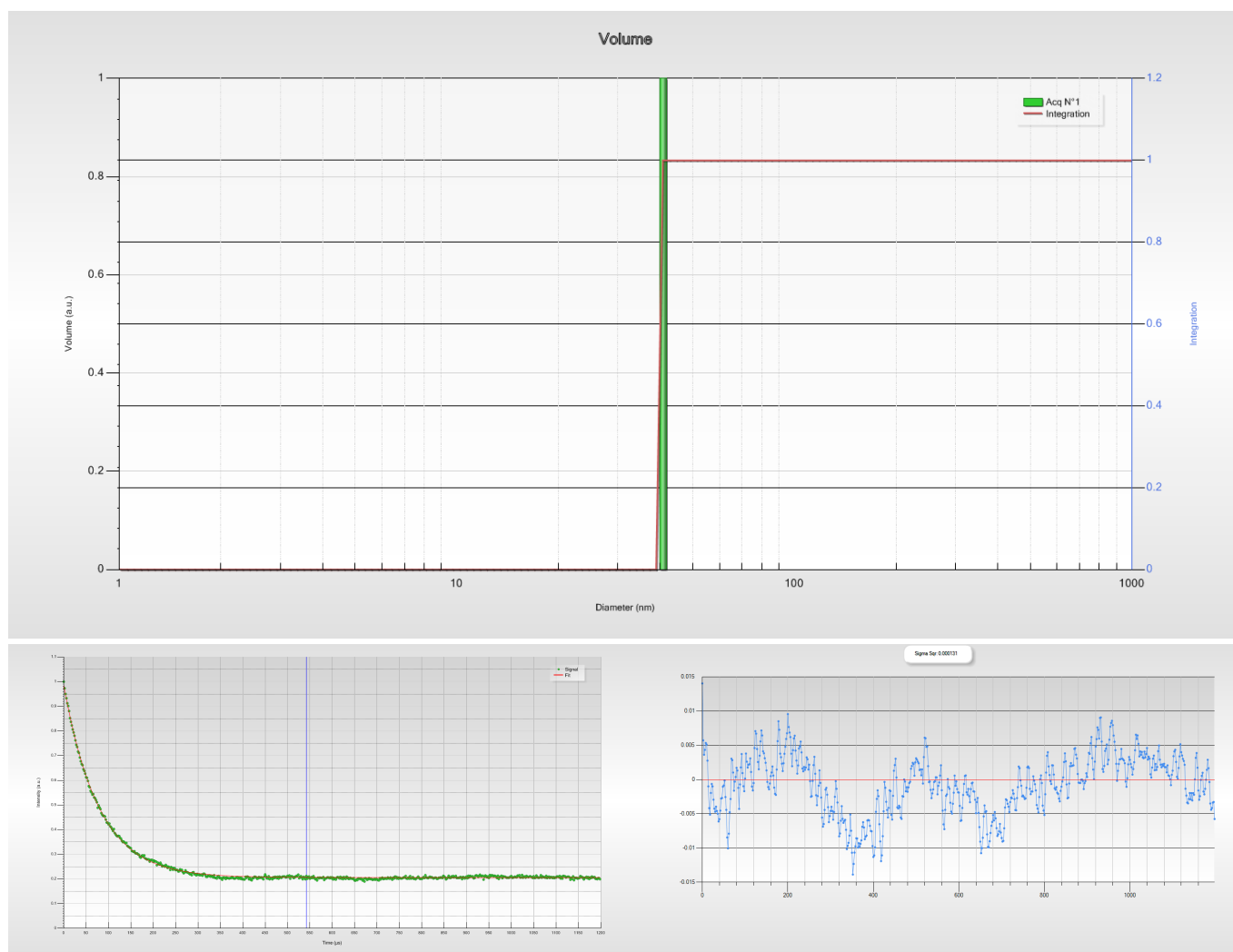
Dn 90%: 40.78 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
40.61	0.88	6396.9	12.10189E-012

Dispersion datas

Size (nm)	Number
40.78	1



Dispersion statistics

Dv 10%: 40.78 nm
Mean Volume: 40.78 nm

Dv 50%: 40.78 nm

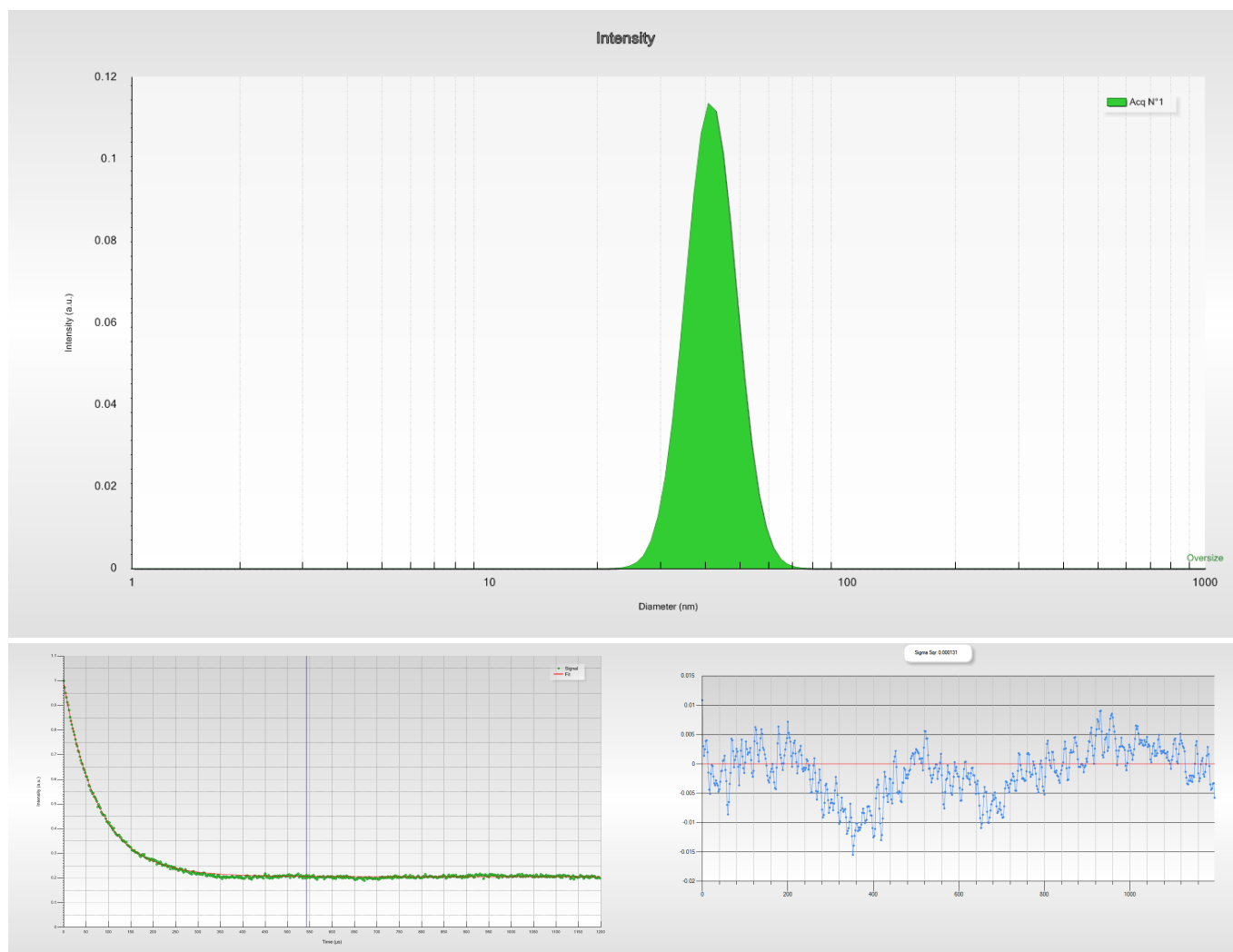
Dv 90%: 40.78 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
40.61	0.88	6396.9	12.10189E-012

Dispersion datas

Size (nm)	Volume
40.78	1

**Distribution statistics**

Di 10%: 33.89 nm
Mean Intensity: 41.92 nm
PDI : 0.10591

Di 50%: 40.78 nm

Di 90%: 51.39 nm

Std Dev: 16.27%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
39.77	0.78	6531.73	12.35698E-012



Distribution statistics

Dn 10%: 28.17 nm
Mean Number: 35.88 nm
PDI : 0.10591

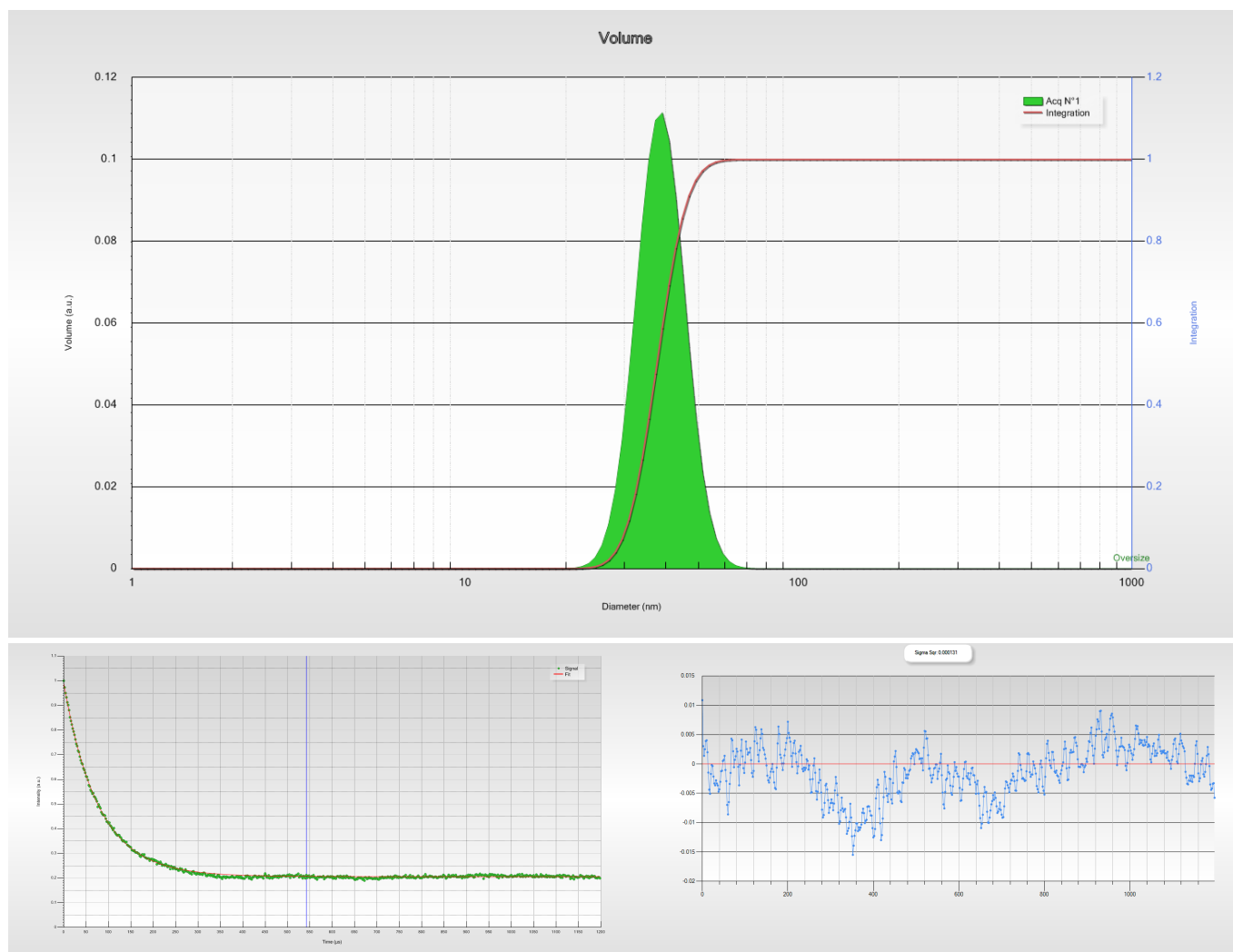
Dn 50%: 35.5 nm

Dn 90%: 42.71 nm

Std Dev: 16.27%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
39.77	0.78	6531.73	12.35698E-012

**Distribution statistics**

Dv 10%: 30.9 nm
Mean Volume: 38.94 nm
PDI : 0.10591

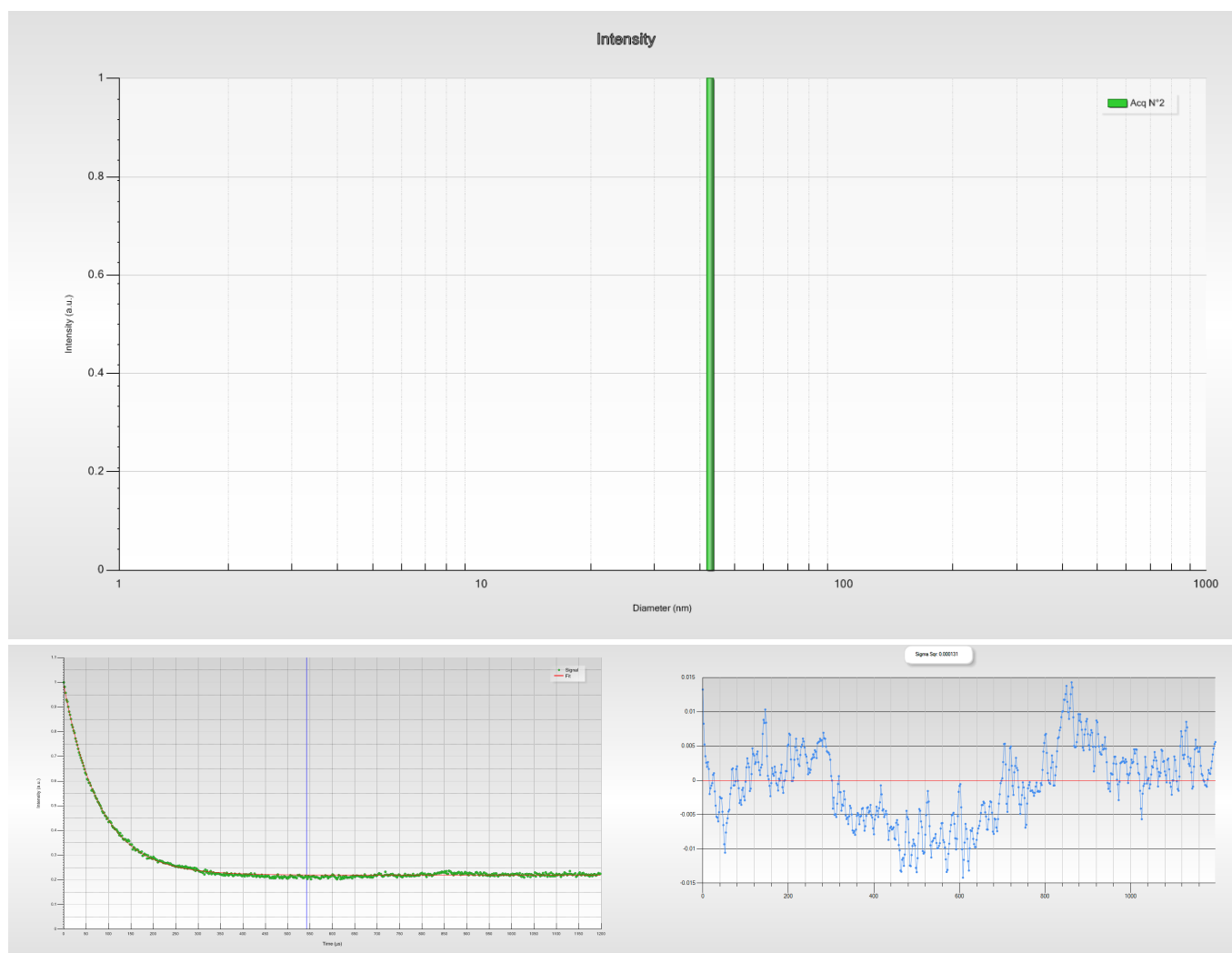
Dv 50%: 38.94 nm

Dv 90%: 46.85 nm

Std Dev: 16.27%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
39.77	0.78	6531.73	12.35698E-012



Dispersion statistics

Di 10%: 42.71 nm
Mean Intensity: 42.71 nm

Di 50%: 42.71 nm

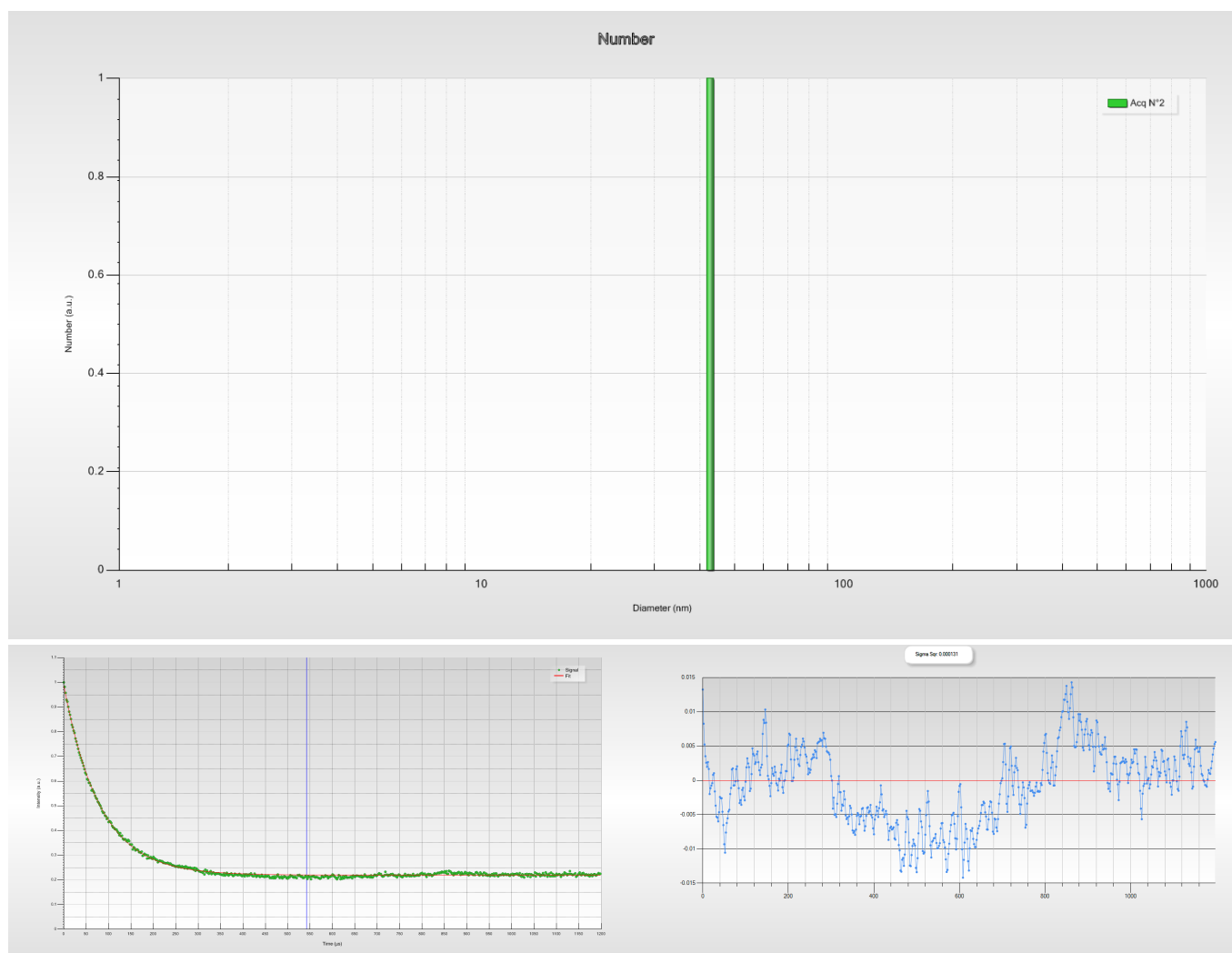
Di 90%: 42.71 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
41.79	0.88	6215.98	11.75963E-012

Dispersion datas

Size (nm)	Intensity
42.71	1



Dispersion statistics

Dn 10%: 42.71 nm
Mean Number: 42.71 nm

Dn 50%: 42.71 nm

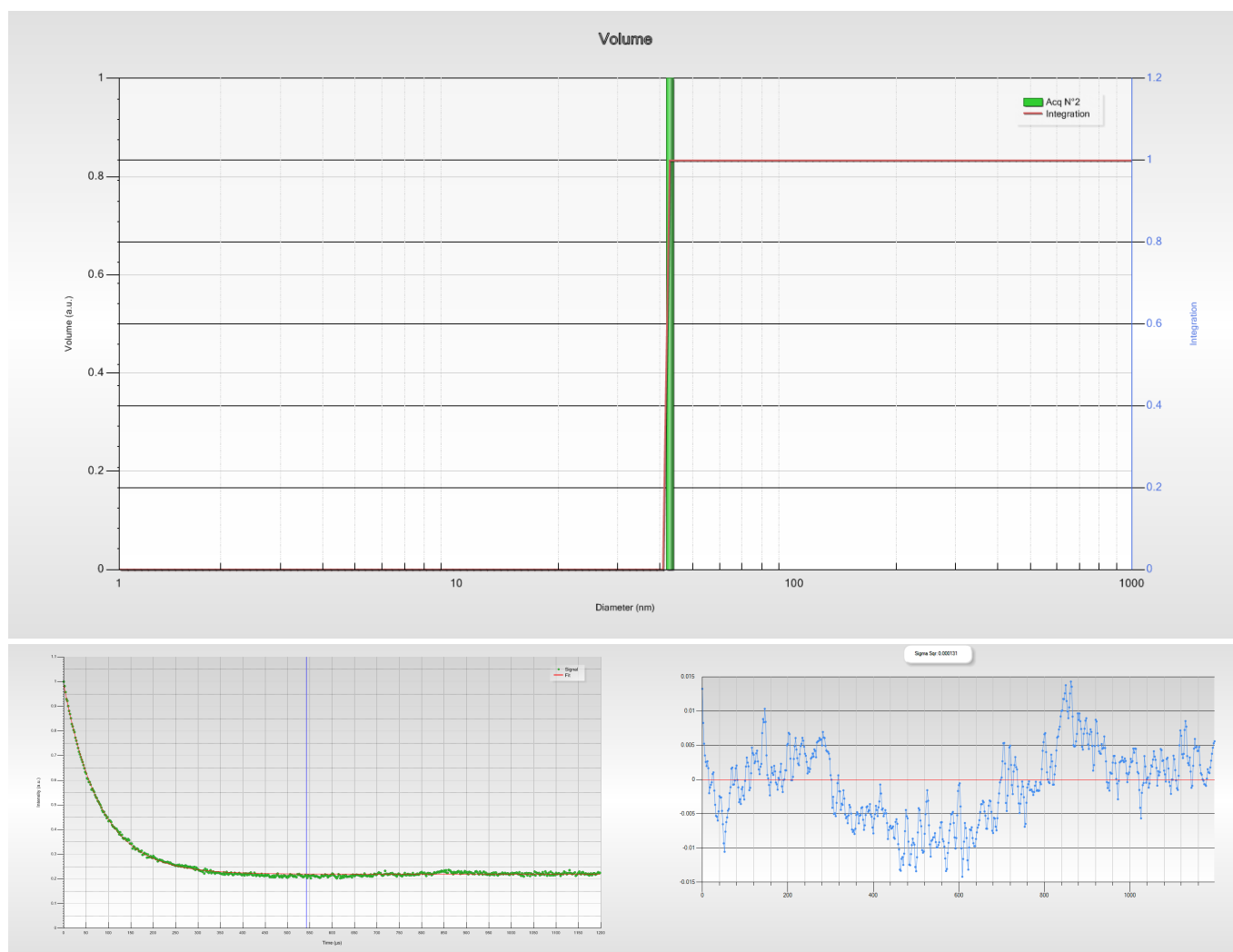
Dn 90%: 42.71 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
41.79	0.88	6215.98	11.75963E-012

Dispersion datas

Size (nm)	Number
42.71	1



Dispersion statistics

Dv 10%: 42.71 nm
Mean Volume: 42.71 nm

Dv 50%: 42.71 nm

Dv 90%: 42.71 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
41.79	0.88	6215.98	11.75963E-012

Dispersion datas

Size (nm)	Volume
42.71	1



Distribution statistics

Di 10%: 33.89 nm
Mean Intensity: 43.51 nm
PDI : 0.14567

Di 50%: 42.71 nm

Di 90%: 53.82 nm

Std Dev: 19.08%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
40.49	0.77	6415.47	12.13703E-012

**Distribution statistics**

Dn 10%: 26.9 nm
Mean Number: 35.16 nm
PDI : 0.14567

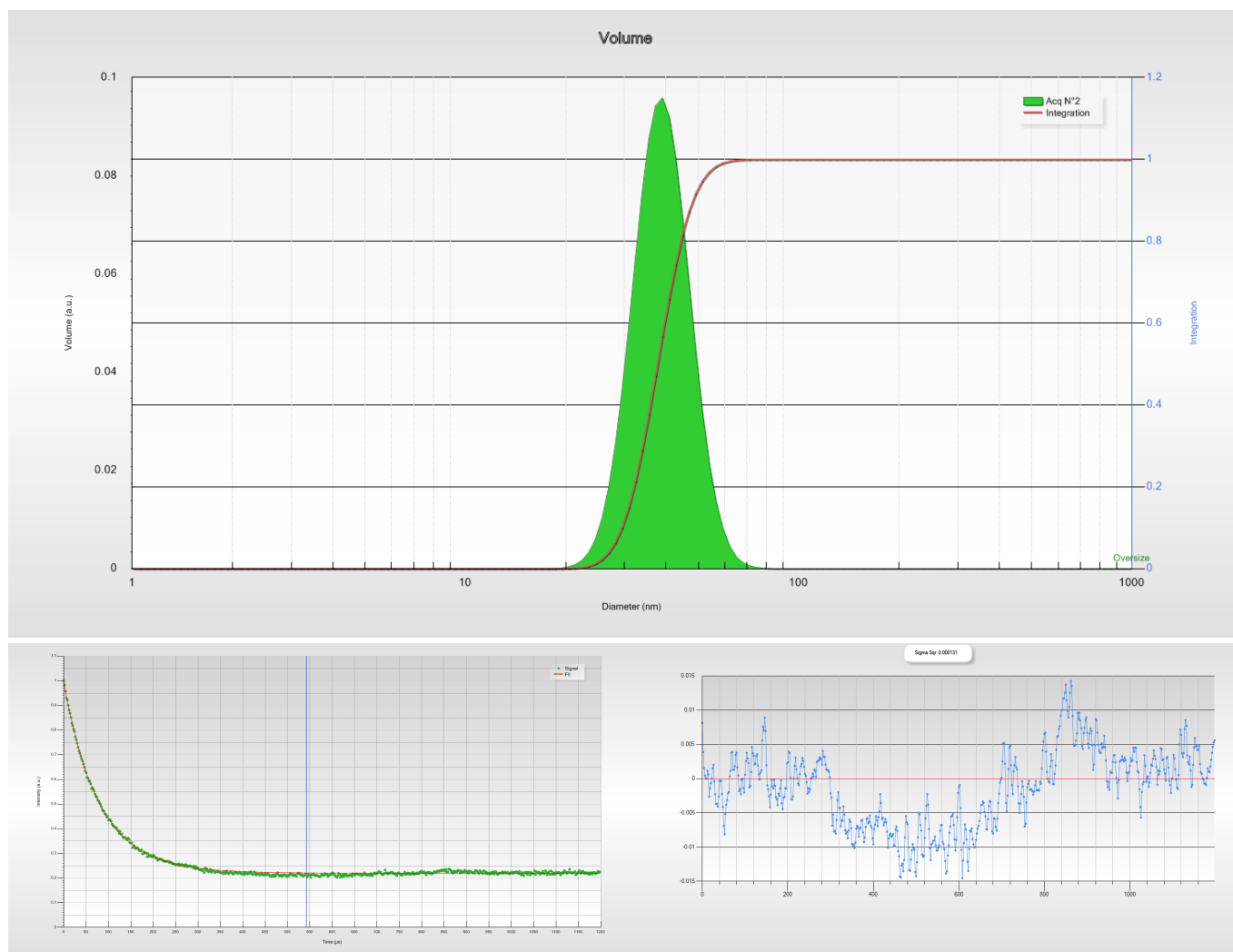
Dn 50%: 33.89 nm

Dn 90%: 44.73 nm

Std Dev: 19.08%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
40.49	0.77	6415.47	12.13703E-012

**Distribution statistics**

Dv 10%: 29.5 nm
Mean Volume: 39.28 nm
PDI : 0.14567

Dv 50%: 38.94 nm

Dv 90%: 49.06 nm

Std Dev: 19.08%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
40.49	0.77	6415.47	12.13703E-012



Dispersion statistics

Di 10%: 13.44 nm
Mean Intensity: 45.78 nm

Di 50%: 51.39 nm

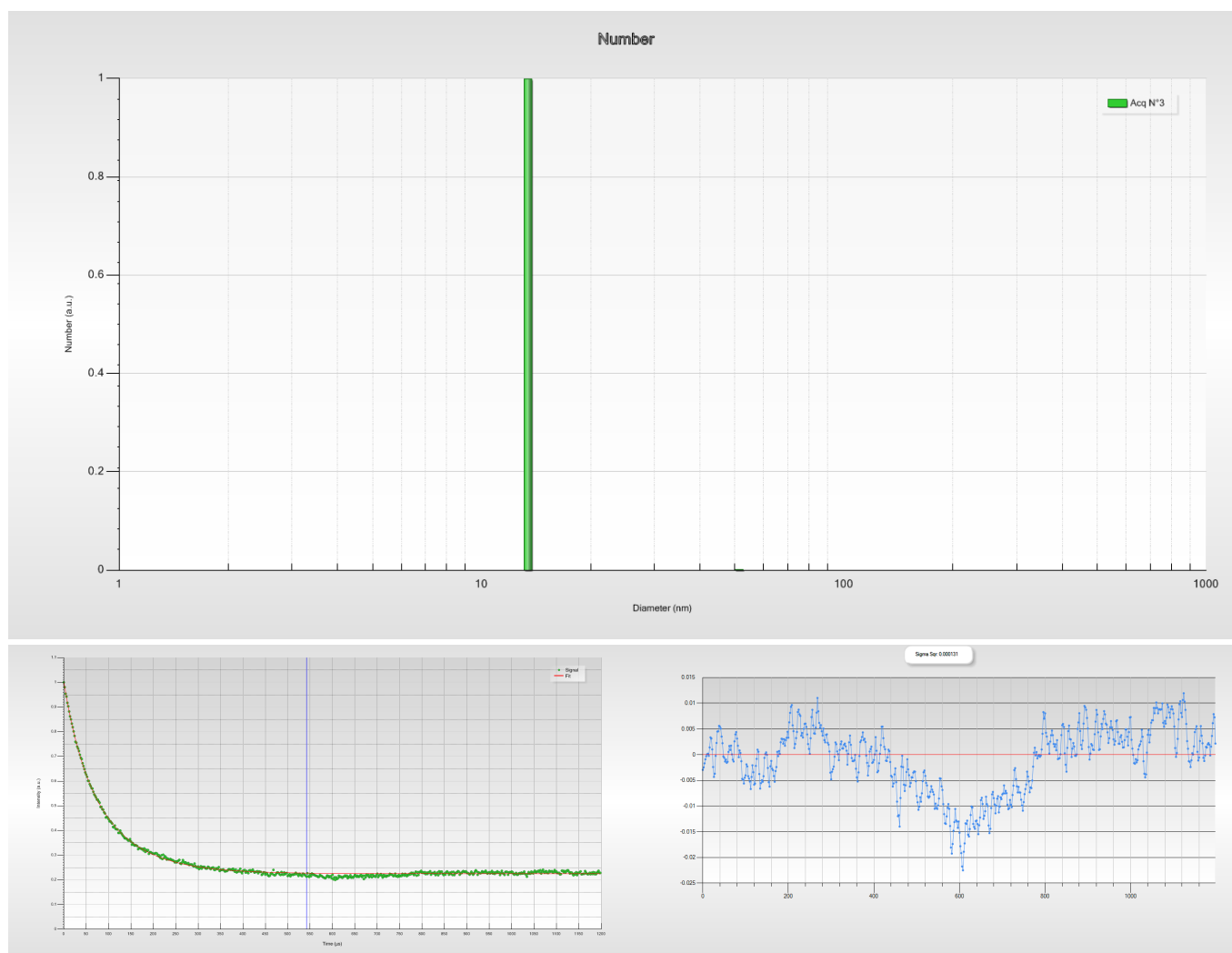
Di 90%: 51.39 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
13.21	0.13	19660.36	37.19421E-012
51.73	0.75	5021.91	95.00636E-013

Dispersion datas

Size (nm)	Intensity	Size (nm)	Intensity
13.44	0.15	51.39	0.85



Dispersion statistics

Dn 10%: 13.44 nm
Mean Number: 13.52 nm

Dn 50%: 13.44 nm

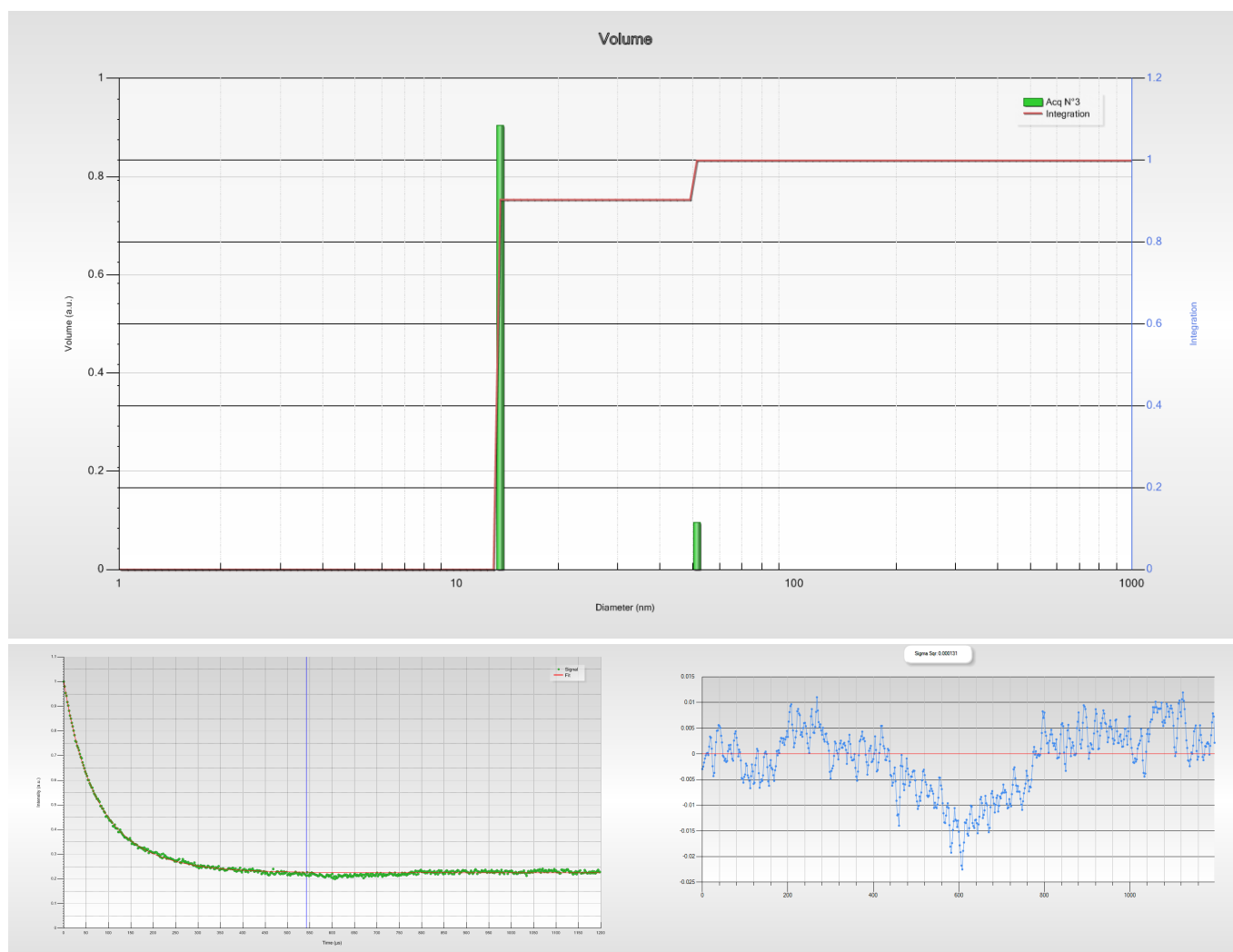
Dn 90%: 13.44 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
13.21	0.13	19660.36	37.19421E-012
51.73	0.75	5021.91	95.00636E-013

Dispersion datas

Size (nm)	Number
13.44	1



Dispersion statistics

Dv 10%: 13.44 nm
Mean Volume: 17.09 nm

Dv 50%: 13.44 nm

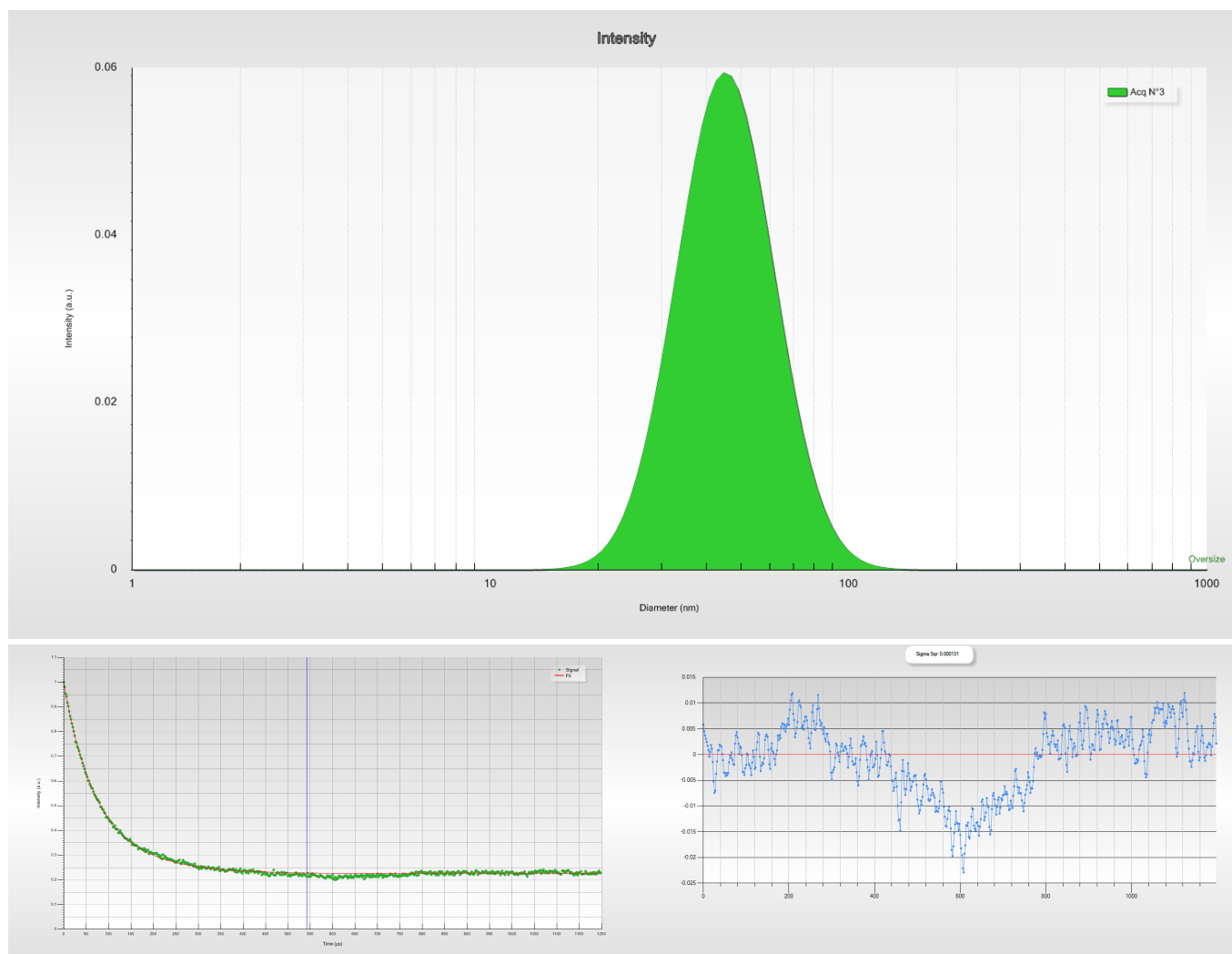
Dv 90%: 13.44 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
13.21	0.13	19660.36	37.19421E-012
51.73	0.75	5021.91	95.00636E-013

Dispersion datas

Size (nm)	Volume	Size (nm)	Volume
13.44	0.9	51.39	0.1

**Distribution statistics**

Di 10%: 30.9 nm
Mean Intensity: 47.37 nm
PDI : 0.40421

Di 50%: 44.73 nm

Di 90%: 67.81 nm

Std Dev: 31.79%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
39.06	0.77	6650.64	12.58193E-012

**Distribution statistics**

Dn 10%: 16.94 nm
Mean Number: 26.65 nm
PDI : 0.40421

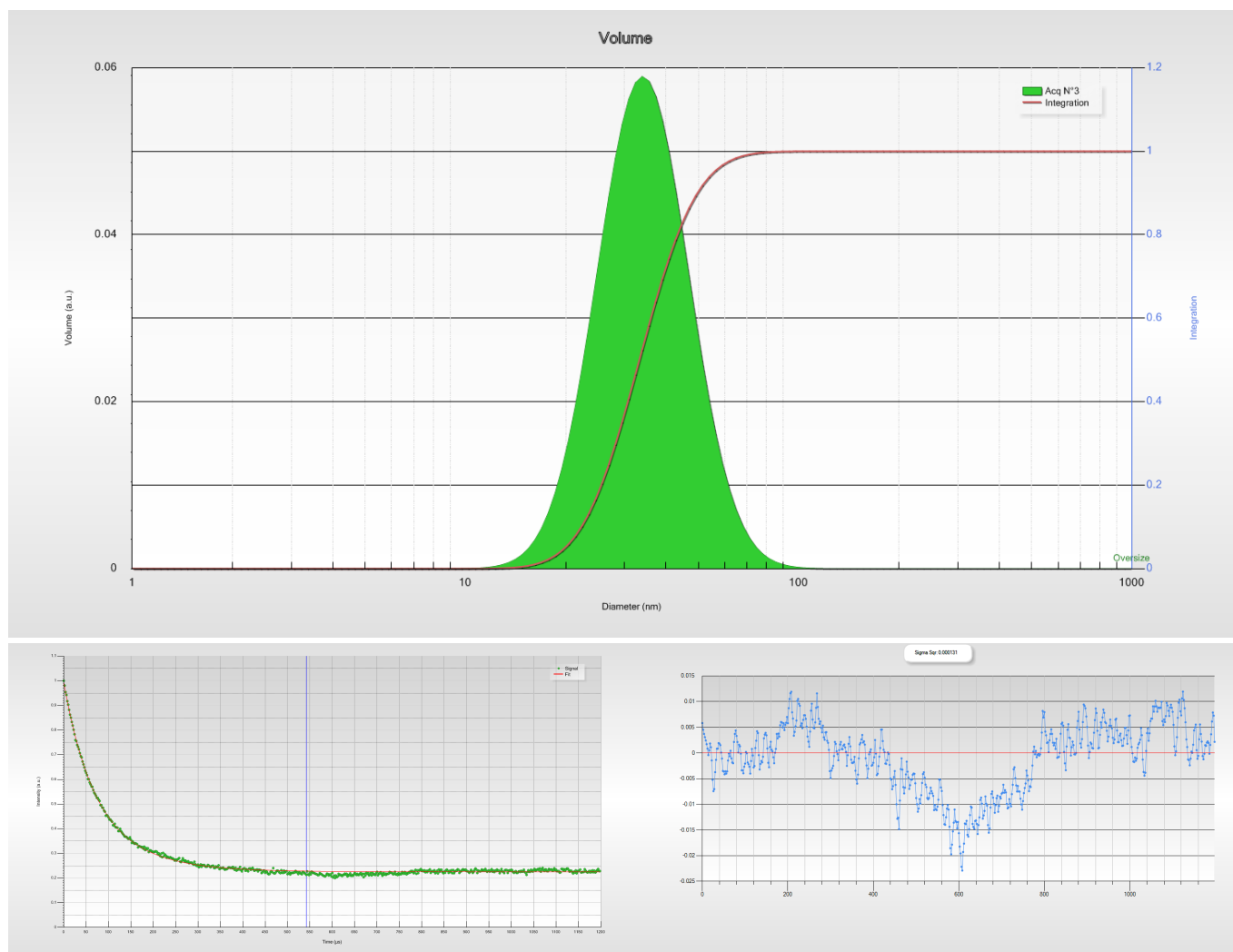
Dn 50%: 25.68 nm

Dn 90%: 37.18 nm

Std Dev: 31.79%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
39.06	0.77	6650.64	12.58193E-012

**Distribution statistics**

Dv 10%: 22.36 nm
Mean Volume: 35.74 nm
PDI : 0.40421

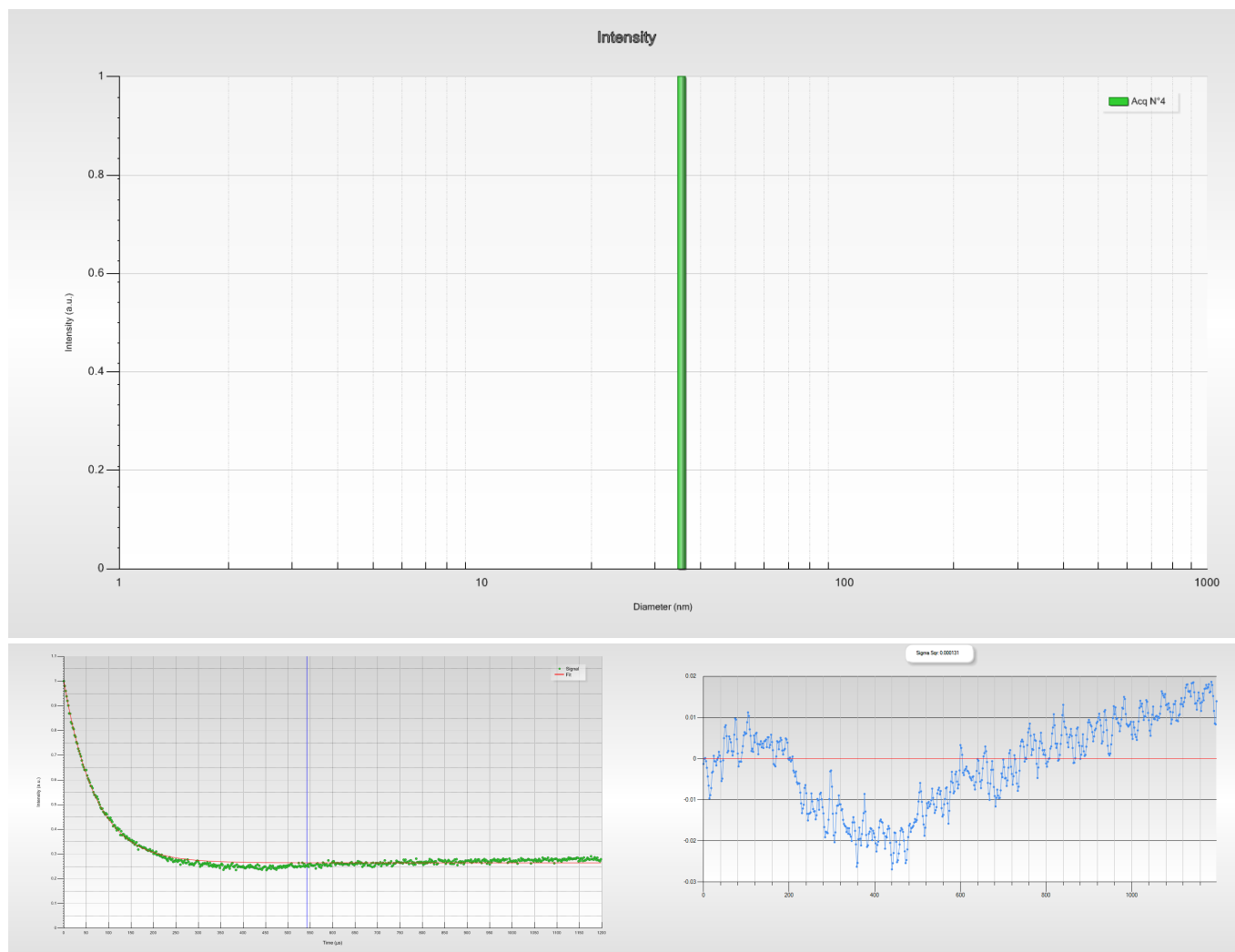
Dv 50%: 33.89 nm

Dv 90%: 51.39 nm

Std Dev: 31.79%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
39.06	0.77	6650.64	12.58193E-012



Dispersion statistics

Di 10%: 35.5 nm
Mean Intensity: 35.5 nm

Di 50%: 35.5 nm

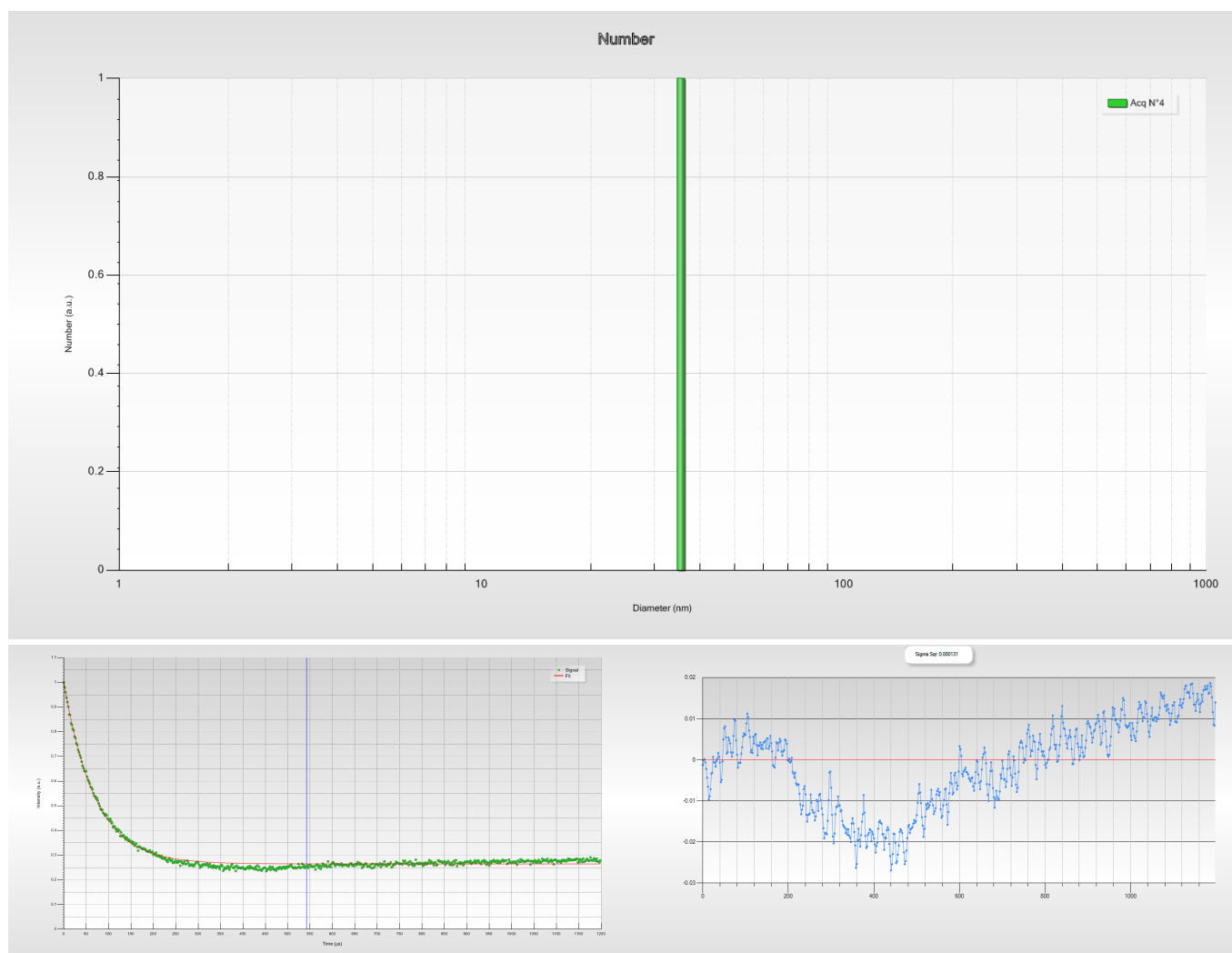
Di 90%: 35.5 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
36.24	0.86	7167.97	13.56063E-012

Dispersion datas

Size (nm)	Intensity
35.5	1



Dispersion statistics

Dn 10%: 35.5 nm
Mean Number: 35.5 nm

Dn 50%: 35.5 nm

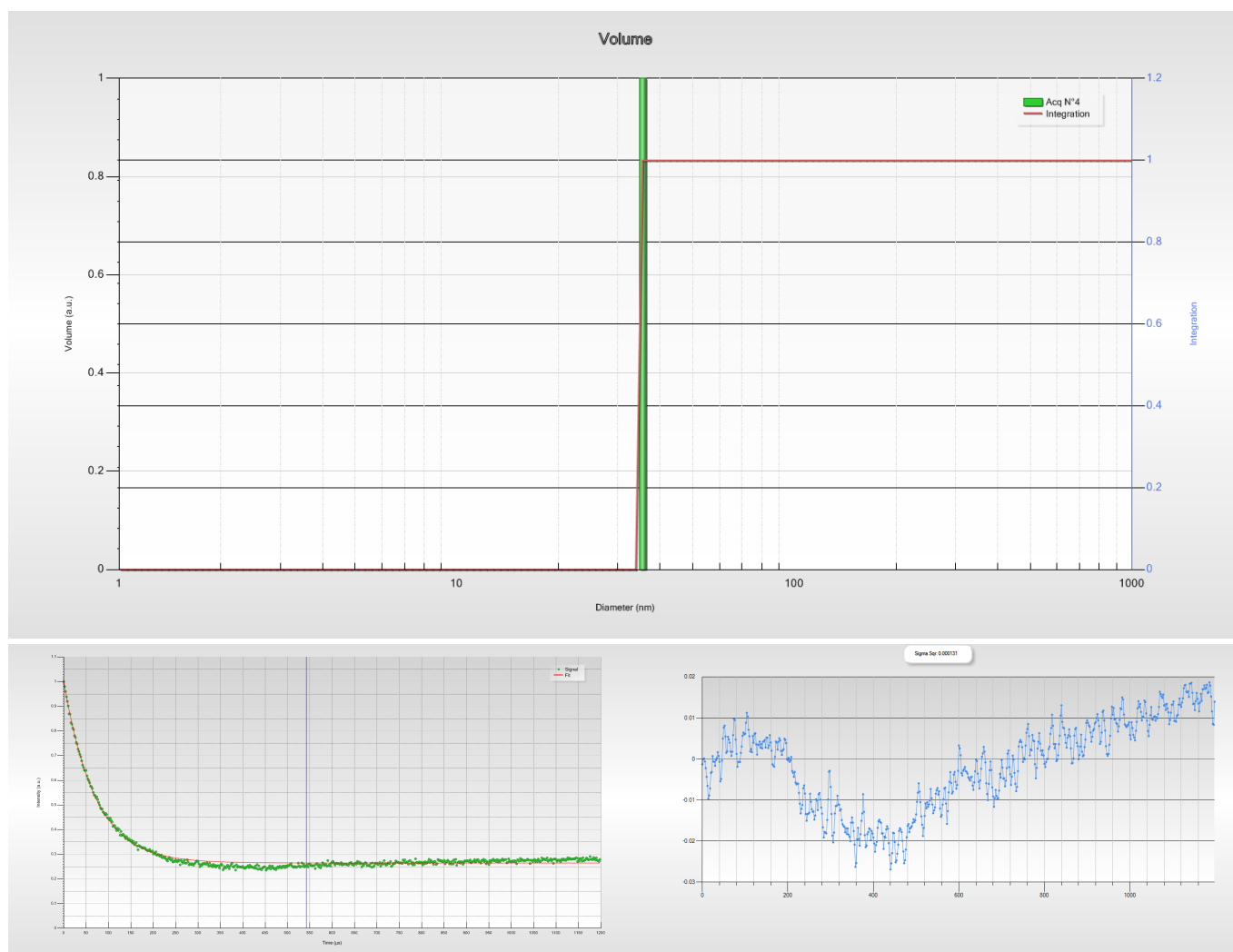
Dn 90%: 35.5 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
36.24	0.86	7167.97	13.56063E-012

Dispersion datas

Size (nm)	Number
35.5	1



Dispersion statistics

Dv 10%: 35.5 nm
Mean Volume: 35.5 nm

Dv 50%: 35.5 nm

Dv 90%: 35.5 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
36.24	0.86	7167.97	13.56063E-012

Dispersion datas

Size (nm)	Volume
35.5	1

**Distribution statistics**

Di 10%: 32.36 nm
Mean Intensity: 39.06 nm
PDI : 0.07941

Di 50%: 38.94 nm

Di 90%: 46.85 nm

Std Dev: 14.09%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
37.55	0.73	6919.16	13.08993E-012

**Distribution statistics**

Dn 10%: 28.17 nm
Mean Number: 34.75 nm
PDI : 0.07941

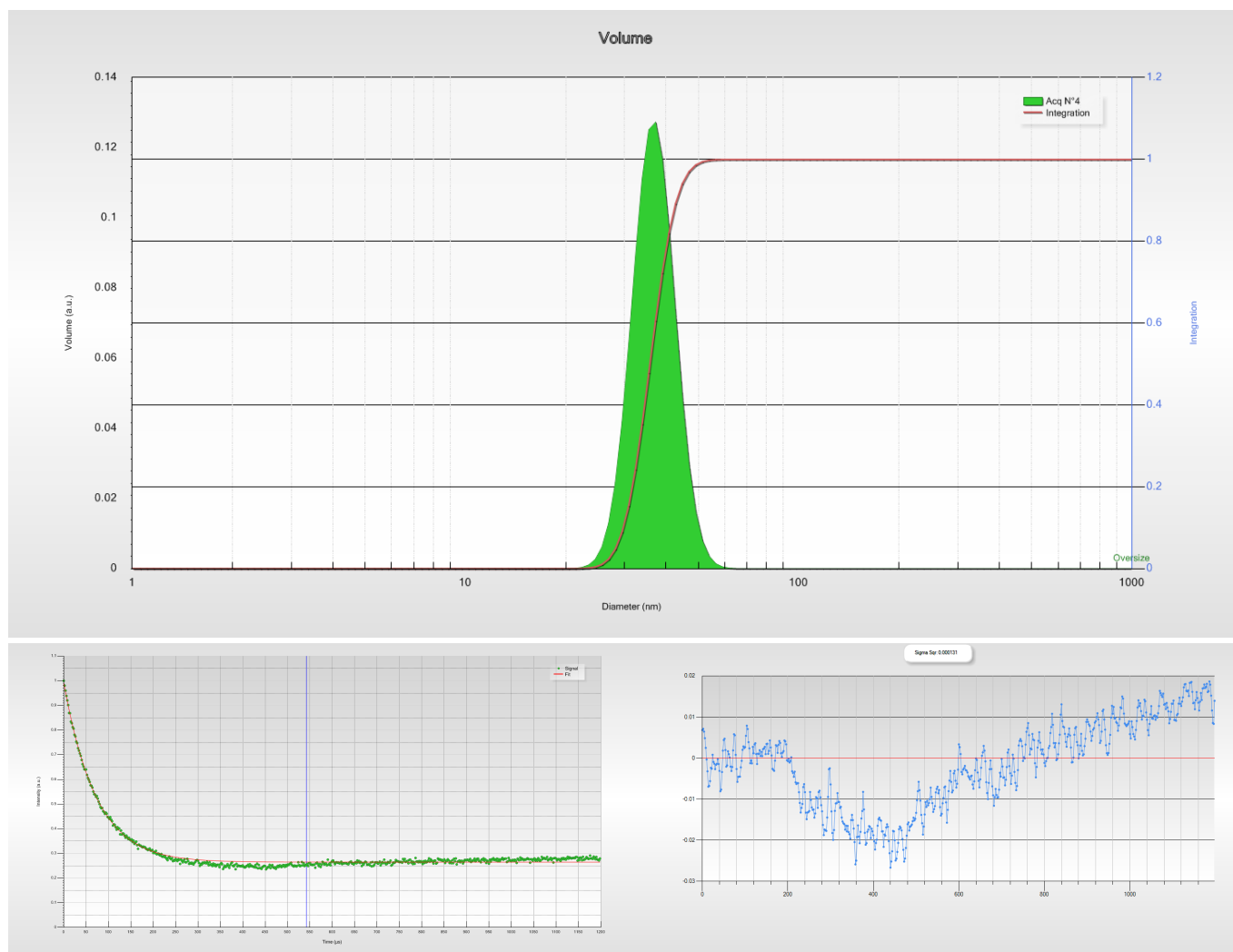
Dn 50%: 33.89 nm

Dn 90%: 40.78 nm

Std Dev: 14.09%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
37.55	0.73	6919.16	13.08993E-012

**Distribution statistics**

Dv 10%: 30.9 nm
Mean Volume: 36.98 nm
PDI : 0.07941

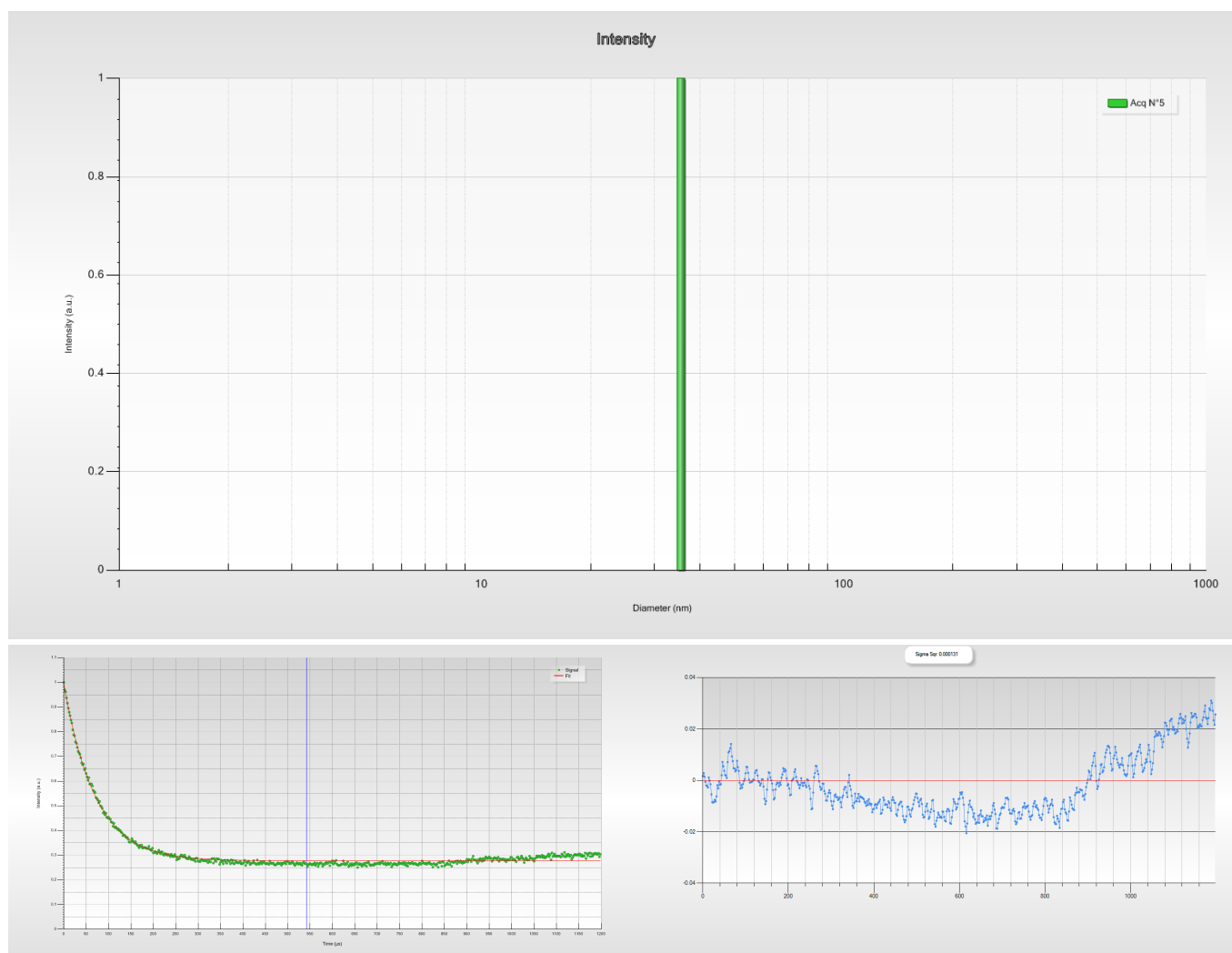
Dv 50%: 37.18 nm

Dv 90%: 44.73 nm

Std Dev: 14.09%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
37.55	0.73	6919.16	13.08993E-012



Dispersion statistics

Di 10%: 35.5 nm
Mean Intensity: 35.5 nm

Di 50%: 35.5 nm

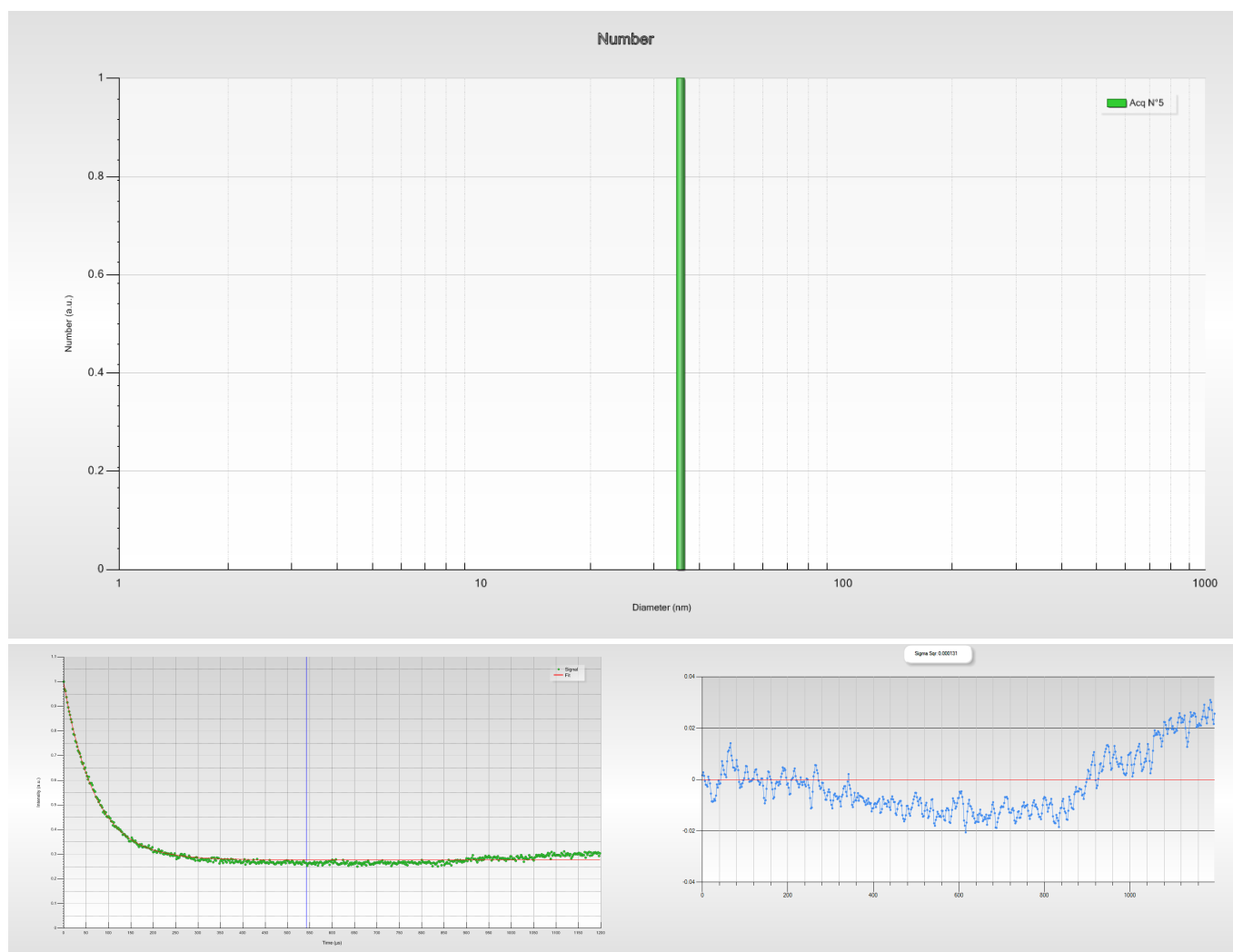
Di 90%: 35.5 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
36.24	0.85	7167.62	13.55997E-012

Dispersion datas

Size (nm)	Intensity
35.5	1



Dispersion statistics

Dn 10%: 35.5 nm
Mean Number: 35.5 nm

Dn 50%: 35.5 nm

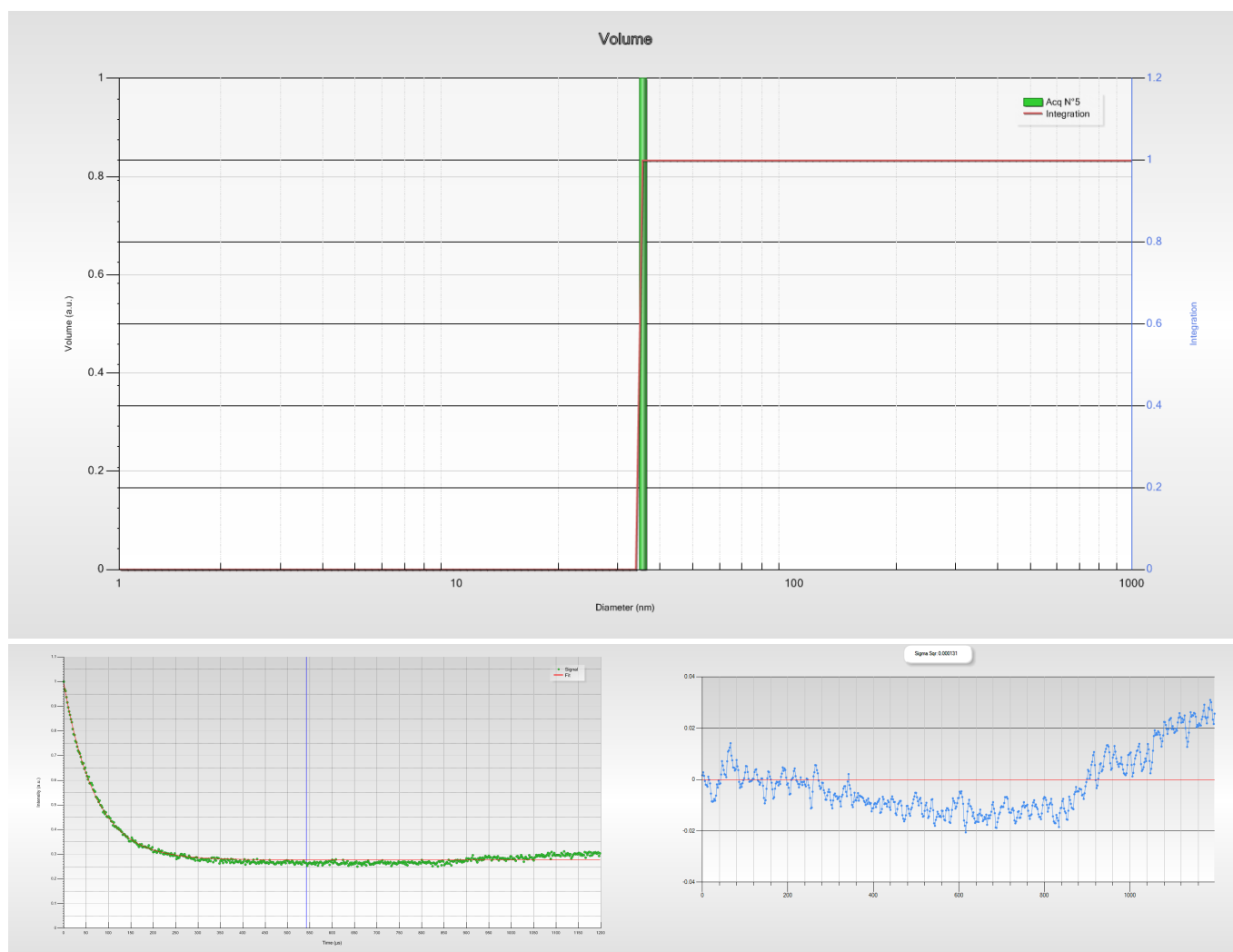
Dn 90%: 35.5 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
36.24	0.85	7167.62	13.55997E-012

Dispersion datas

Size (nm)	Number
35.5	1



Dispersion statistics

Dv 10%: 35.5 nm
Mean Volume: 35.5 nm

Dv 50%: 35.5 nm

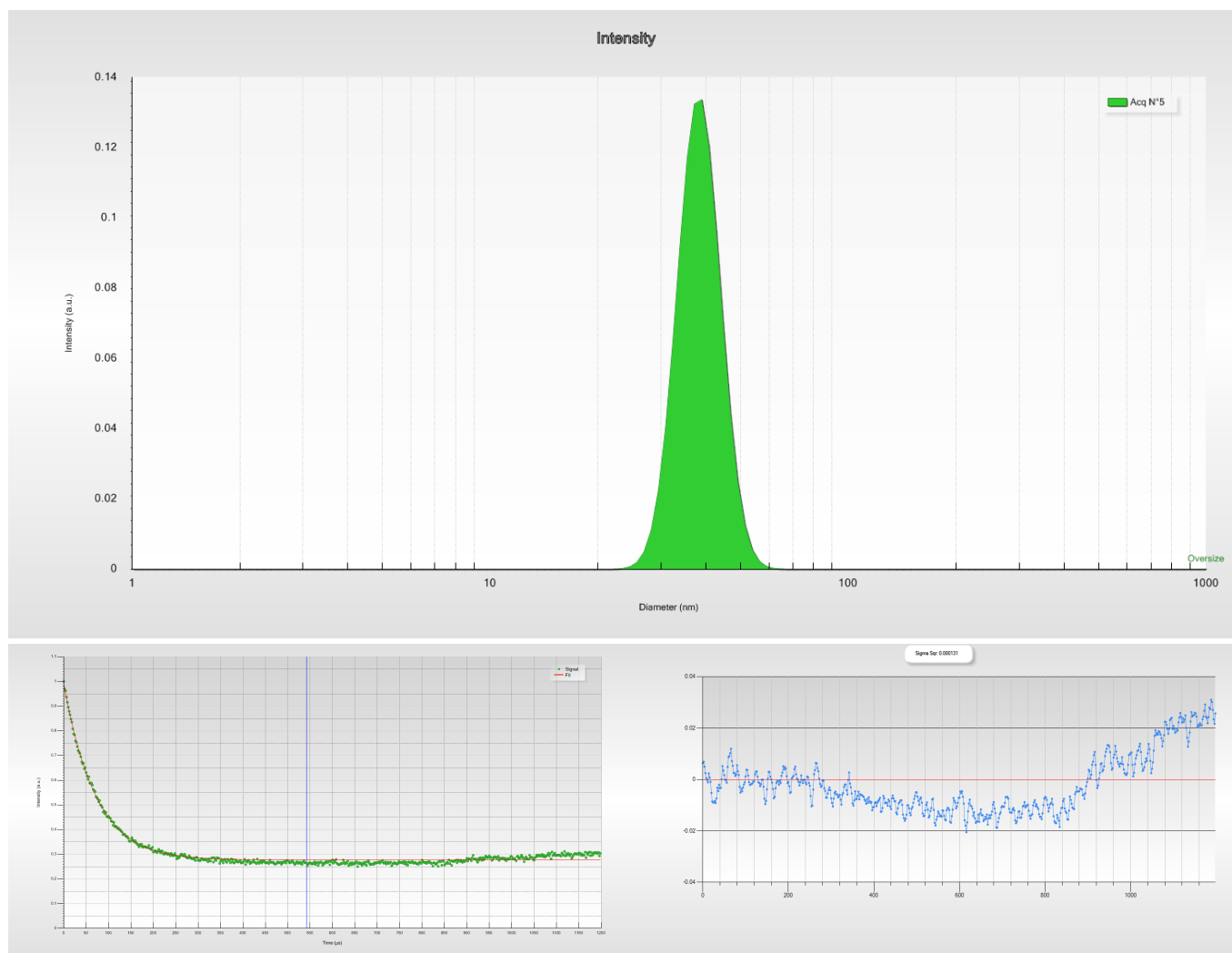
Dv 90%: 35.5 nm

Detected size(s)

Size (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
36.24	0.85	7167.62	13.55997E-012

Dispersion datas

Size (nm)	Volume
35.5	1

**Distribution statistics**

Di 10%: 32.36 nm
Mean Intensity: 38.55 nm
PDI : 0.07529

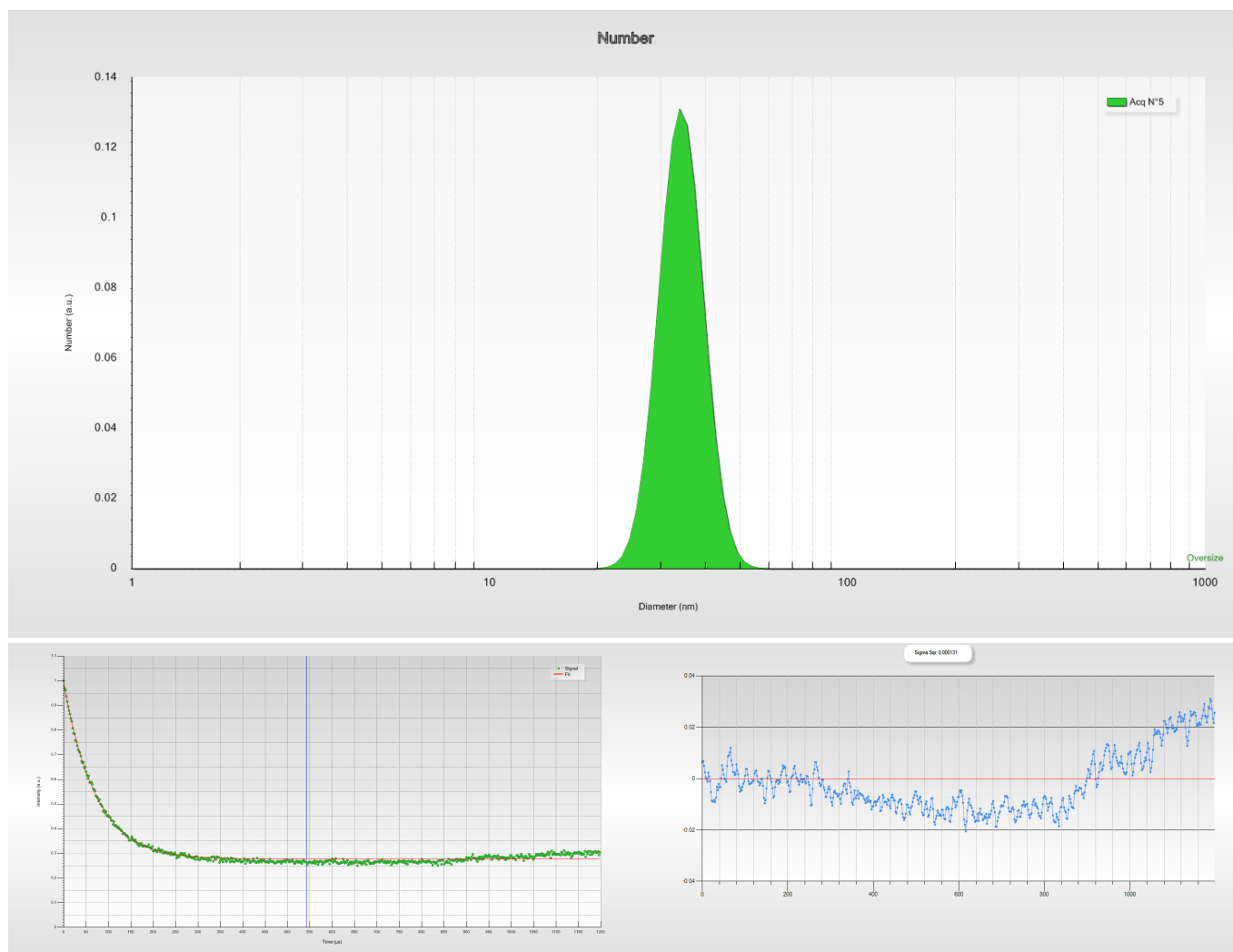
Di 50%: 38.94 nm

Di 90%: 44.73 nm

Std Dev: 13.72%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
37.13	0.71	6997.06	13.2373E-012



Distribution statistics

Dn 10%: 28.17 nm
Mean Number: 34.5 nm
PDI : 0.07529

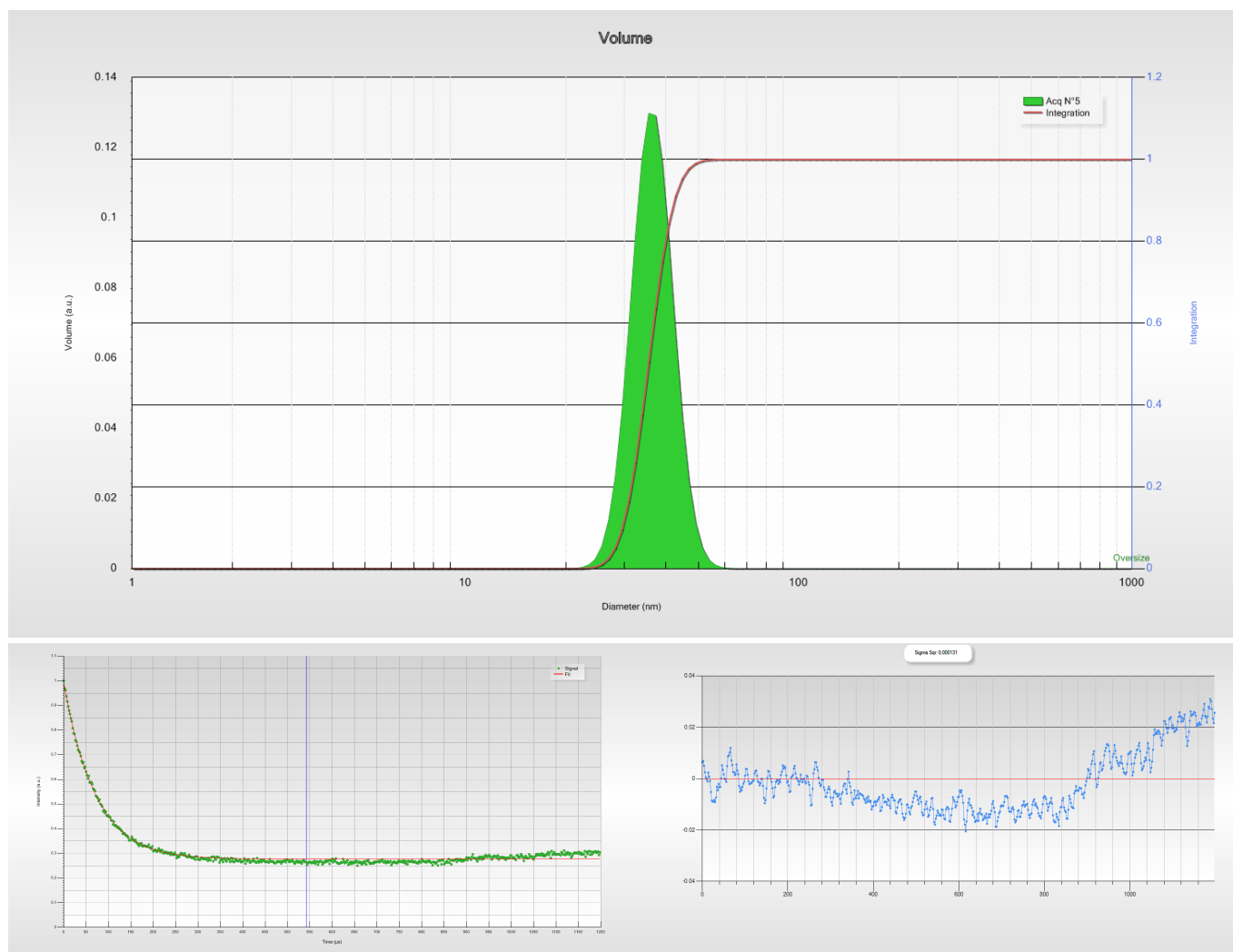
Dn 50%: 33.89 nm

Dn 90%: 40.78 nm

Std Dev: 13.72%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m²/s)
37.13	0.71	6997.06	13.2373E-012



Distribution statistics

Dv 10%: 30.9 nm
Mean Volume: 36.61 nm
PDI : 0.07529

Dv 50%: 35.5 nm

Dv 90%: 42.71 nm

Std Dev: 13.72%

Detected size(s)

Z average (nm)	Intensity	Decay Rate	Diffusion Coeff. (m ² /s)
37.13	0.71	6997.06	13.2373E-012