

**ISO 25178 - Roughness (S-L)**

*S-filter ( $\lambda_s$ ): Gaussian, 2.5  $\mu\text{m}$*

*F-operation: None*

*L-filter ( $\lambda_c$ ): Gaussian, 0.8 mm*

**Height parameters**

Sq 0.17  $\mu\text{m}$

Sa 0.11  $\mu\text{m}$

**Spatial parameters**

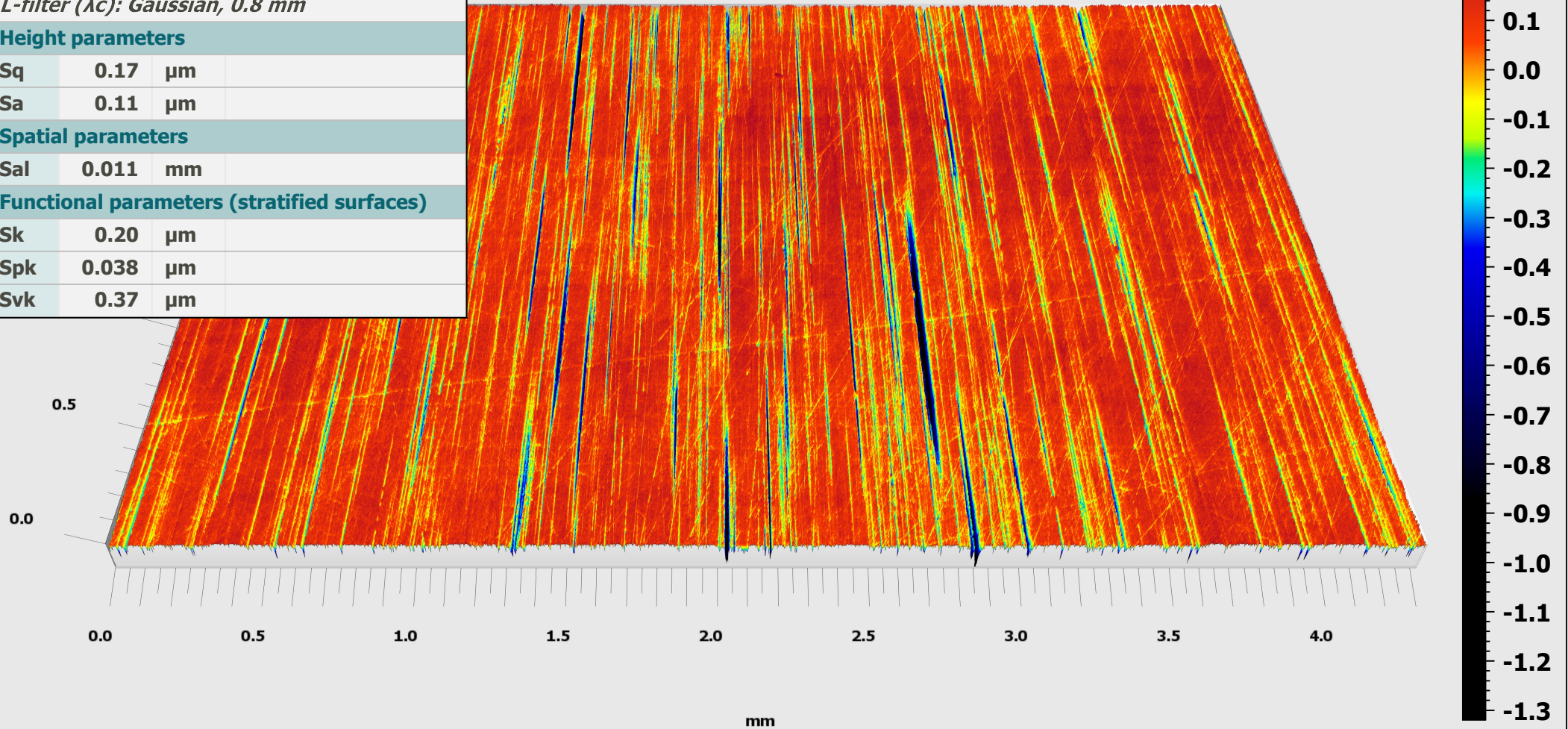
Sal 0.011 mm

**Functional parameters (stratified surfaces)**

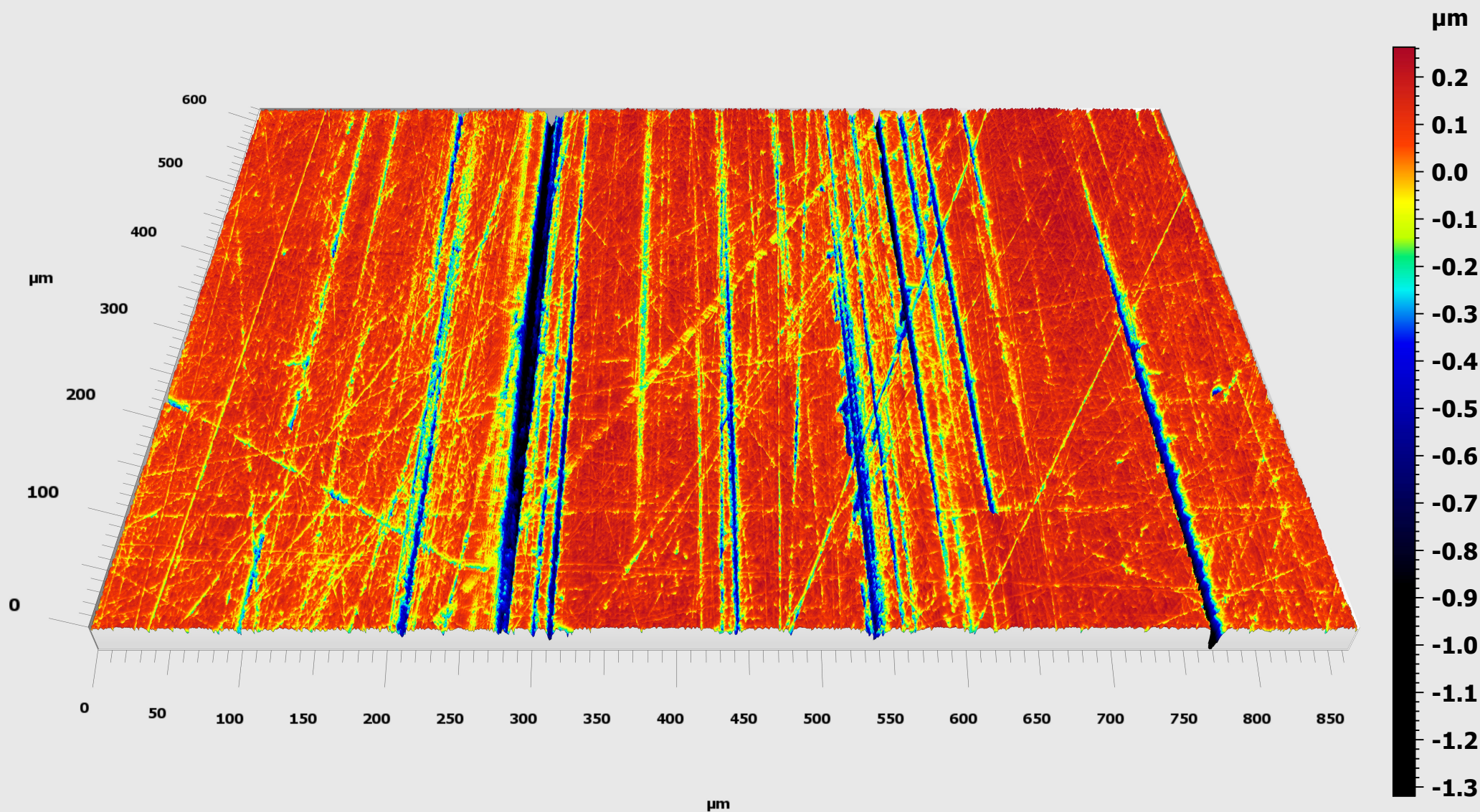
Sk 0.20  $\mu\text{m}$

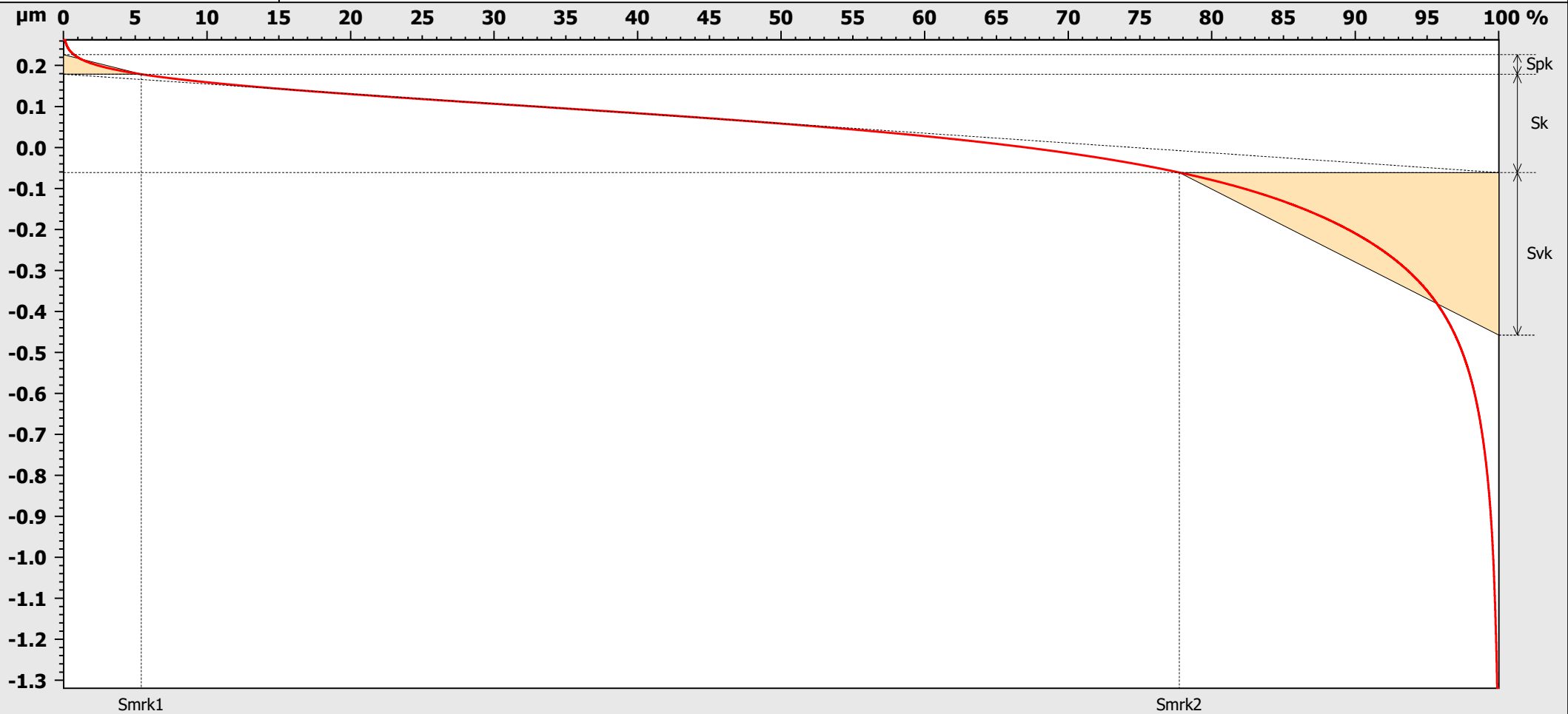
Spk 0.038  $\mu\text{m}$

Svk 0.37  $\mu\text{m}$

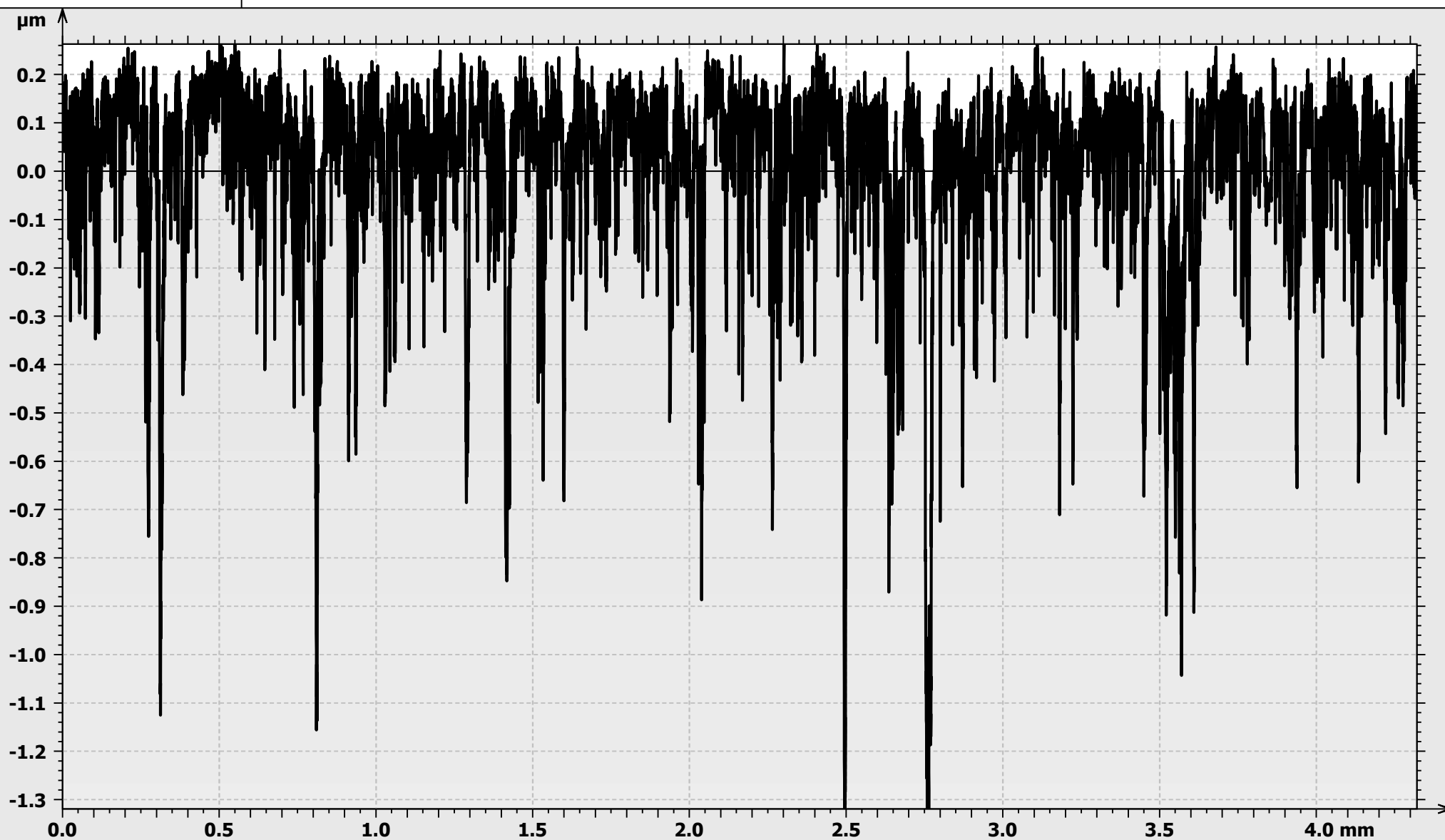




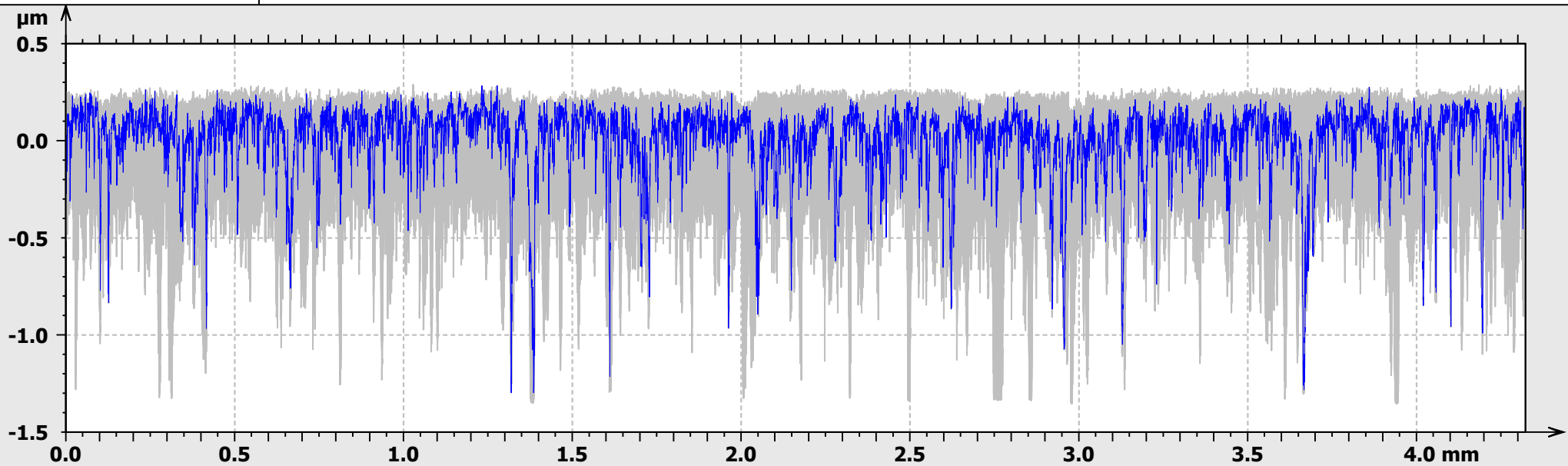




Parameters	Value	Unit
Sk	0.24	µm
Spk	0.048	µm
Svk	0.40	µm







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

*S-filter ( $\lambda_s$ ): Gaussian, 2.5  $\mu\text{m}$*

*F-operation: None*

*L-filter ( $\lambda_c$ ): Gaussian, 0.8 mm*

*Evaluation length: All  $\lambda_c$  (5)*

**Height parameters**

Rq	$\mu\text{m}$	0.17	0.0088	0.16	0.19
Rz	$\mu\text{m}$	1.2	0.079	1.1	1.4
Ra	$\mu\text{m}$	0.12	0.0046	0.11	0.12

**Spatial parameters**

Ral	mm	$s = 0.2$	0.011	0.0015	0.0079	0.014
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