

ISO 25178 - Roughness (S-L)

S-filter (λ_s): Gaussian, 0.8 μm

F-operation: None

L-filter (λ_c): Gaussian, 0.25 mm

Height parameters

Sq 1.4 nm

Sa 1.1 nm

Spatial parameters

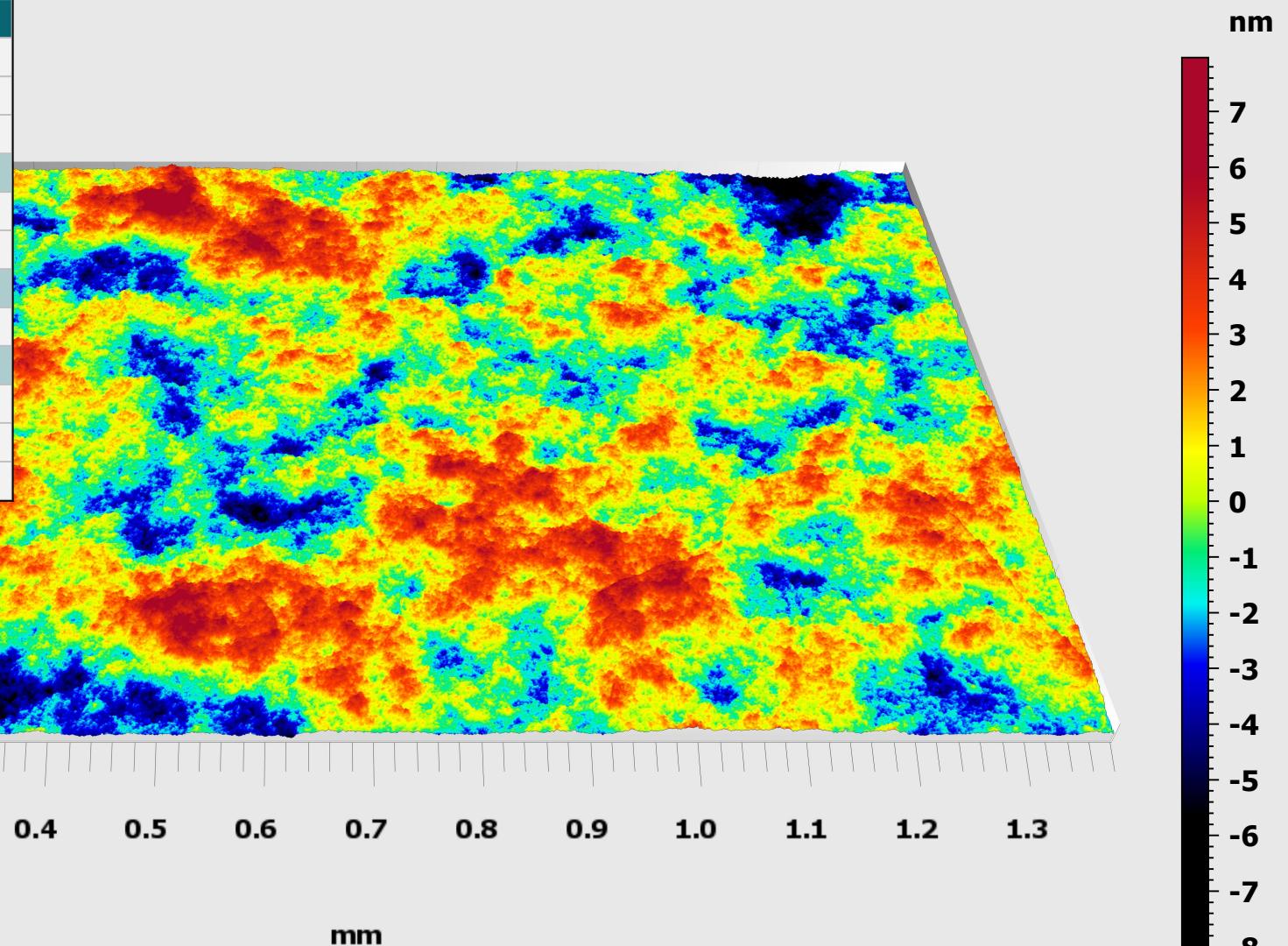
Sal 0.033 mm

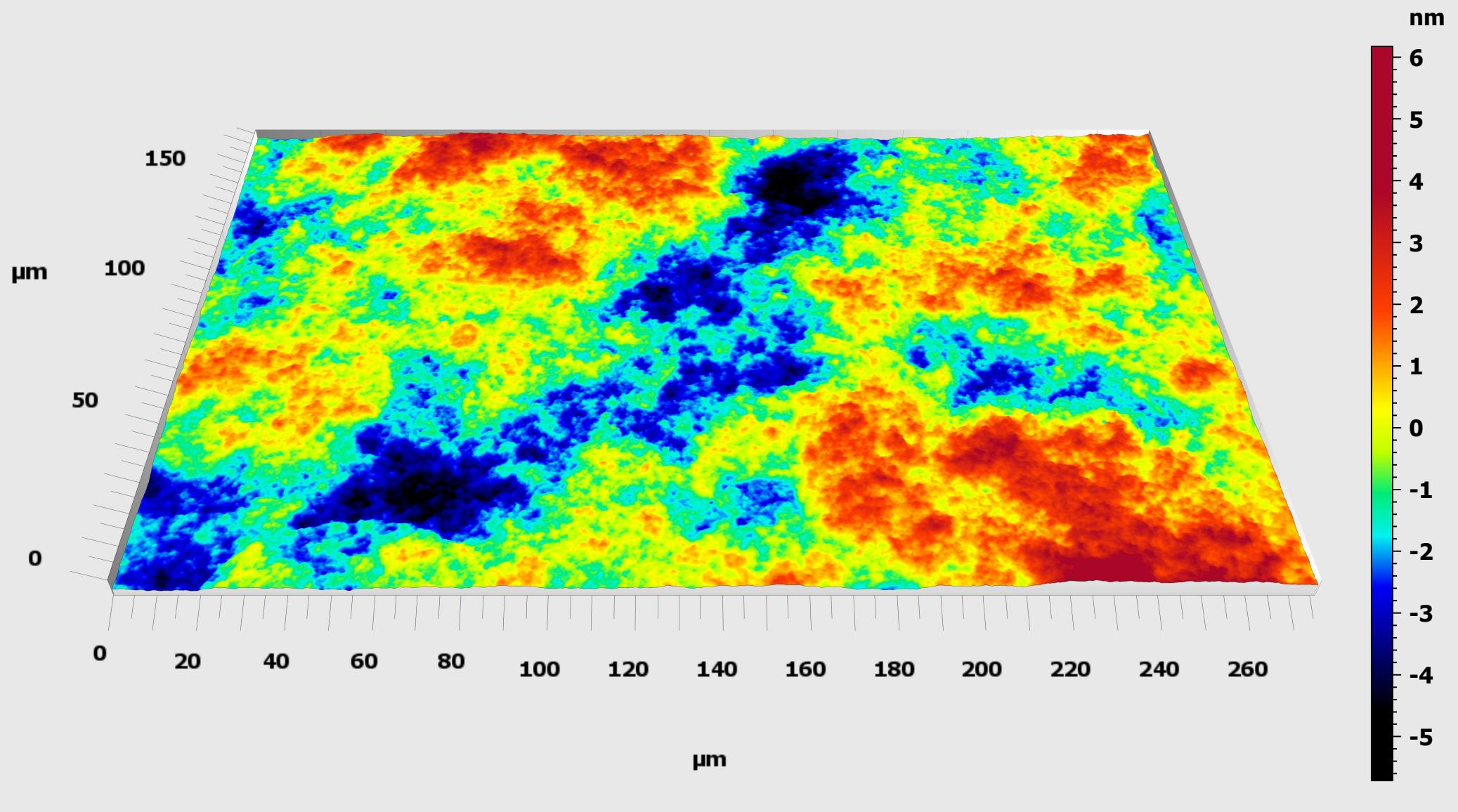
Functional parameters (stratified surfaces)

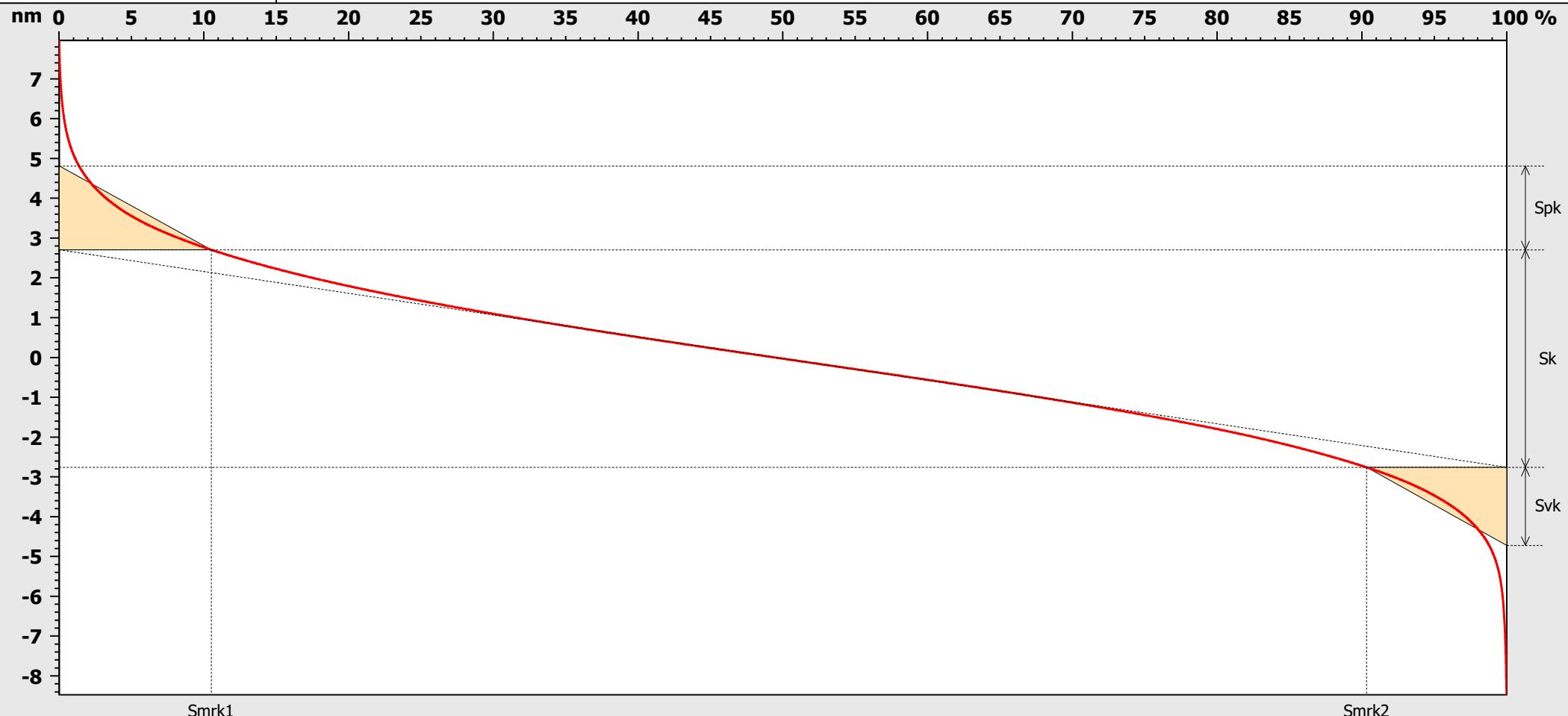
Sk 3.6 nm

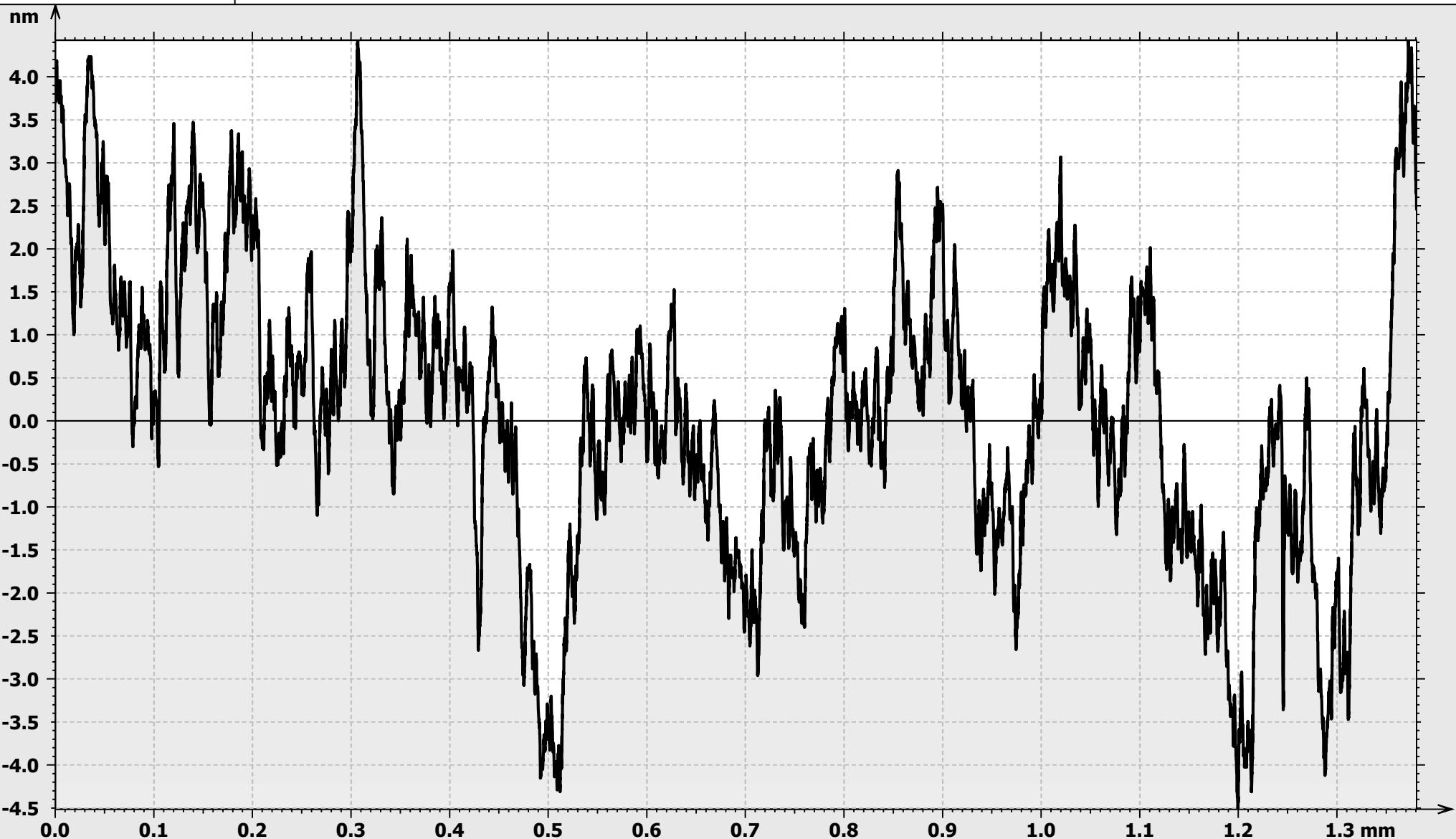
Spk 1.3 nm

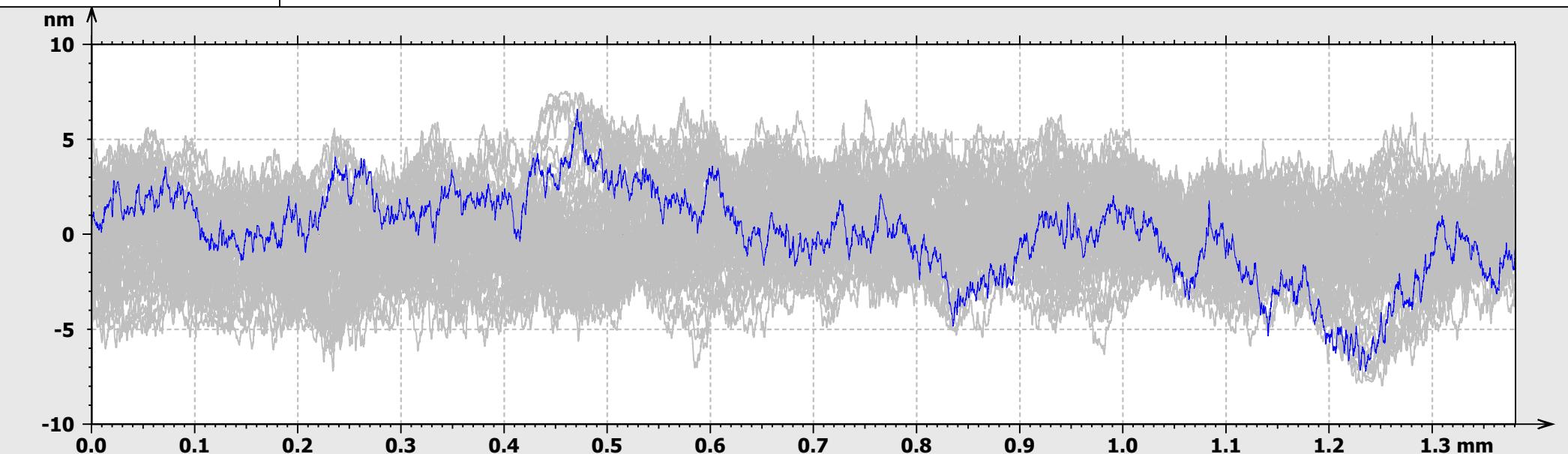
Svk 1.2 nm











Context	Mean	Std dev	Min	Max
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ISO 21920-Main - Roughness (S-L)

S-filter (λs): Gaussian, 0.8 μm

F-operation: None

L-filter (λc): Gaussian, 0.25 mm

Evaluation length: All λc (5)

Height parameters

Rq	nm	1.1	0.082	0.92	1.3
Rz	nm	5.2	0.38	4.3	6.0
Ra	nm	0.89	0.07	0.75	1.1

Spatial parameters

Ral	mm	$s = 0.2$	0.02	0.0024	0.014	0.025
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