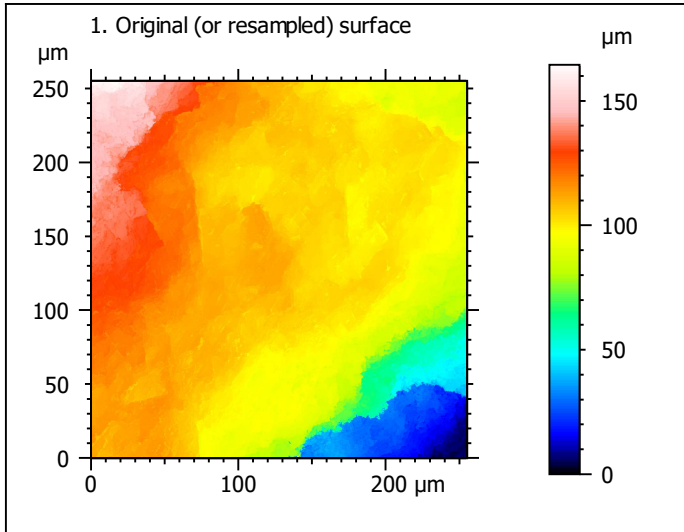


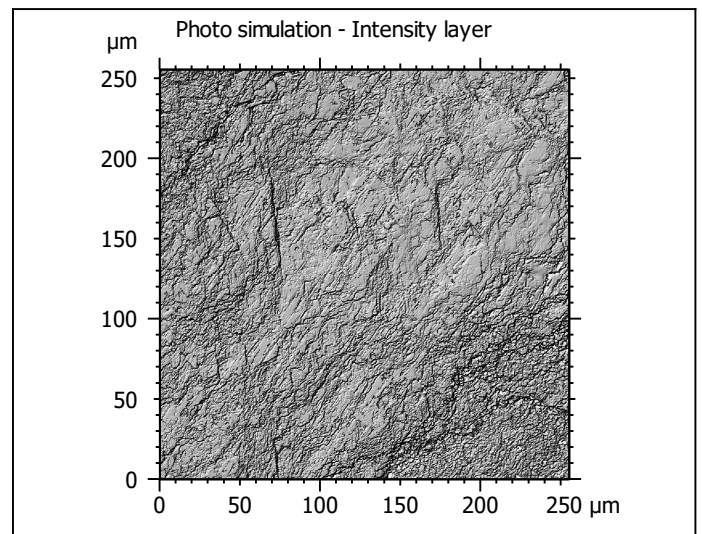
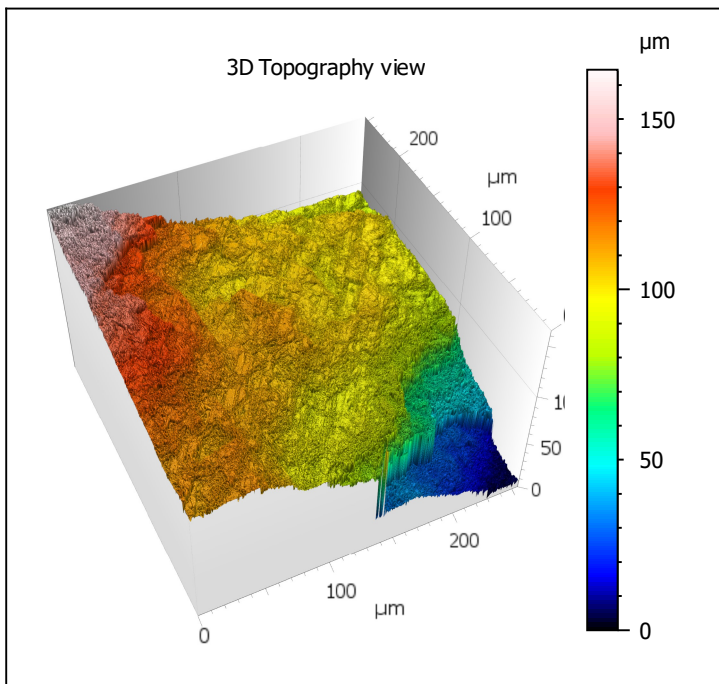
Template - Processing analysis

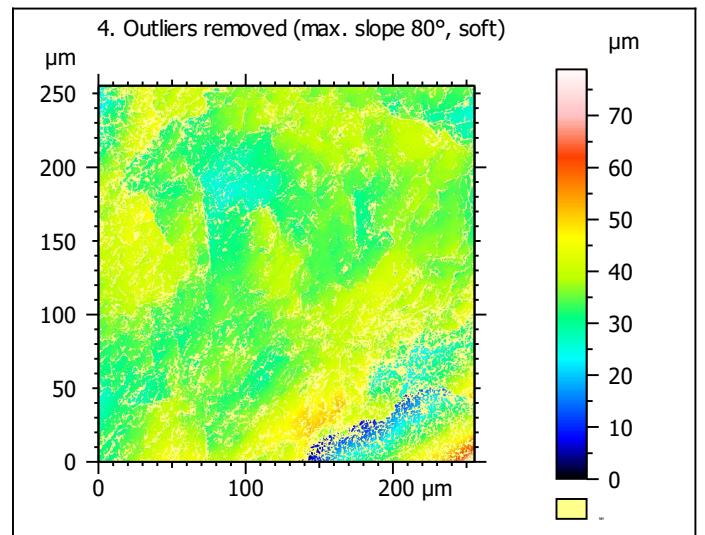
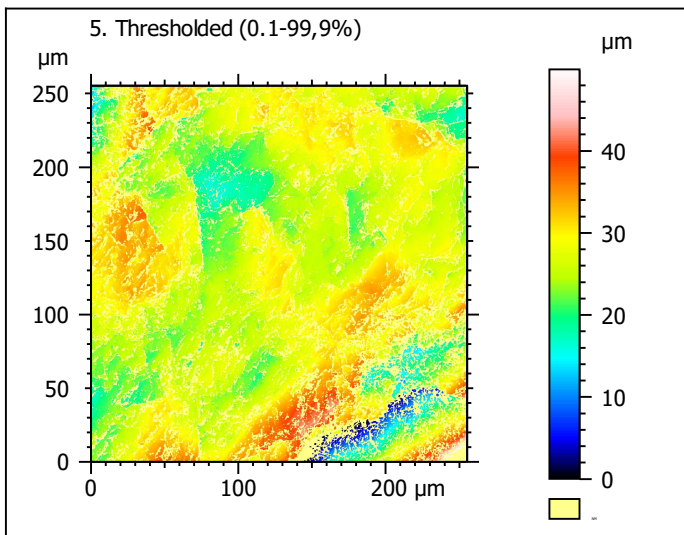
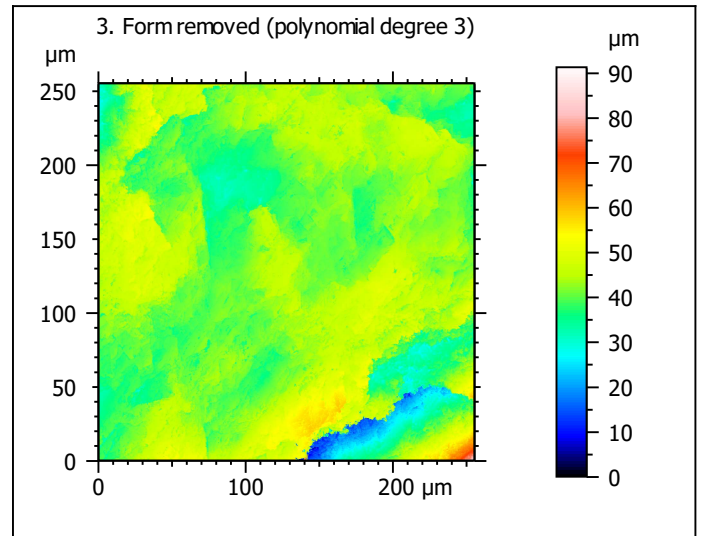
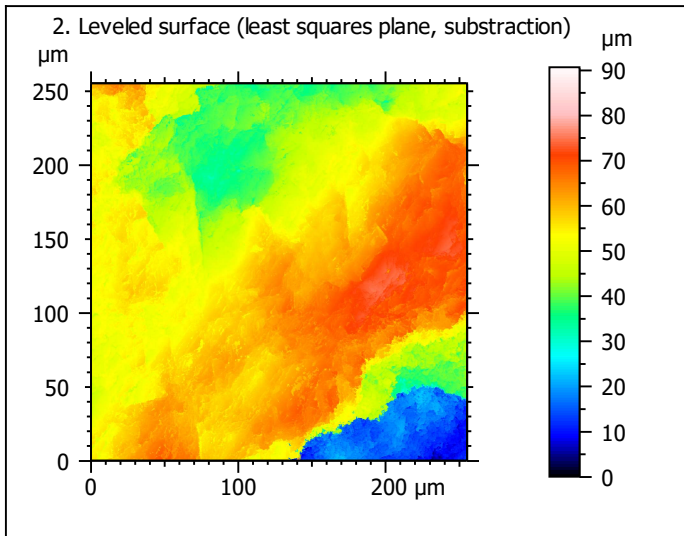
Template to process all surfaces acquired with the Zeiss LSM 800 with the 50x/0.75 objective.

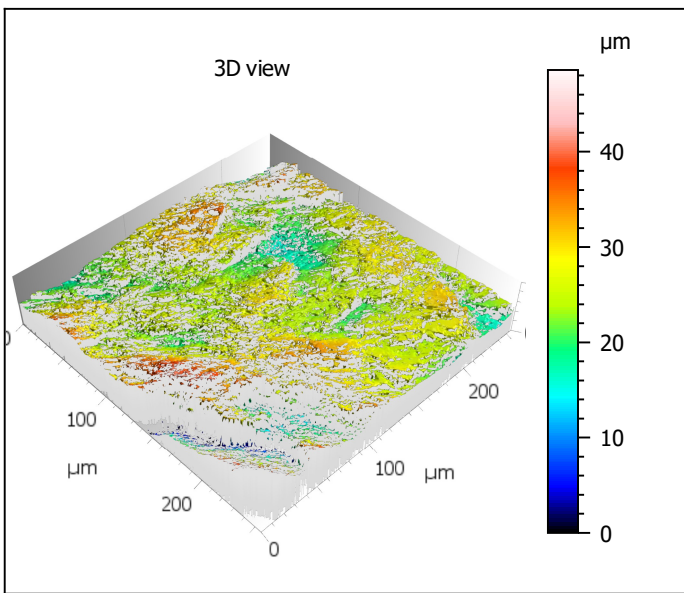
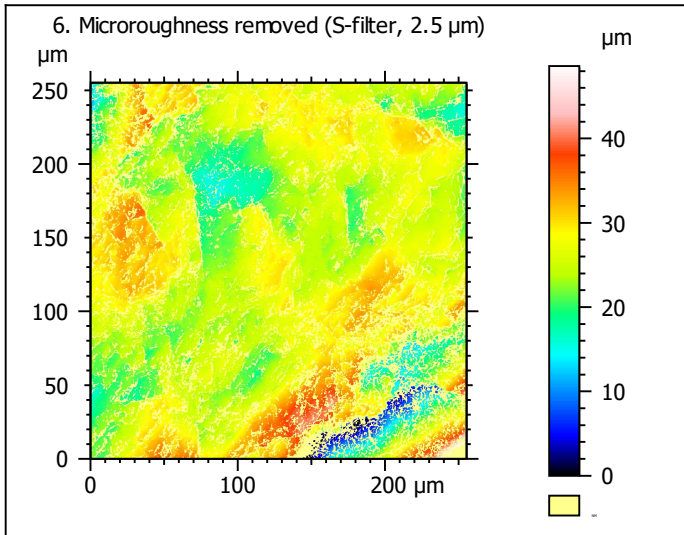
Processing



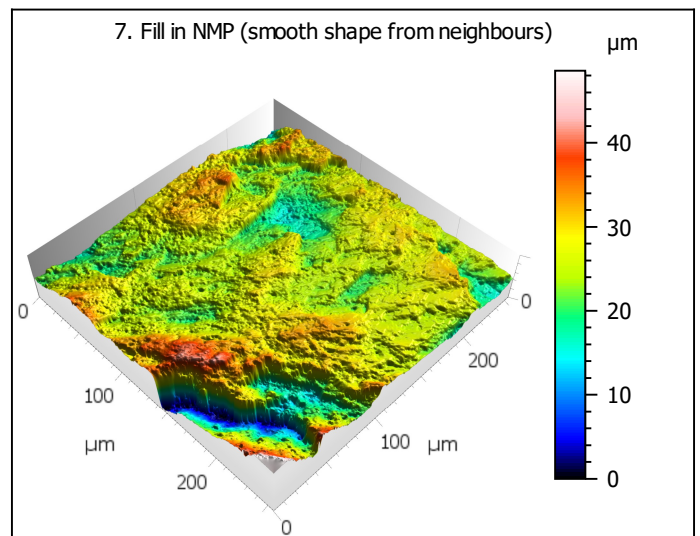
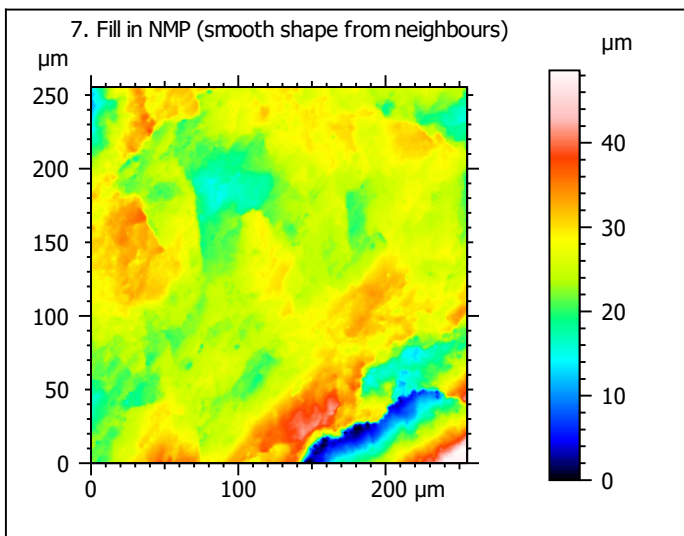
Identity card			
Name:	lime3-3_lsm_50x-0.75_20200914_surf2_Topo		
Created on:	9/14/2020 12:02:32 PM		
Studiabile type:	Surface		
Axis:	X		
Length:	255.3	µm	
Size:	1024	points	
Spacing:	0.2496	µm	
Axis:	Y		
Length:	255.3	µm	
Size:	1024	points	
Spacing:	0.2496	µm	
Axis:	Z		
Layer type:	Topography		
Length:	164.5	µm	
Size:	65532	digits	
Spacing:	2.511	nm	
NM-points ratio:	0.000 % (0 Pts)		







Identity card			
Name:	lime3-3_Ism_50x-0.75...filtered (As 2.500 μm)		
File path:	D:\Dropbox\jmmarreir...0914_surf2_Topo.sur		
Created on:	9/14/2020 12:02:32 PM		
Studiabile type:	Surface		
Axis:	X		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
Offset:	0.000	μm	
Axis:	Y		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
Offset:	-255.3	μm	
Axis:	Z		
Layer type:	Topography		
Length:	48.58	μm	
Min:	-25.33	μm	
Max:	23.26	μm	
Size:	193492	digits	
Spacing:	0.2511	nm	
NM-points ratio:	37.35 % (391652 Pts)		

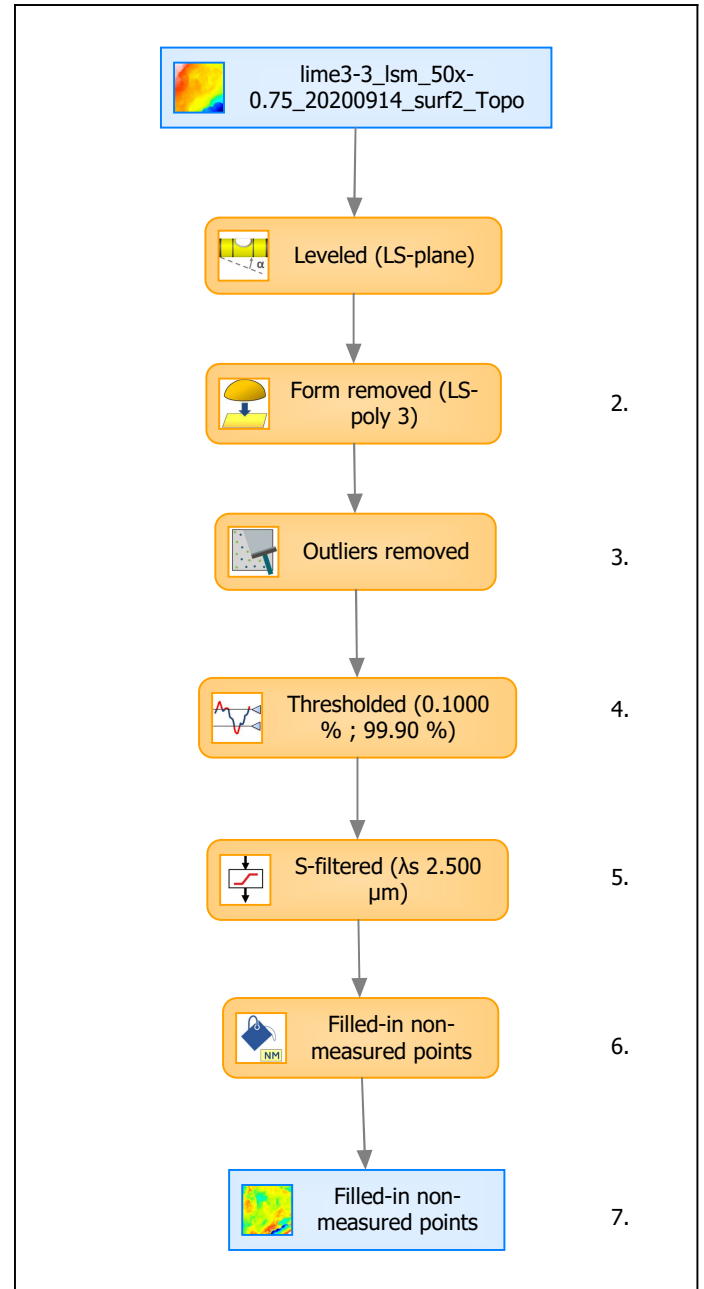


Identity card			
Name:	lime3-3_lsm_50x-0.75_...in non-measured points		
Created on:	9/14/2020 12:02:32 PM		
Studiable type:	Surface		
Axis:	X		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
Axis:	Y		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
Axis:	Z		
Layer type:	Topography		
Length:	48.58	μm	
Size:	193492	digits	
Spacing:	0.2511	nm	
NM-points ratio:	0.000 % (0 Pts)		

Analyses

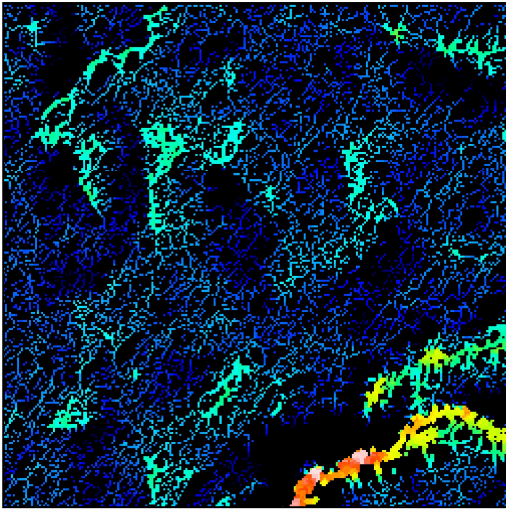
8. ISO 25178-2 parameters on surface #7

ISO 25178 - Primary surface			
<i>F: [Workflow] Form removed (LS-poly 3)</i>			
<i>S-filter (λ_s): [Workflow] S-filtered (λ_s 2.500 μm)</i>			
Height parameters			
Sq	5.348	μm	
Ssk	-0.4908		
Sku	5.974		
Sp	23.00	μm	
Sv	25.58	μm	
Sz	48.58	μm	
Sa	3.887	μm	
Functional parameters			
Smr	0.1802	%	
Smc	5.799	μm	
Sxp	11.65	μm	
Spatial parameters			
Sal	18.68	μm	
Str	0.4682		
Std	50.99	$^\circ$	
Hybrid parameters			
Sdq	1.126		
Sdr	31.23	%	
Functional parameters (Volume)			
Vm	0.3133	$\mu\text{m}^3/\mu\text{m}^2$	
Vv	6.113	$\mu\text{m}^3/\mu\text{m}^2$	
Vmp	0.3133	$\mu\text{m}^3/\mu\text{m}^2$	
Vmc	3.932	$\mu\text{m}^3/\mu\text{m}^2$	
Vvc	5.330	$\mu\text{m}^3/\mu\text{m}^2$	
Vvv	0.7826	$\mu\text{m}^3/\mu\text{m}^2$	



Analyses:	
ISO 25178	8.
Furrow	9.
Texture direction	10.
Texture isotropy	11.
SSFA	12.

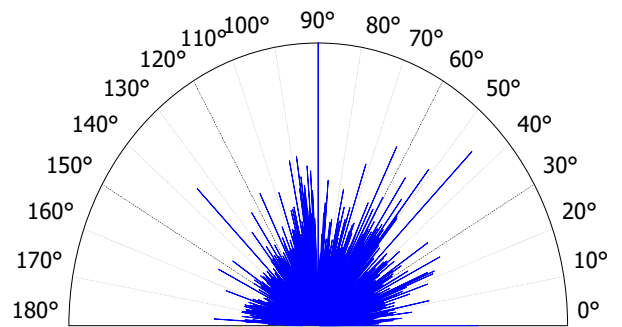
9. Furrow analysis on surface #7



All furrows are shown.

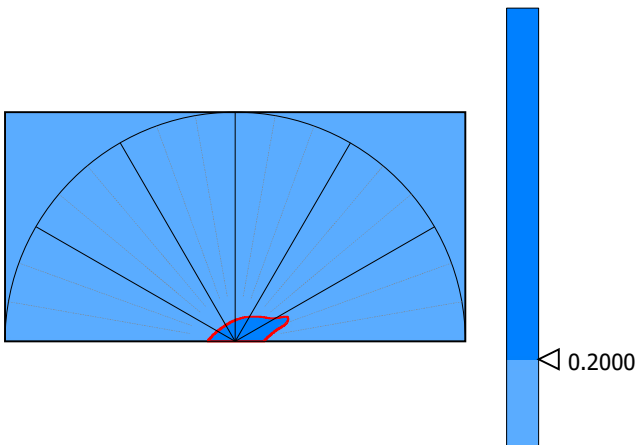
Parameters	Value	Unit
Maximum depth of furrows	25.68	µm
Mean depth of furrows	5.112	µm
Mean density of furrows	2286	cm/cm2

10. Texture direction on surface #7



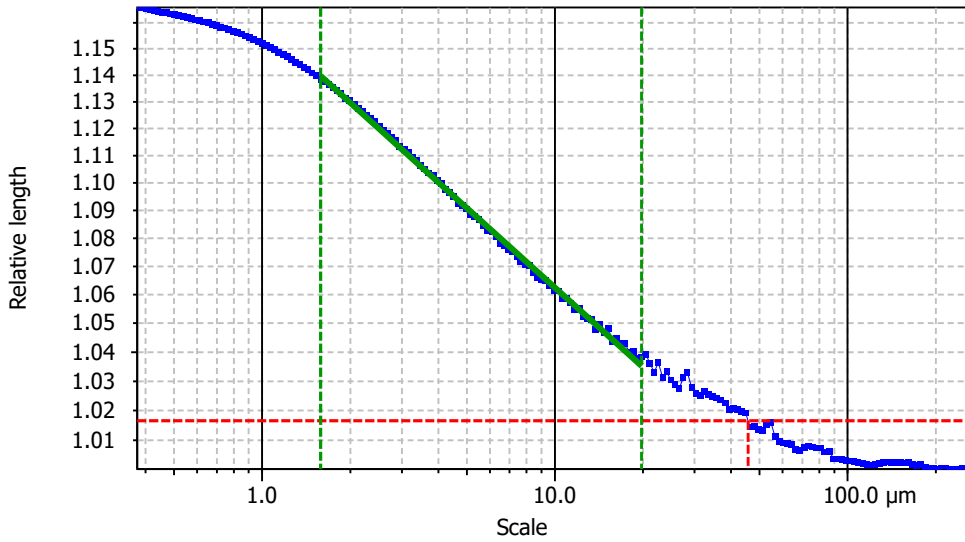
Parameters	Value	Unit
First direction	90.00	°
Second direction	45.01	°
Third direction	51.19	°

11. Texture isotropy on surface #7



Parameters	Value	Unit
Texture isotropy	33.07	%

12. SSFA on surface #7

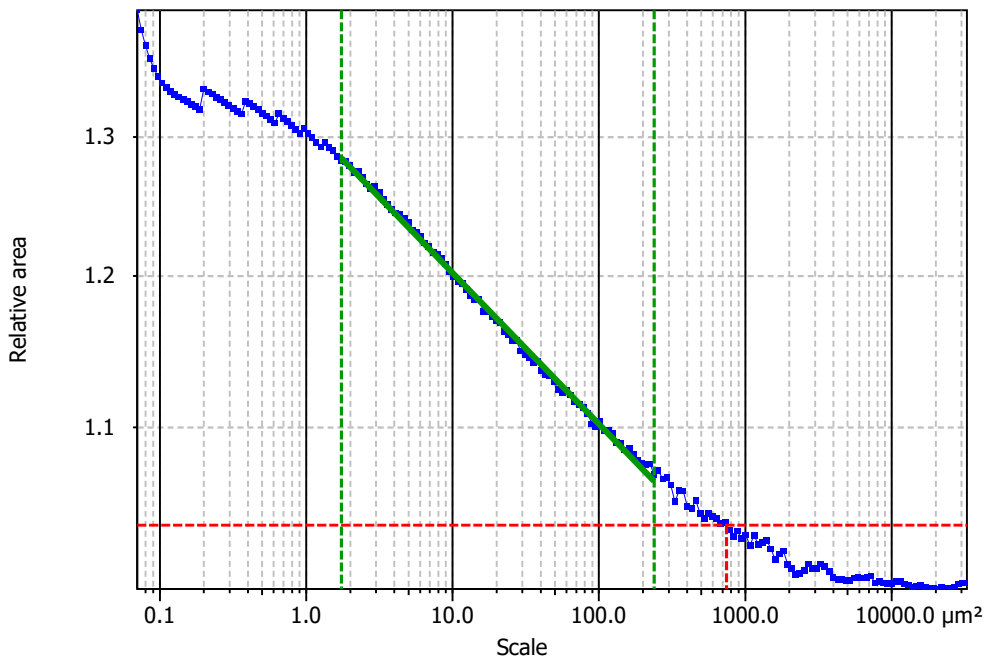


Information

Method Length-scale (rows)

Parameters

Value	Unit	Comment
0.0004932		Length-scale anisotropy (Sfrax) (1.8 μm, 5°)
0.01769		Length-scale anisotropy (1.8 μm, 5°)



Information

Method Area-scale (four corners)

Parameters

Value	Unit	Comment
37.79		Fractal complexity
11.67	μm²	Scale of max complexity
0.5444		Heterogeneity of Asfc (3x3)
0.7012		Heterogeneity of Asfc (9x9)