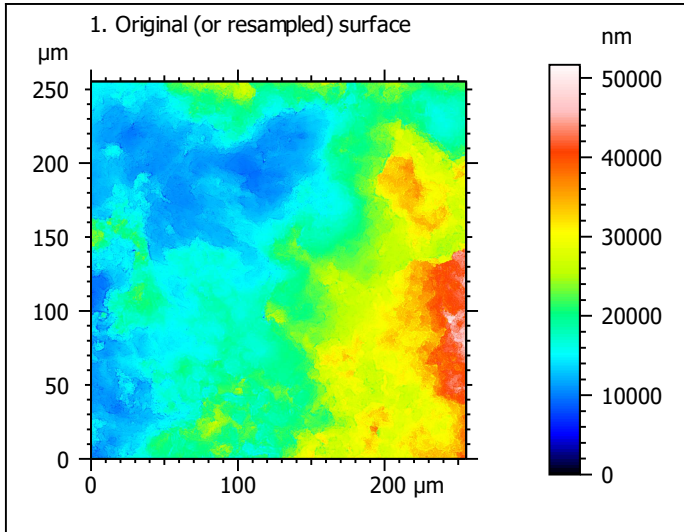


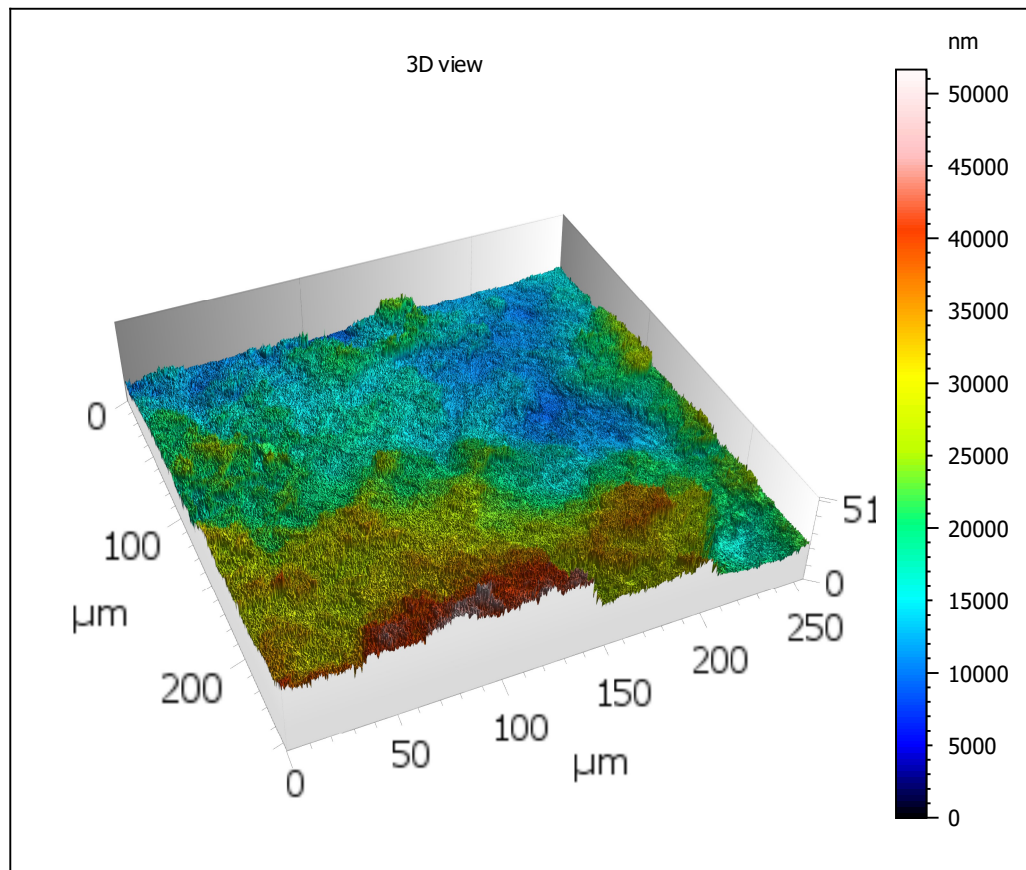
Template - Processing analysis

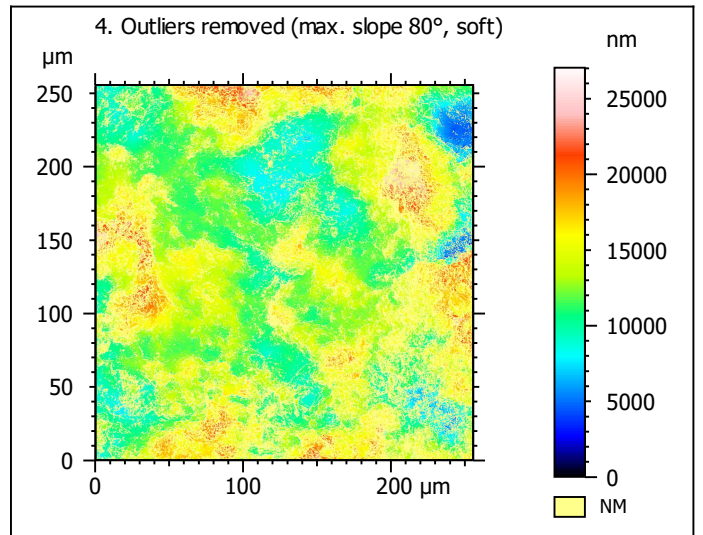
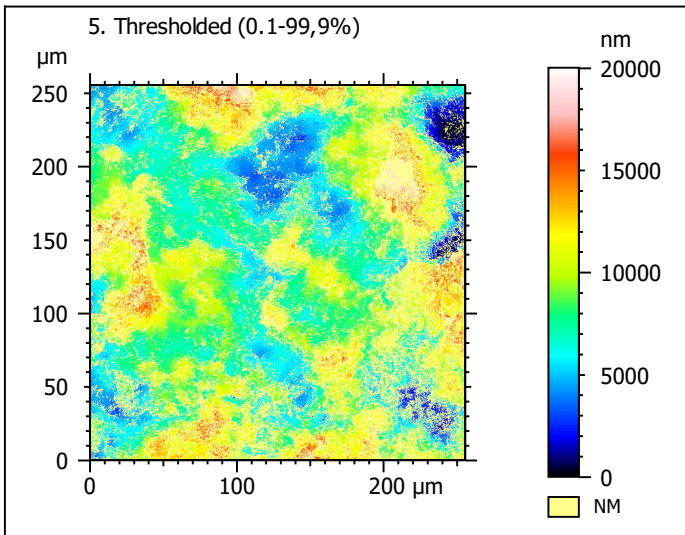
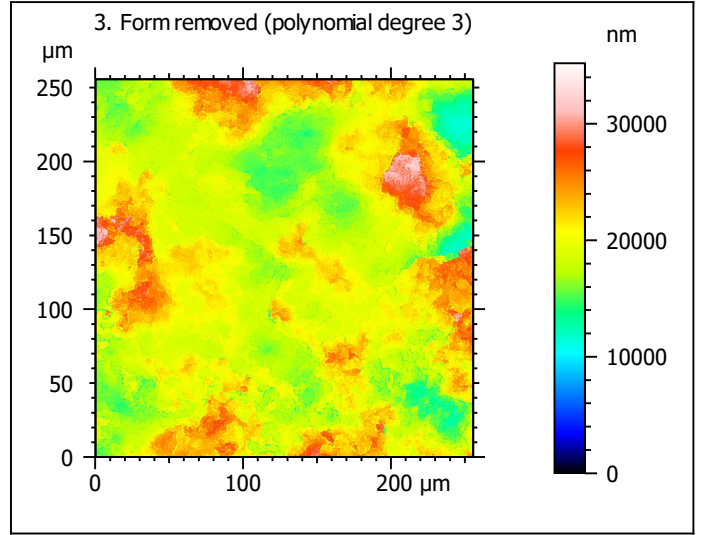
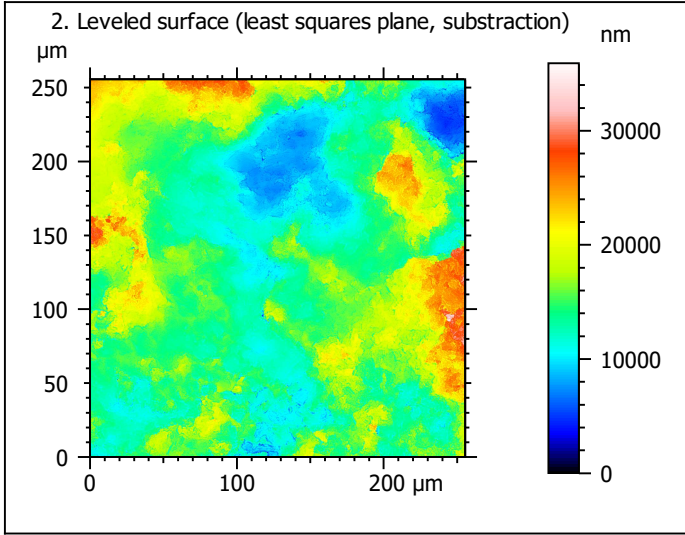
Template to process all surfaces acquired with the LSM with the 50x/0.75 and 50x/0.95 objectives.

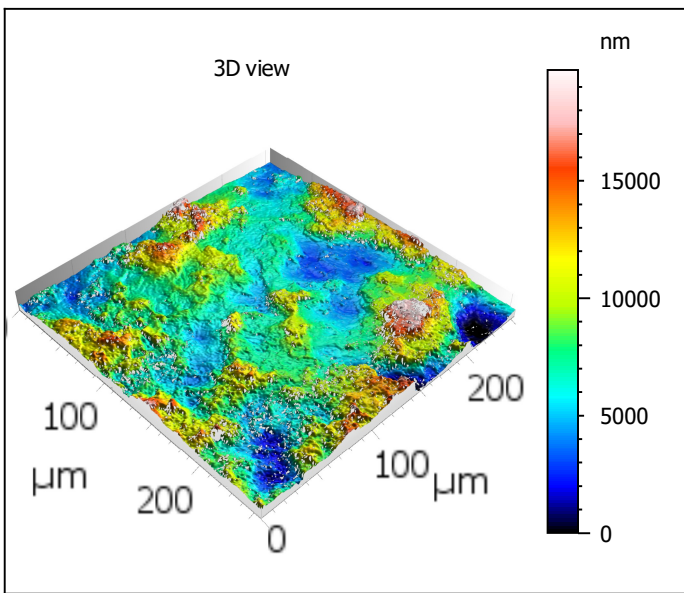
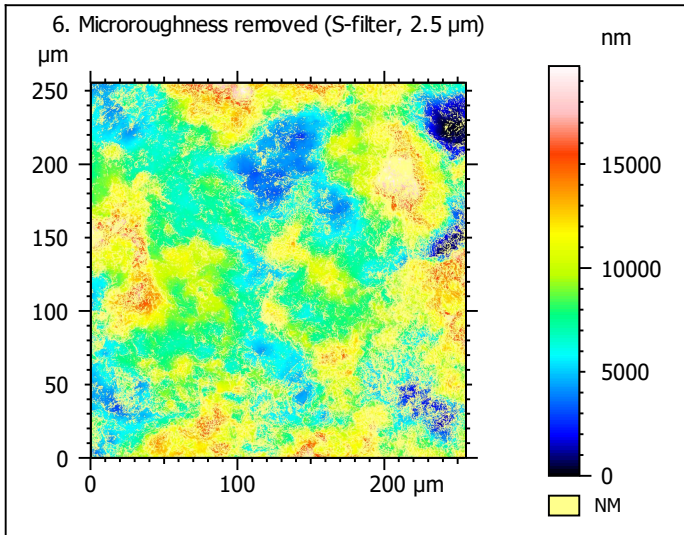
Processing



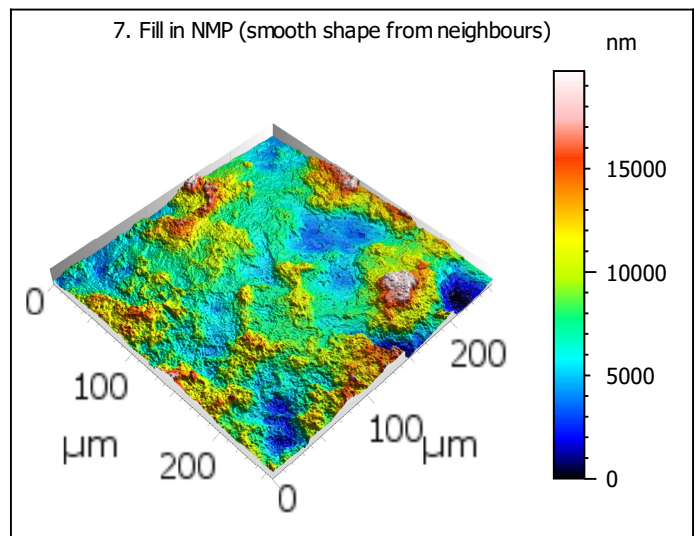
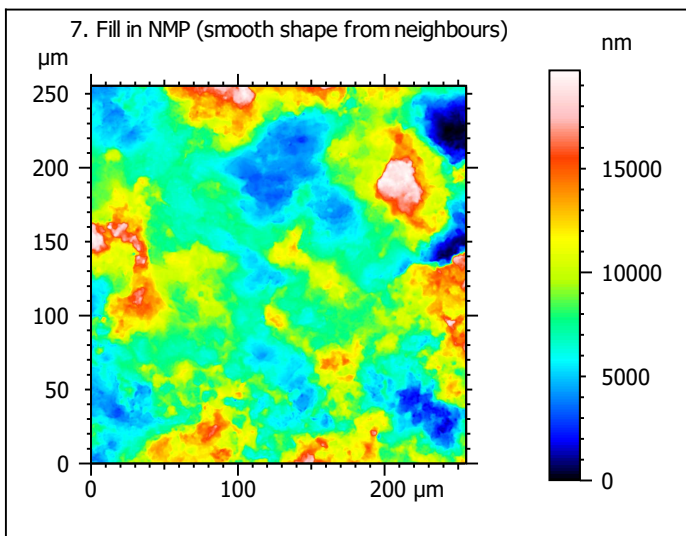
Identity card			
Name:	Lime3-9_LSM_50x075_suf3_Topo		
Created on:	6/24/2020 2:54:34 PM		
Studiabile type:	Surface		
Axis:	X		
Length:	255.5	µm	
Size:	3000	points	
Spacing:	0.08519	µm	
Axis:	Y		
Length:	255.5	µm	
Size:	3000	points	
Spacing:	0.08519	µm	
Axis:	Z		
Layer type:	Topography		
Length:	51654	nm	
Size:	65531	digits	
Spacing:	0.7882	nm	
NM-points ratio:	0.000 % (0 Pts)		







Identity card			
Name:	Lime3-9_LSM_50x075...filtered (As 2.500 μm)		
File path:	C:\Us...\Lime3-9_LSM_50x075_suf3_Topo.sur		
Created on:	6/24/2020 2:54:34 PM		
Studiabale type:	Surface		
Axis:	X		
Length:	255.5	μm	
Size:	3000	points	
Spacing:	0.08519	μm	
Offset:	0.000	μm	
Axis:	Y		
Length:	255.5	μm	
Size:	3000	points	
Spacing:	0.08519	μm	
Offset:	-255.5	μm	
Axis:	Z		
Layer type:	Topography		
Length:	19719	nm	
Min:	-8280	nm	
Max:	11439	nm	
Size:	250172	digits	
Spacing:	0.07882	nm	
NM-points ratio:	39.75 % (3577236 Pts)		

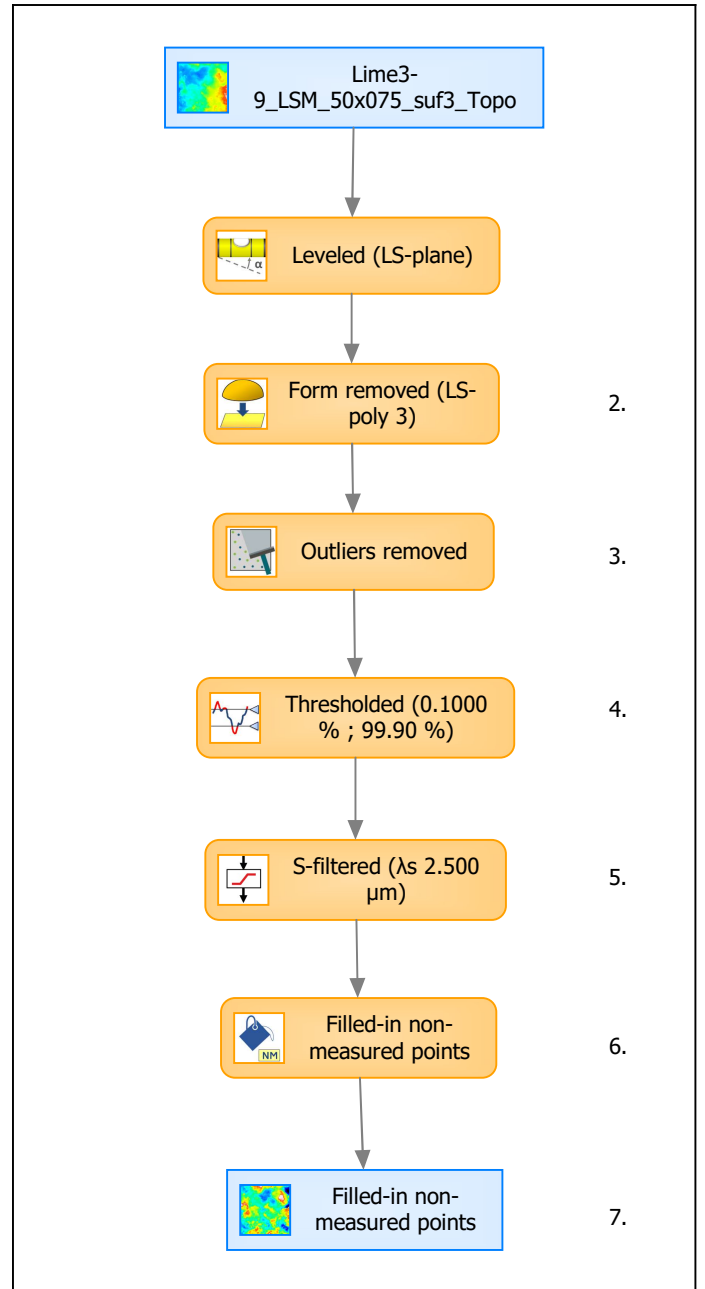


Identity card			
Name:	Lime3-9_LSM_50x075_s...in non-measured points		
Created on:	6/24/2020 2:54:34 PM		
Studiable type:	Surface		
Axis:	X		
Length:	255.5	μm	
Size:	3000	points	
Spacing:	0.08519	μm	
Axis:	Y		
Length:	255.5	μm	
Size:	3000	points	
Spacing:	0.08519	μm	
Axis:	Z		
Layer type:	Topography		
Length:	19719	nm	
Size:	250172	digits	
Spacing:	0.07882	nm	
NM-points ratio:	0.000 % (0 Pts)		

Analyses

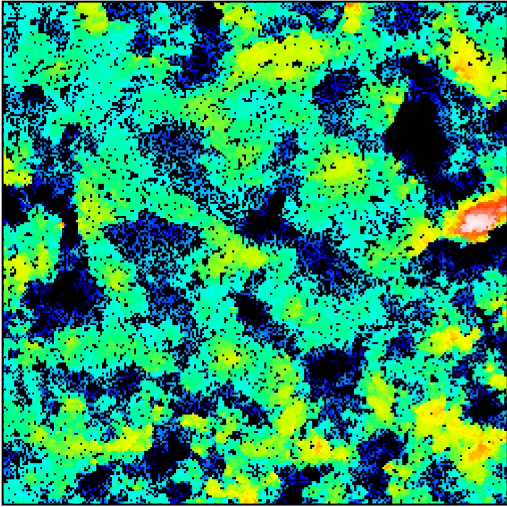
8. ISO 25178-2 parameters on surface #7

ISO 25178 - Primary surface			
<i>F: [Workflow] Form removed (LS-poly 3)</i>			
<i>S-filter (λs): [Workflow] S-filtered (λs 2.500 μm)</i>			
Height parameters			
Sq	3154	nm	
Ssk	0.6024		
Sku	3.689		
Sp	11312	nm	
Sv	8407	nm	
Sz	19719	nm	
Sa	2449	nm	
Functional parameters			
Smr	0.4690	%	
Smc	4211	nm	
Sxp	4869	nm	
Spatial parameters			
Sal	26.11	μm	
Str	0.7232		
Std	163.3	°	
Hybrid parameters			
Sdq	0.8406		
Sdr	22.27	%	
Functional parameters (Volume)			
Vm	0.2114	μm ³ /μm ²	
Vv	4.422	μm ³ /μm ²	
Vmp	0.2114	μm ³ /μm ²	
Vmc	2.593	μm ³ /μm ²	
Vvc	4.144	μm ³ /μm ²	
Vvv	0.2787	μm ³ /μm ²	



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

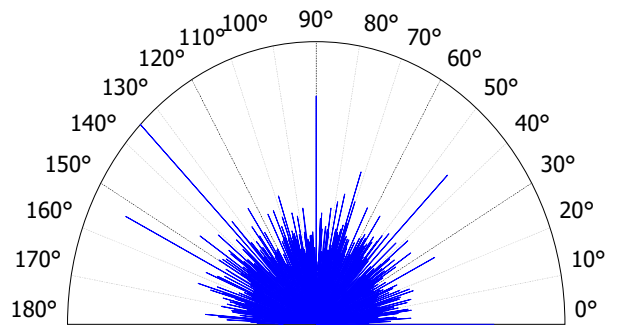
9. Furrow analysis on surface #7



All furrows are shown.

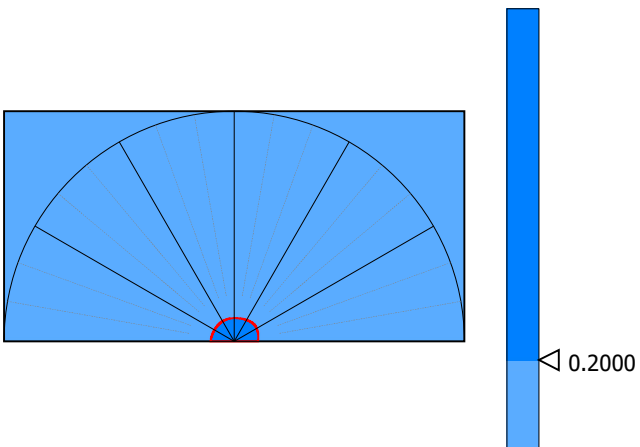
Parameters	Value	Unit
Maximum depth of furrows	12036	nm
Mean depth of furrows	3870	nm
Mean density of furrows	4618	cm/cm2

10. Texture direction on surface #7



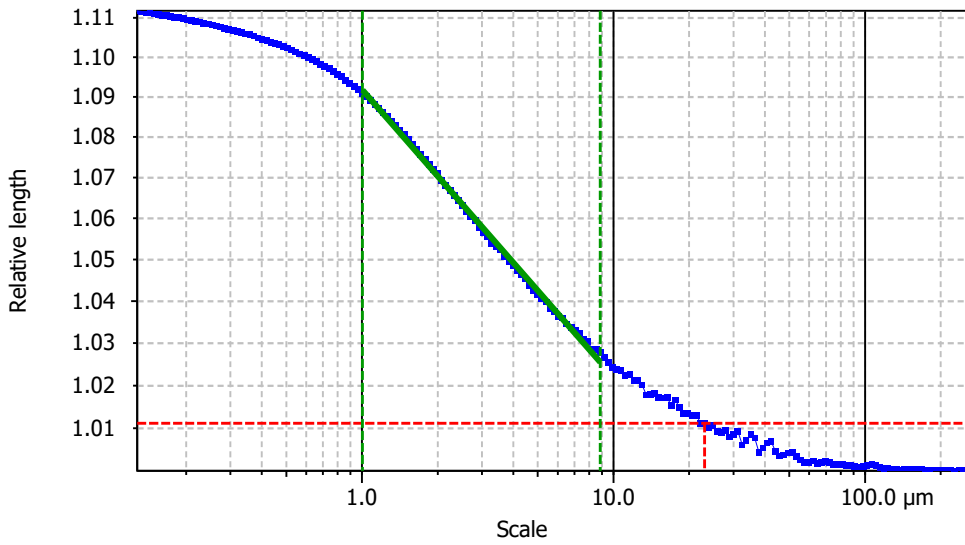
Parameters	Value	Unit
First direction	135.0	°
Second direction	153.5	°
Third direction	90.01	°

11. Texture isotropy on surface #7



Parameters	Value	Unit
Isotropy	87.77	%

12. SSFA on surface #7



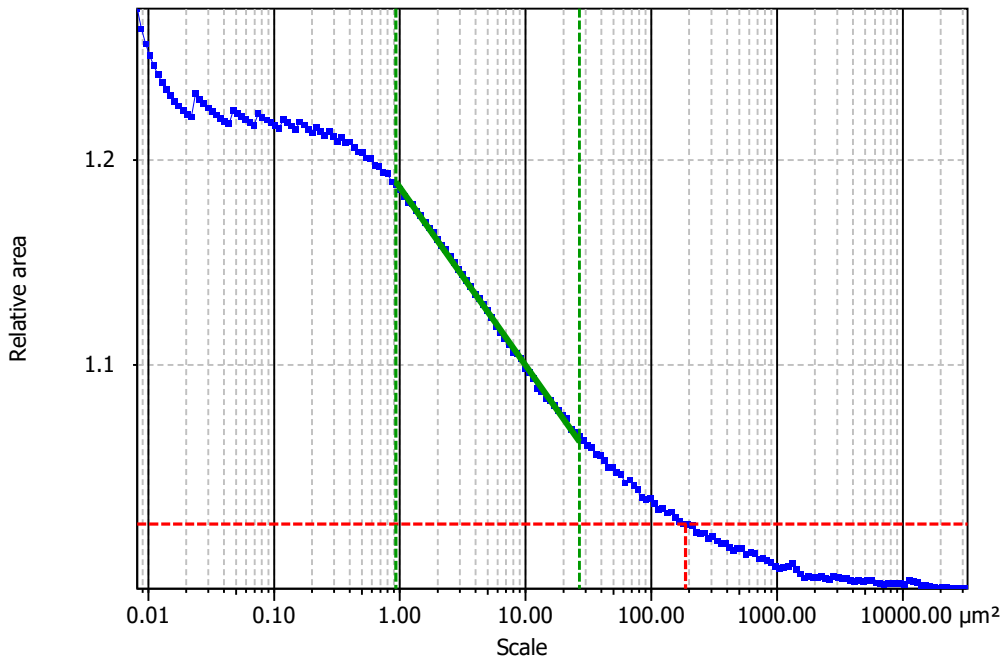
Information

Method Length-scale (rows)

Parameters Value Unit Comment

epLsar 0.0006446 Length-scale anisotropy (Sfrax) (1.8 μm, 5°)

NewEplsar 0.01795 Length-scale anisotropy (1.8 μm, 5°)



Information

Method Area-scale (four corners)

Parameters Value Unit Comment

Asfc 32.87 Fractal complexity

Smfc 4.628 μm² Scale of max complexity

HAsfc9 0.2963 Heterogeneity of Asfc (3x3)

HAsfc81 0.5723 Heterogeneity of Asfc (9x9)