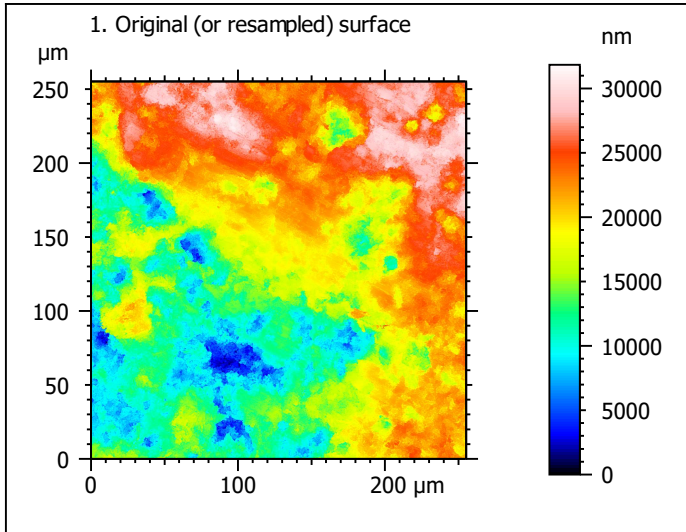


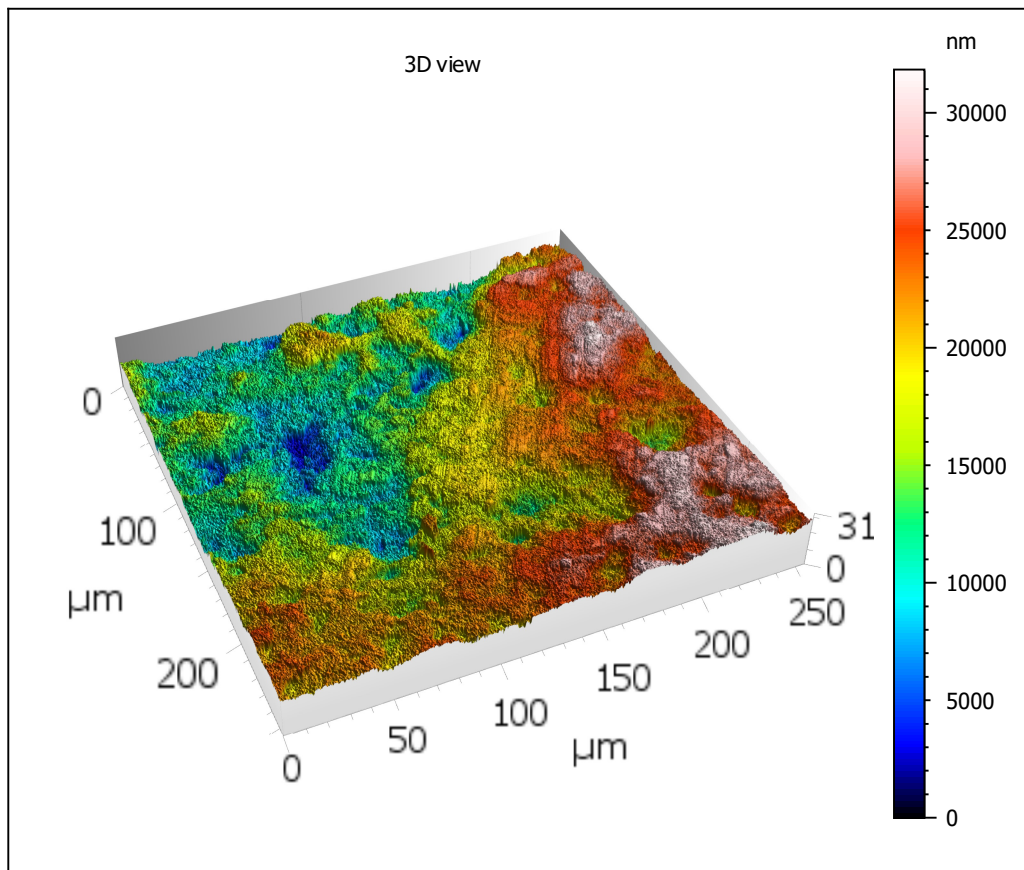
### Template - Processing analysis

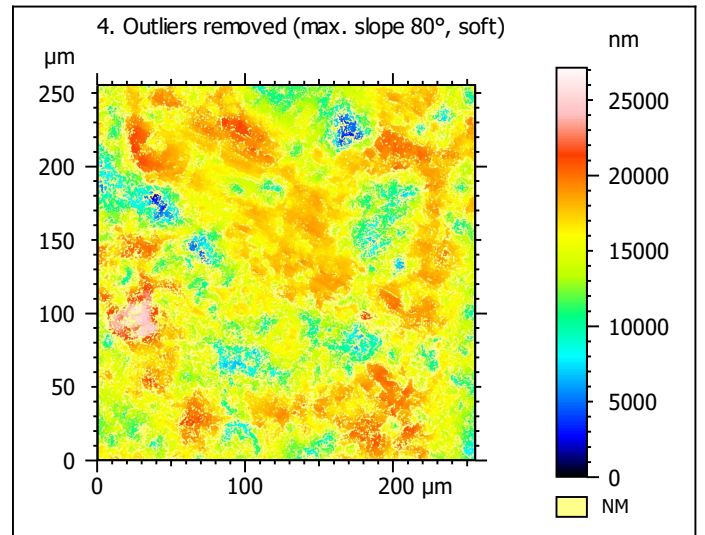
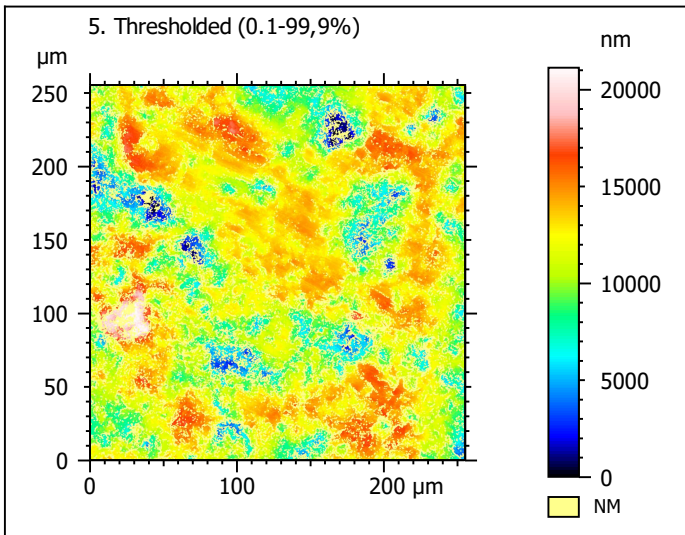
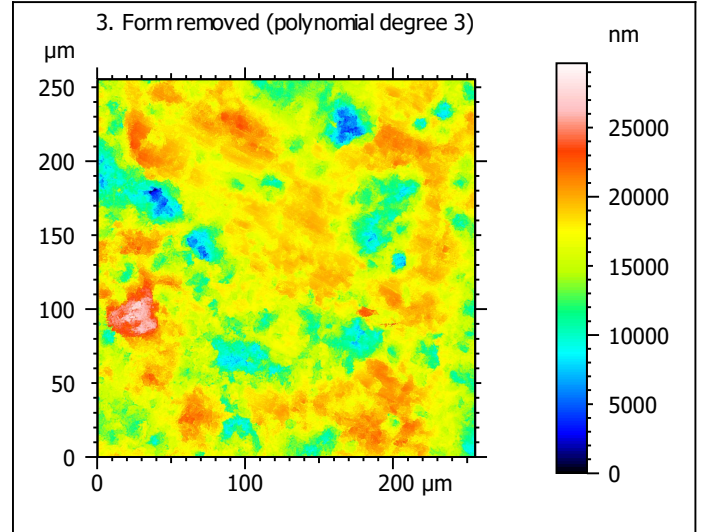
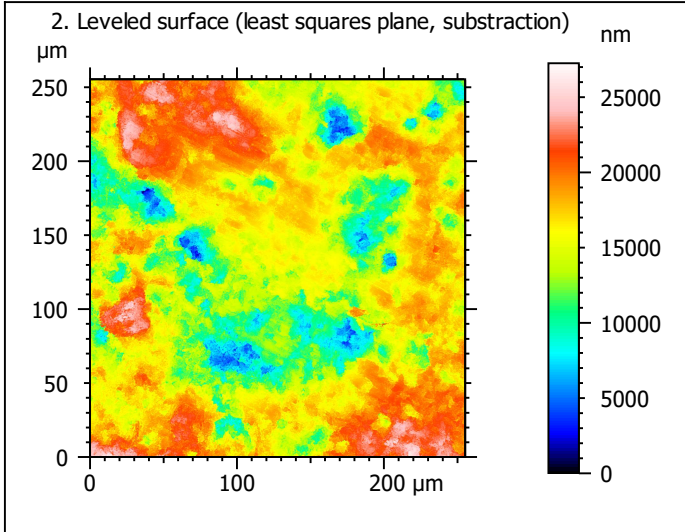
Template to process all surfaces acquired with the LSM with the 50x/0.75 and 50x/0.95 objectives.

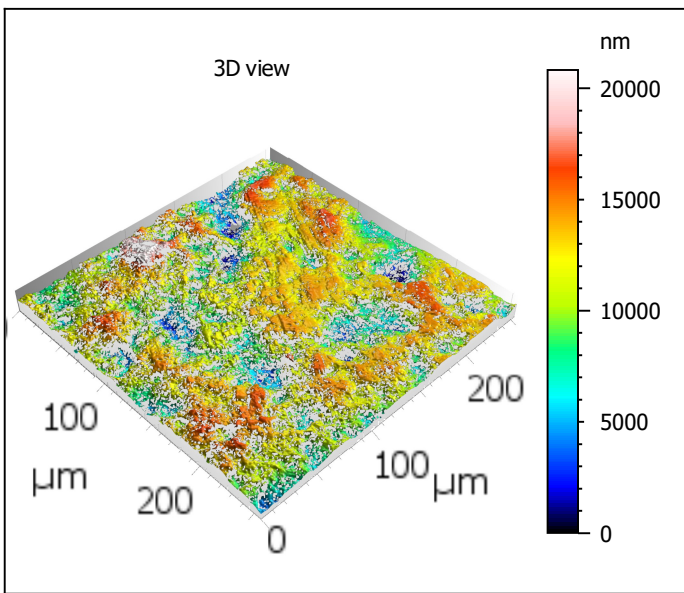
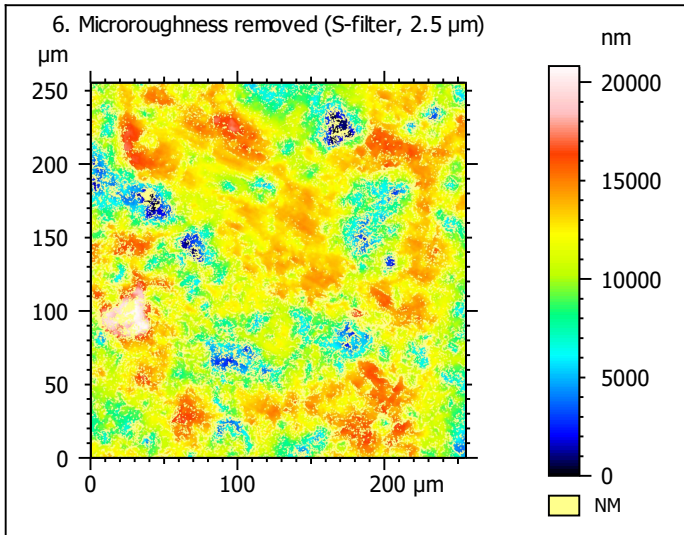
### Processing



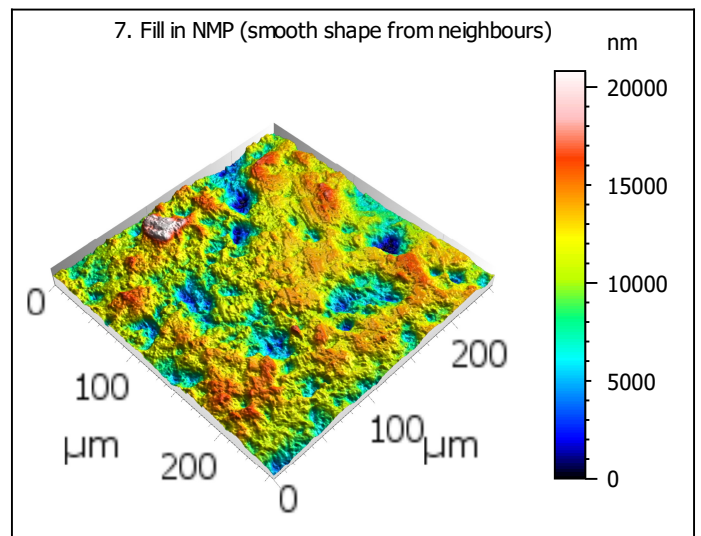
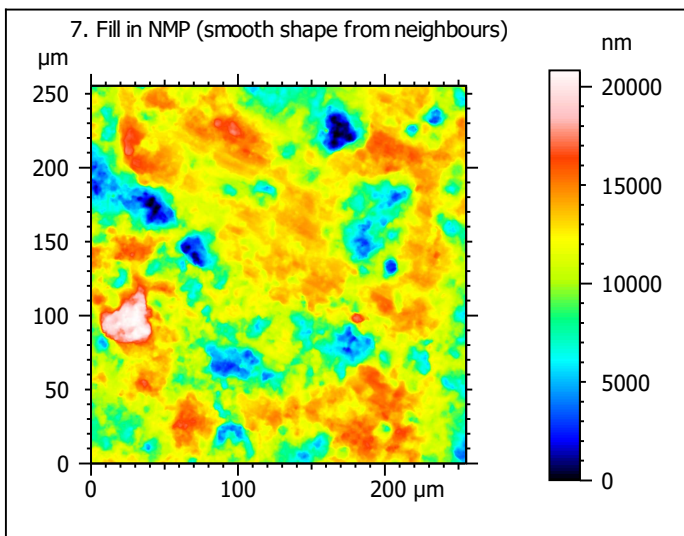
Identity card			
Name:	Lime3-8_LSM_50x075_surface3_Topo		
Created on:	9/14/2020 10:17:46 AM		
Studiabile type:	Surface		
<b>Axis:</b>	<b>X</b>		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
<b>Axis:</b>	<b>Y</b>		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	31841	nm	
Size:	65532	digits	
Spacing:	0.4859	nm	
NM-points ratio:	0.000 % (0 Pts)		







Identity card			
Name:	Lime3-8_LSM_50x075...filtered ( $\lambda$ s 2.500 $\mu\text{m}$ )		
File path:	C:\Lime3-8_LSM_50x075_surface3_Topo.sur		
Created on:	9/14/2020 10:17:46 AM		
Studiable type:	Surface		
<b>Axis:</b>	<b>X</b>		
Length:	255.3	$\mu\text{m}$	
Size:	1024	points	
Spacing:	0.2496	$\mu\text{m}$	
Offset:	0.000	$\mu\text{m}$	
<b>Axis:</b>	<b>Y</b>		
Length:	255.3	$\mu\text{m}$	
Size:	1024	points	
Spacing:	0.2496	$\mu\text{m}$	
Offset:	-255.3	$\mu\text{m}$	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	20820	nm	
Min:	-11030	nm	
Max:	9790	nm	
Size:	428496	digits	
Spacing:	0.04859	nm	
NM-points ratio:	28.71 % (301089 Pts)		

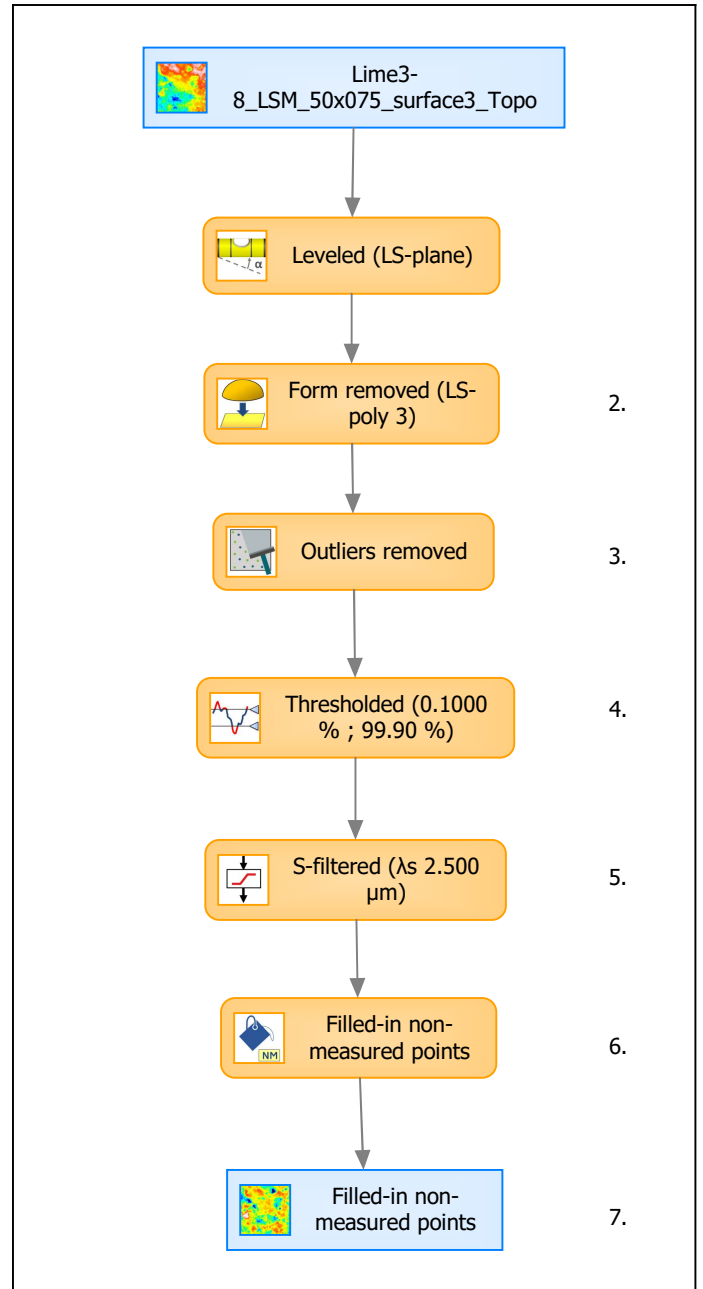


Identity card			
Name:	Lime3-8_LSM_50x075_s...in non-measured points		
Created on:	9/14/2020 10:17:46 AM		
Studiable type:	Surface		
<b>Axis:</b>	<b>X</b>		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
<b>Axis:</b>	<b>Y</b>		
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	20820	nm	
Size:	428496	digits	
Spacing:	0.04859	nm	
NM-points ratio:	0.000 % (0 Pts)		

### Analyses

#### 8. ISO 25178-2 parameters on surface #7

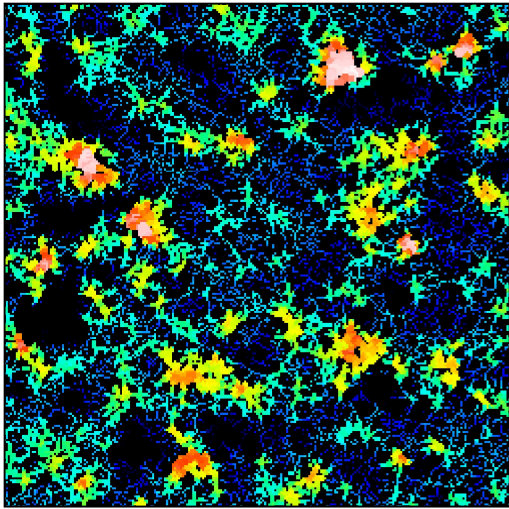
ISO 25178 - Primary surface			
<i>F: [Workflow] Form removed (LS-poly 3)</i>			
<i>S-filter (λs): [Workflow] S-filtered (λs 2.500 μm)</i>			
Height parameters			
Sq	2975	nm	
Ssk	-0.519		
Sku	3.749		
Sp	9714	nm	
Sv	11106	nm	
Sz	20820	nm	
Sa	2321	nm	
Functional parameters			
Smr	0.4048	%	
Smc	3214	nm	
Sxp	7132	nm	
Spatial parameters			
Sal	19.67	μm	
Str	0.6979		
Std	94.01	°	
Hybrid parameters			
Sdq	0.7623		
Sdr	21.27	%	
Functional parameters (Volume)			
Vm	0.1303	μm <sup>3</sup> /μm <sup>2</sup>	
Vv	3.344	μm <sup>3</sup> /μm <sup>2</sup>	
Vmp	0.1303	μm <sup>3</sup> /μm <sup>2</sup>	
Vmc	2.621	μm <sup>3</sup> /μm <sup>2</sup>	
Vvc	2.902	μm <sup>3</sup> /μm <sup>2</sup>	
Vvv	0.4429	μm <sup>3</sup> /μm <sup>2</sup>	



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



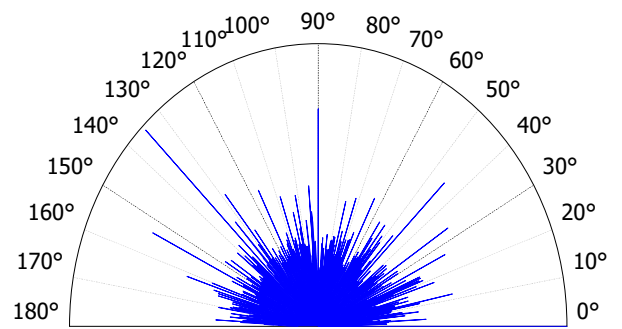
9. Furrow analysis on surface #7



All furrows are shown.

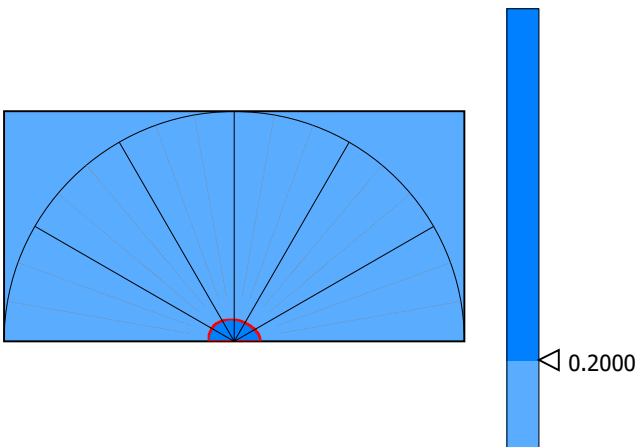
Parameters	Value	Unit
Maximum depth of furrows	12503	nm
Mean depth of furrows	3417	nm
Mean density of furrows	2298	cm/cm2

10. Texture direction on surface #7



Parameters	Value	Unit
First direction	0.008114	°
Second direction	135.0	°
Third direction	90.01	°

11. Texture isotropy on surface #7



Parameters	Value	Unit
Isotropy	81.12	%

12. SSFA on surface #7

