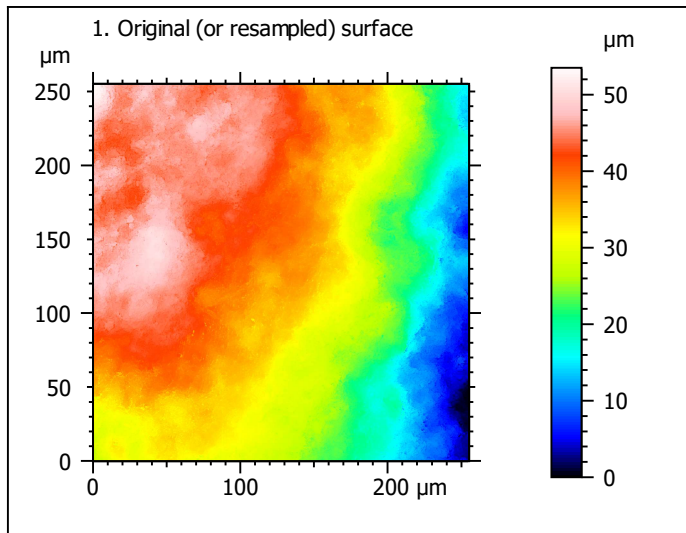


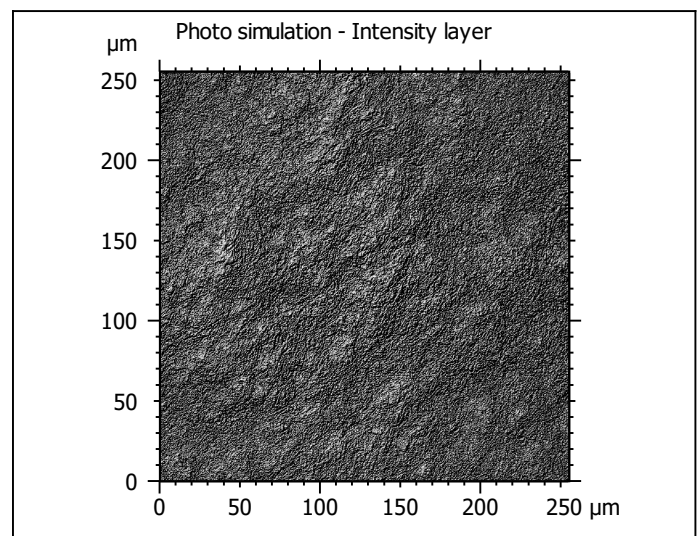
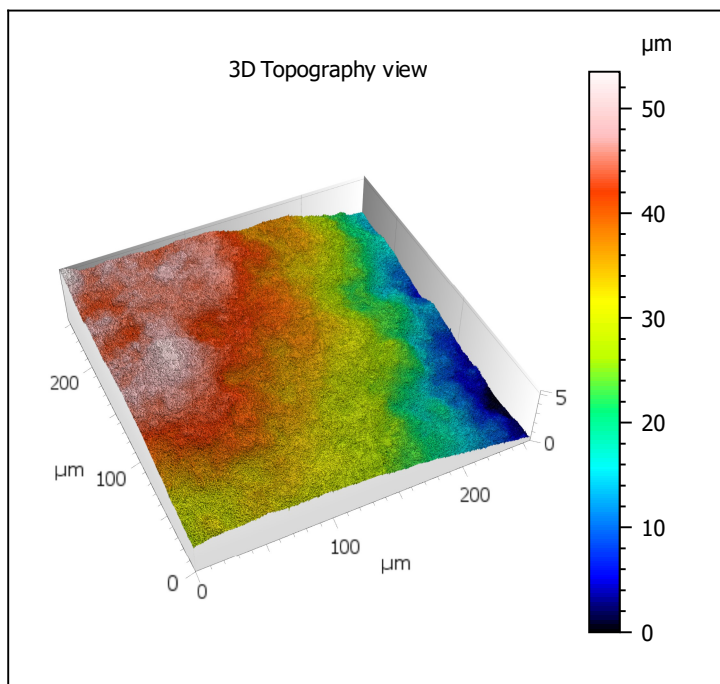
Template - Processing analysis

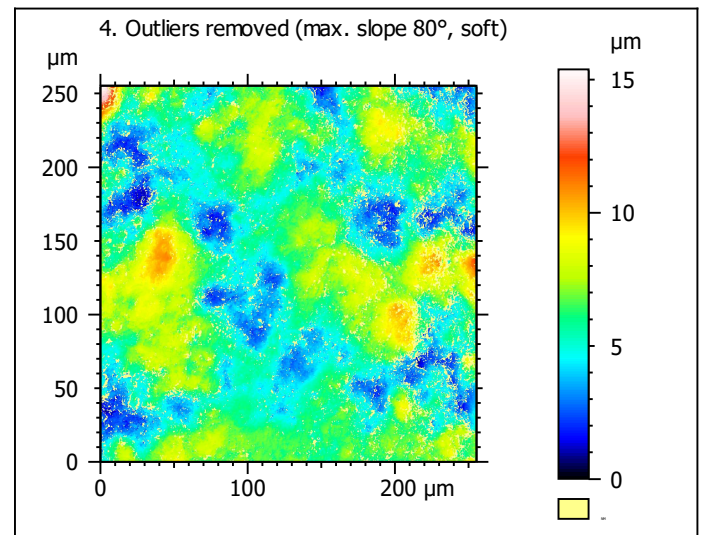
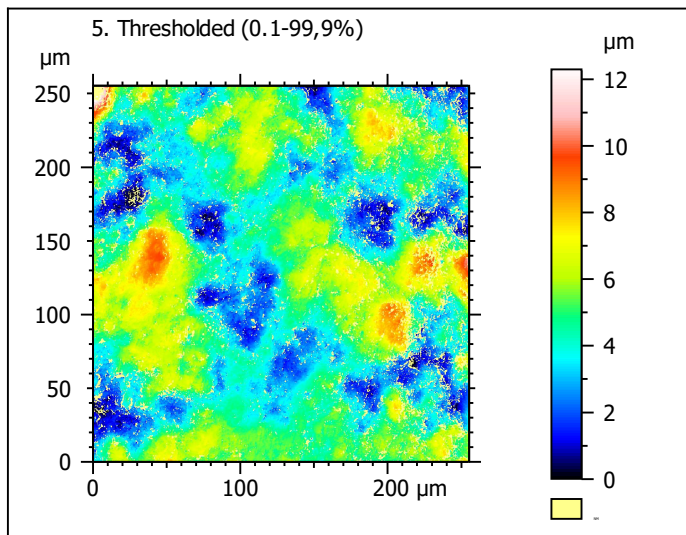
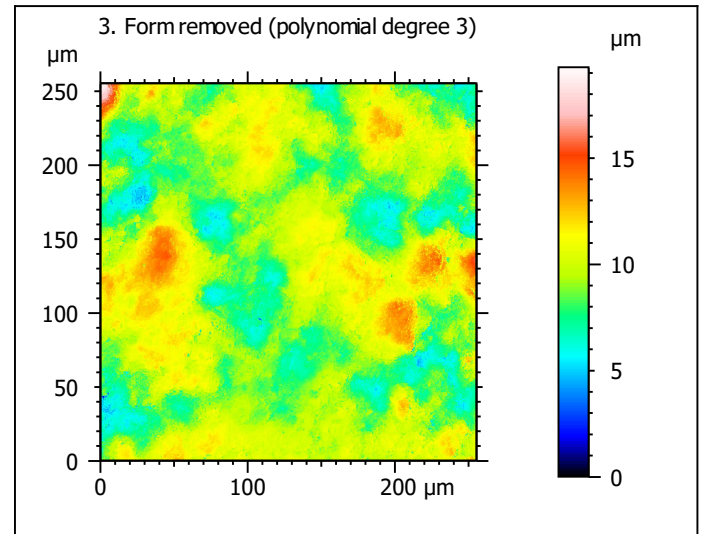
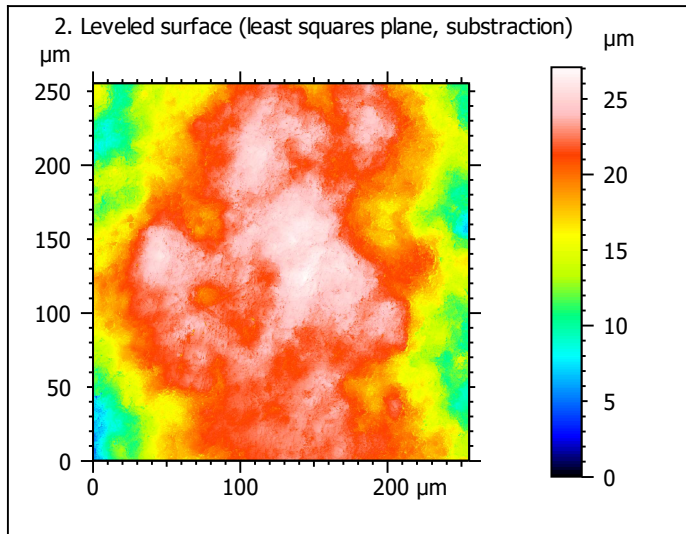
Template to process all surfaces acquired with the Zeiss LSM 800 with the 50x/0.75 objective.

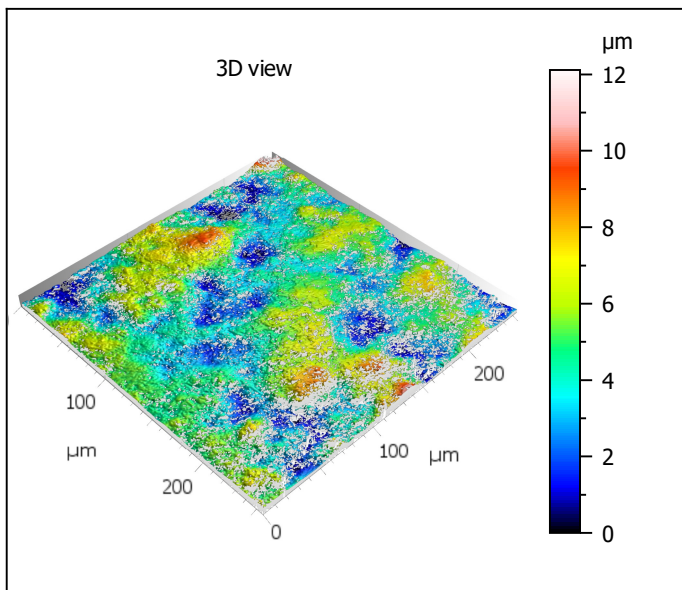
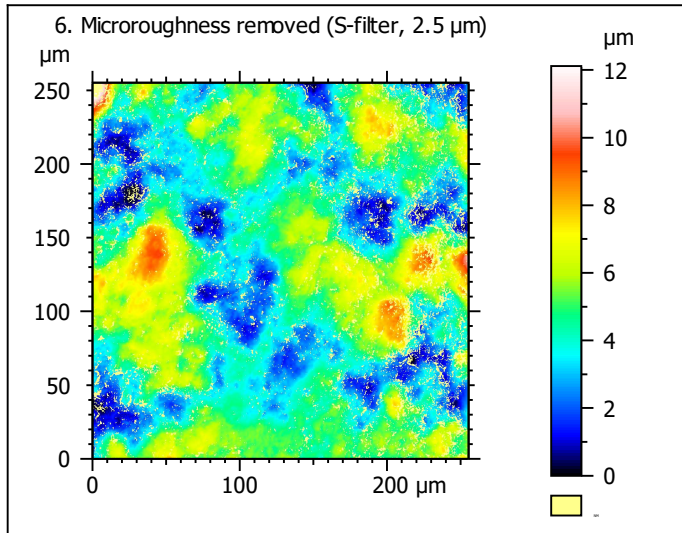
Processing



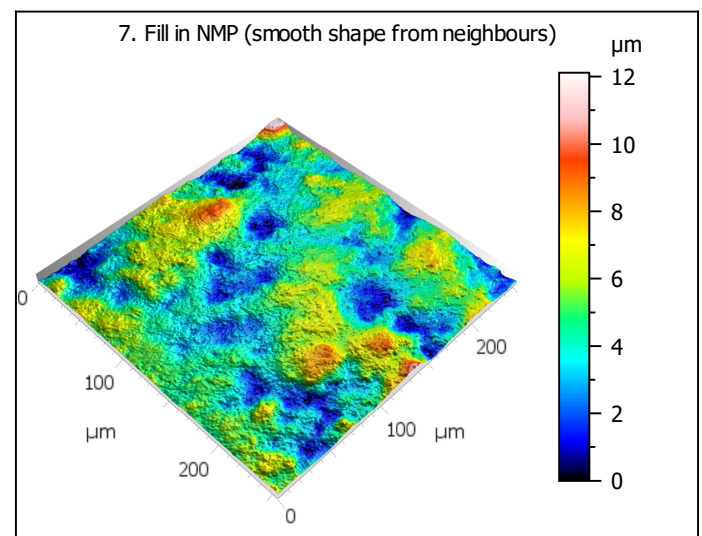
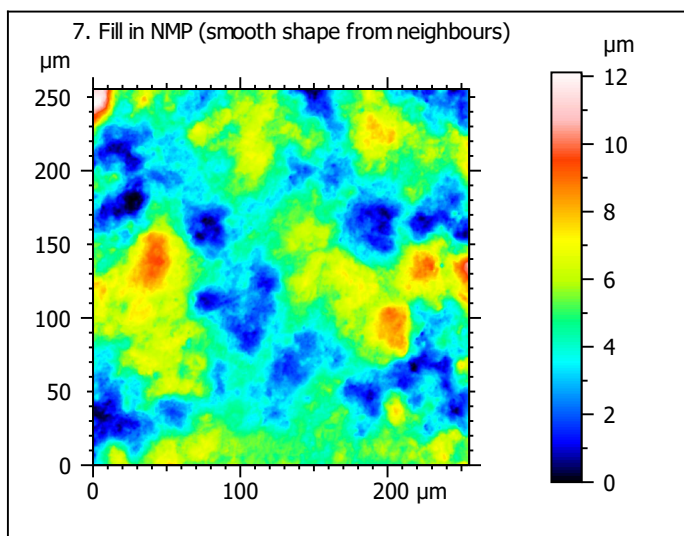
Identity card			
Name:	lime6-7_lsm_50x-0.75_...10_1000rot_surf2_Topo		
Created on:	9/10/2020 3:13:35 PM		
Studiable type:	Surface		
Axis:	X		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
Axis:	Y		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
Axis:	Z		
Layer type:	Topography		
Length:	53.53	μm	
Size:	65532	digits	
Spacing:	0.8168	nm	
NM-points ratio:	0.000 % (0 Pts)		







Identity card			
Name:	lime6-7_lsm_50x-0.75...filtered (λs 2.500 μm)		
File path:	D:\Dropbox\jmmarreir...00rot_surf2_Topo.sur		
Created on:	9/10/2020 3:13:35 PM		
Studiable 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:	12.12	μm	
Min:	-4.365	μm	
Max:	7.751	μm	
Size:	148320	digits	
Spacing:	0.08168	nm	
NM-points ratio:	20.47 % (214631 Pts)		

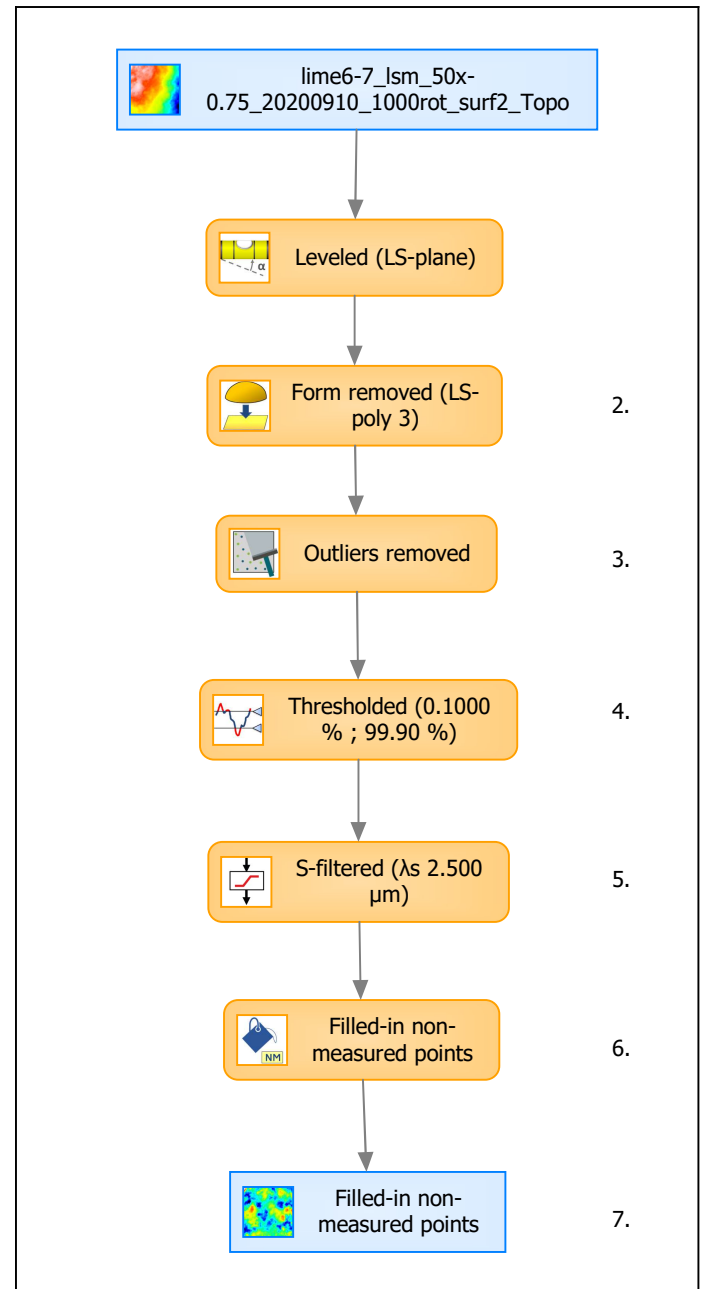


Identity card			
Name:	lime6-7_lsm_50x-0.75_...in non-measured points		
Created on:	9/10/2020 3:13:35 PM		
Studiable type:	Surface		
Axis:	X		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
Axis:	Y		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
Axis:	Z		
Layer type:	Topography		
Length:	12.12	μm	
Size:	148320	digits	
Spacing:	0.08168	nm	
NM-points ratio:	0.000 % (0 Pts)		

Analyses

8. ISO 25178-2 parameters on surface #7

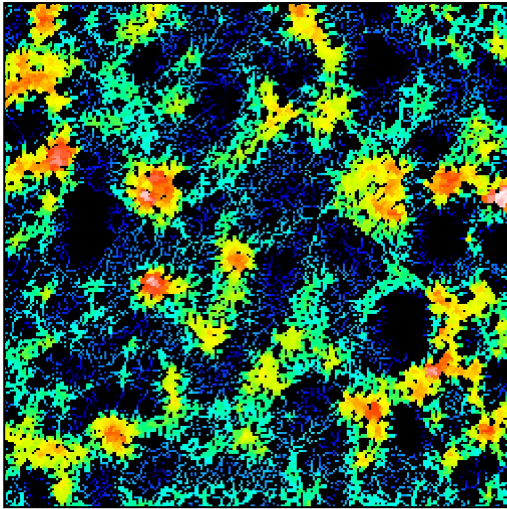
ISO 25178 - Primary surface			
<i>F: [Workflow] Form removed (LS-poly 3)</i>			
<i>S-filter (λs): [Workflow] S-filtered (λs 2.500 μm)</i>			
Height parameters			
Sq	1.701	μm	
Ssk	0.1704		
Sku	3.174		
Sp	7.691	μm	
Sv	4.424	μm	
Sz	12.12	μm	
Sa	1.368	μm	
Functional parameters			
Smr	0.1383	%	
Smc	2.081	μm	
Sxp	3.268	μm	
Spatial parameters			
Sal	24.30	μm	
Str	0.7342		
Std	81.50	°	
Hybrid parameters			
Sdq	0.3513		
Sdr	5.662	%	
Functional parameters (Volume)			
Vm	0.09106	μm³/μm²	
Vv	2.172	μm³/μm²	
Vmp	0.09106	μm³/μm²	
Vmc	1.548	μm³/μm²	
Vvc	1.989	μm³/μm²	
Vvv	0.1827	μm³/μm²	



Analyses:

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

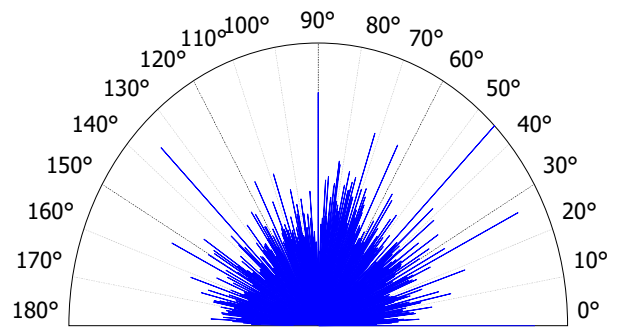
9. Furrow analysis on surface #7



All furrows are shown.

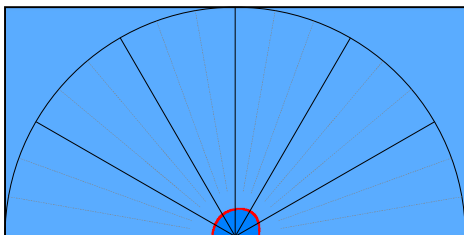
Parameters	Value	Unit
Maximum depth of furrows	5.585	μm
Mean depth of furrows	1.742	μm
Mean density of furrows	2558	cm/cm2

10. Texture direction on surface #7



Parameters	Value	Unit
First direction	45.01	°
Second direction	26.45	°
Third direction	135.0	°

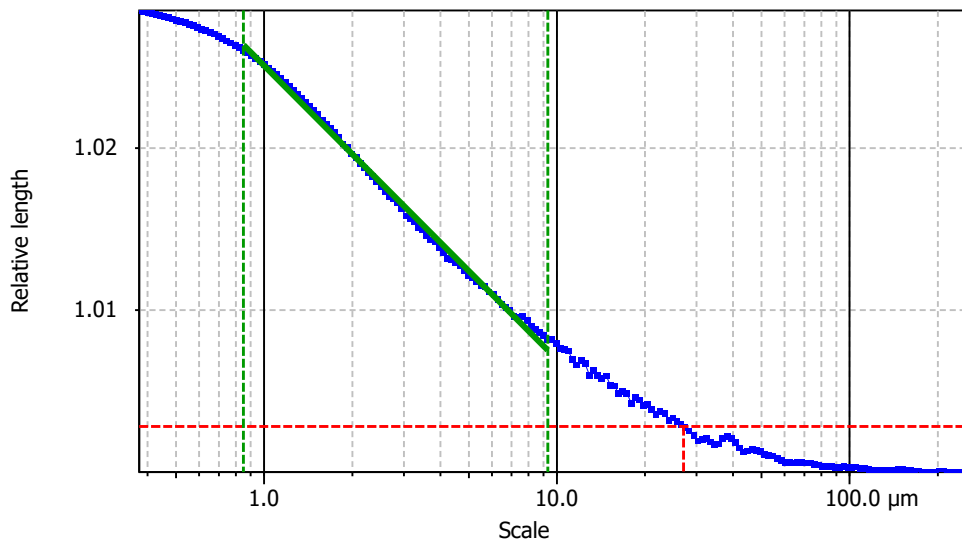
11. Texture isotropy on surface #7



0.2000

Parameters	Value	Unit
Texture isotropy	79.36	%

12. SSFA on surface #7



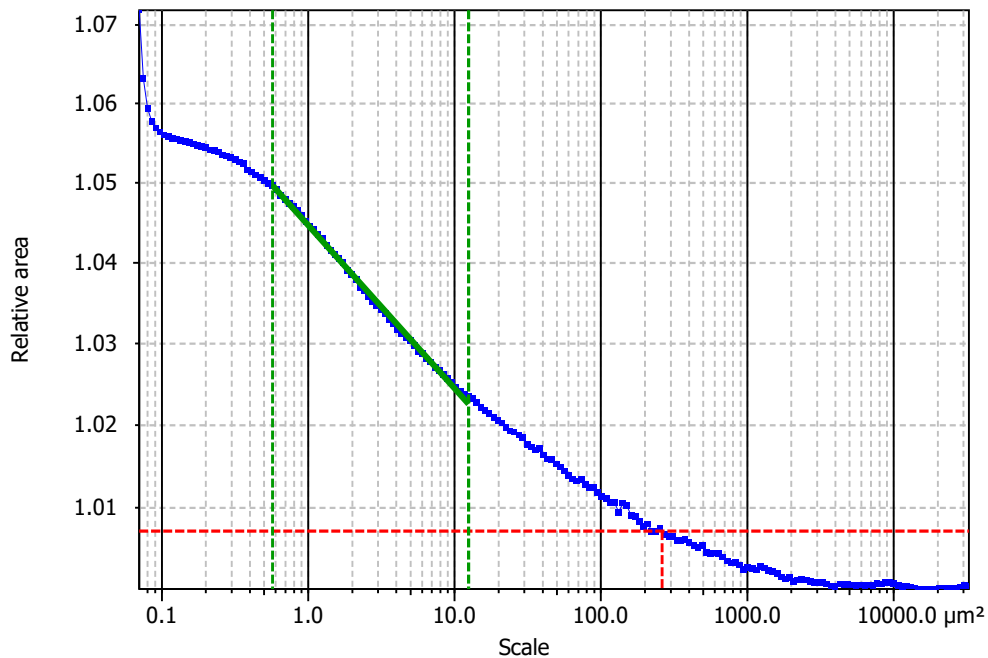
Information

Method Length-scale (rows)

Parameters Value Unit Comment

epLsar 0.0004216 Length-scale anisotropy (Sfrax) (1.8 μm, 5°)

NewEplsar 0.01754 Length-scale anisotropy (1.8 μm, 5°)



Information

Method Area-scale (four corners)

Parameters Value Unit Comment

Asfc 8.466 Fractal complexity

Smfc 1.860 μm² Scale of max complexity

HAsfc9 0.1856 Heterogeneity of Asfc (3x3)

HAsfc81 0.2438 Heterogeneity of Asfc (9x9)