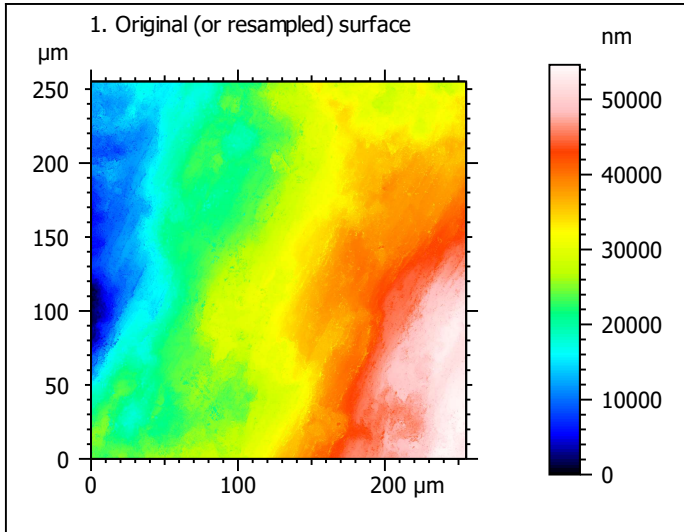


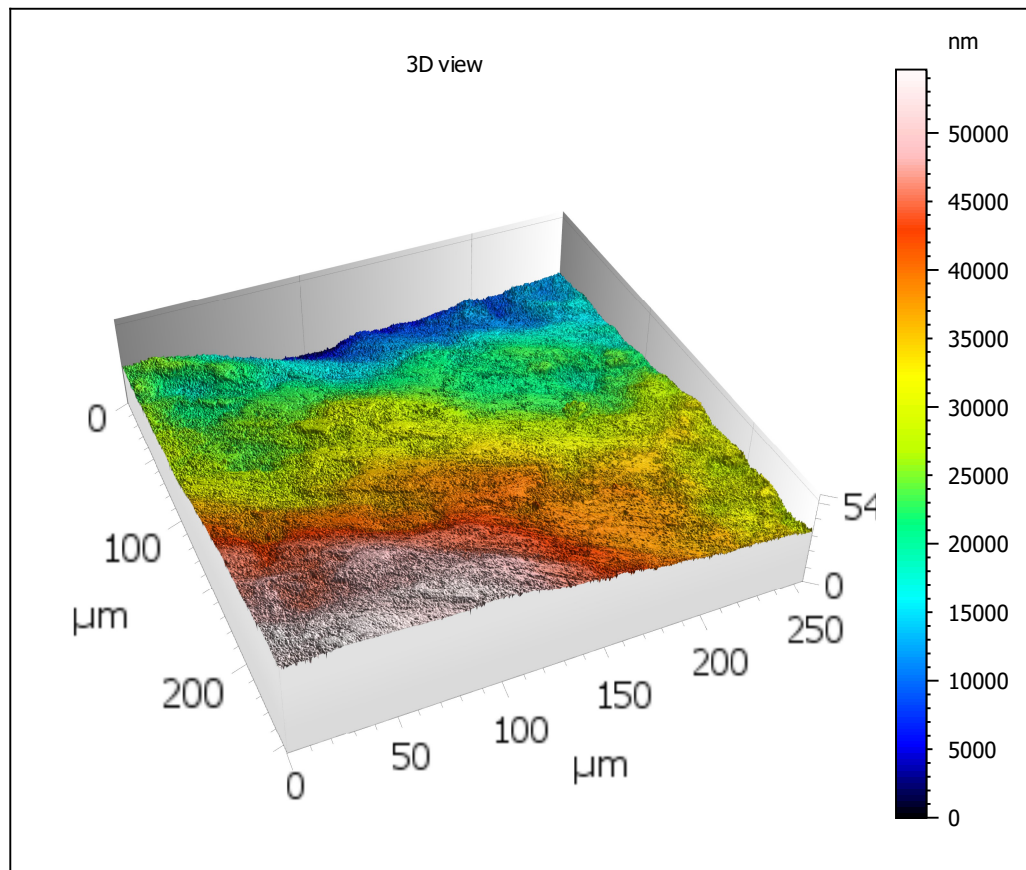
### Template - Processing analysis

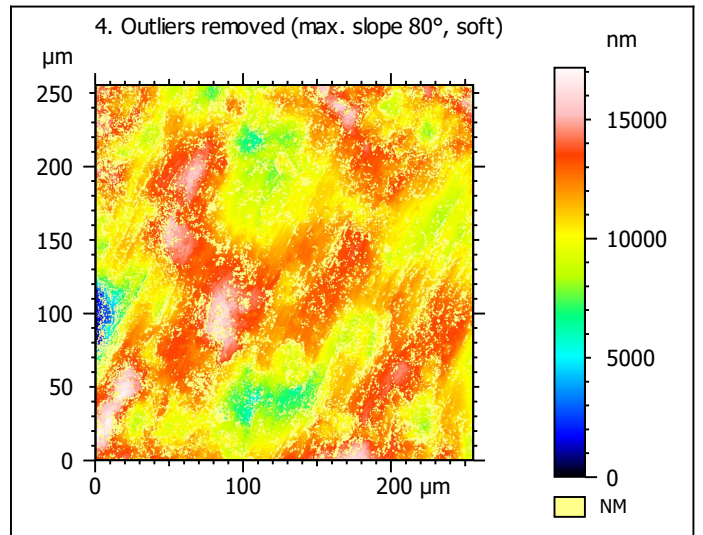
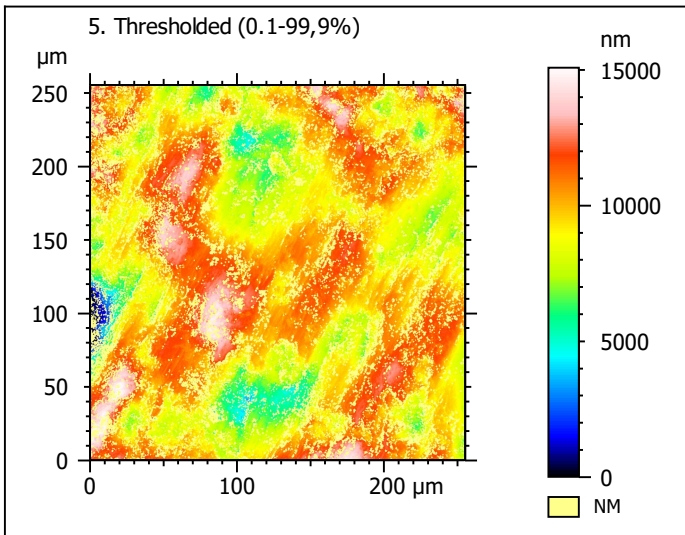
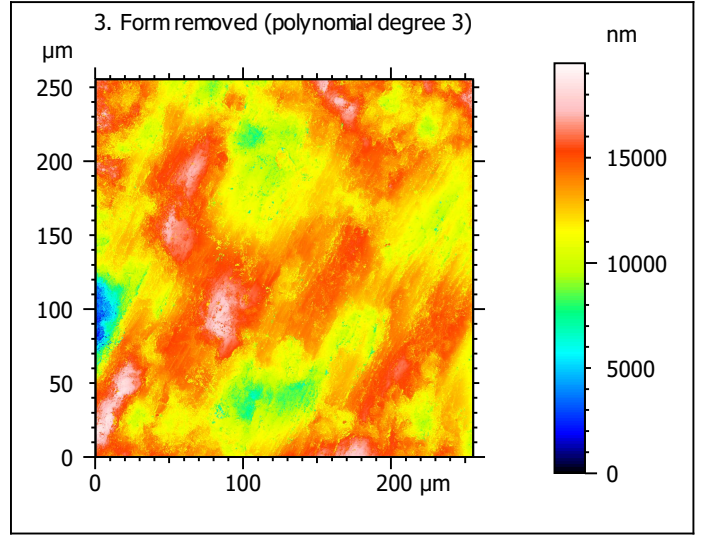
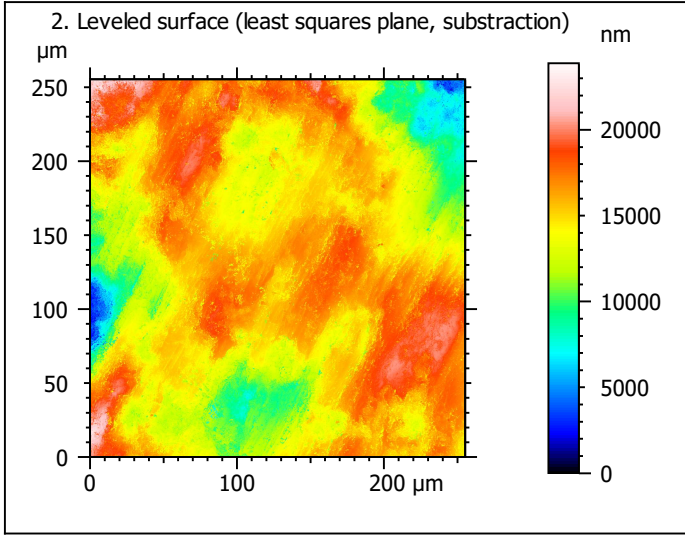
Template to process all surfaces acquired with the LSM with the 50x/0.75 and 50x/0.95 objectives.

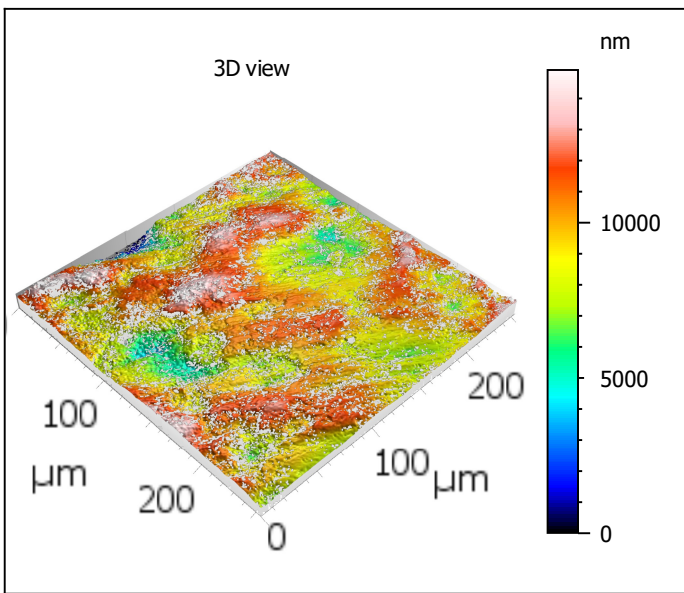
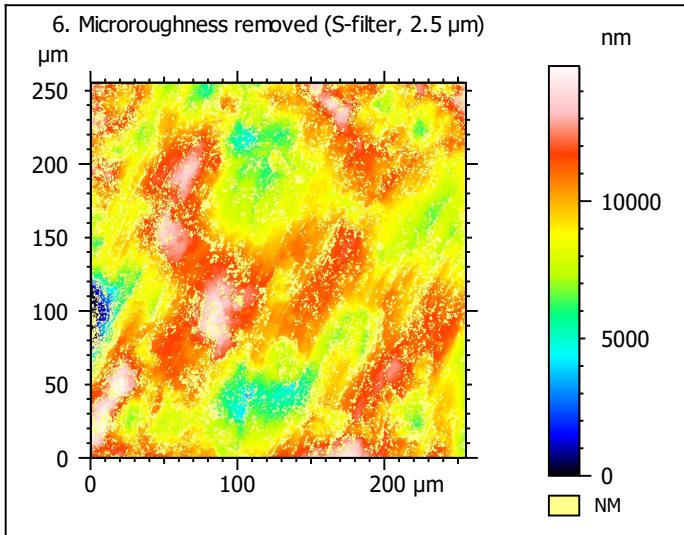
### Processing



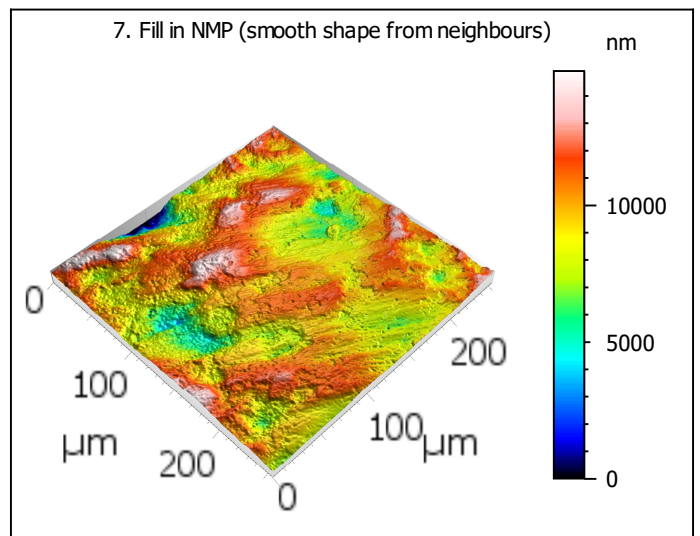
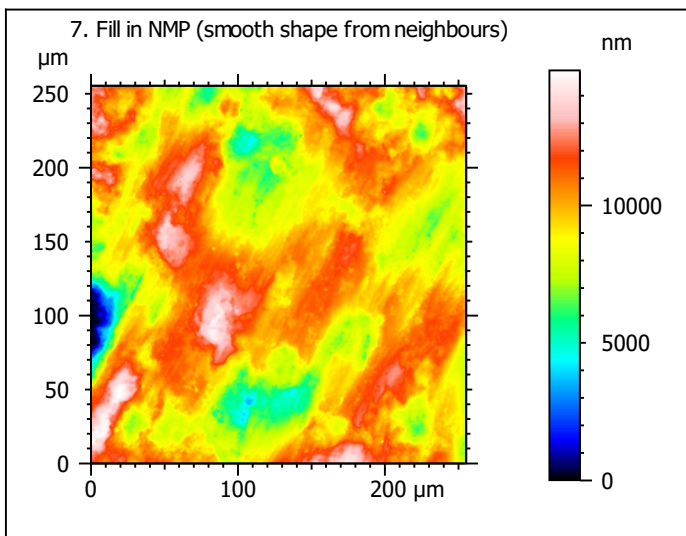
Identity card			
Name:	lime6-3_lsm_50x-0.75_20200915_surf2_Topo		
Created on:	9/15/2020 11:11:26 AM		
Studiabile type:	Surface		
<b>Axis:</b>	<b>X</b>		
Length:	255.3	µm	
Size:	1024	points	
Spacing:	0.2496	µm	
<b>Axis:</b>	<b>Y</b>		
Length:	255.3	µm	
Size:	1024	points	
Spacing:	0.2496	µm	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	54626	nm	
Size:	65532	digits	
Spacing:	0.8336	nm	
NM-points ratio:	0.000 % (0 Pts)		







Identity card			
Name:	lime6-3_lsm_50x-0.75...filtered (As 2.500 $\mu\text{m}$ )		
File path:	C:\Users\marreiros.R...0915_surf2_Topo.sur		
Created on:	9/15/2020 11:11:26 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:	14917	nm	
Min:	-9443	nm	
Max:	5474	nm	
Size:	178946	digits	
Spacing:	0.08336	nm	
NM-points ratio:	24.35 % (255378 Pts)		

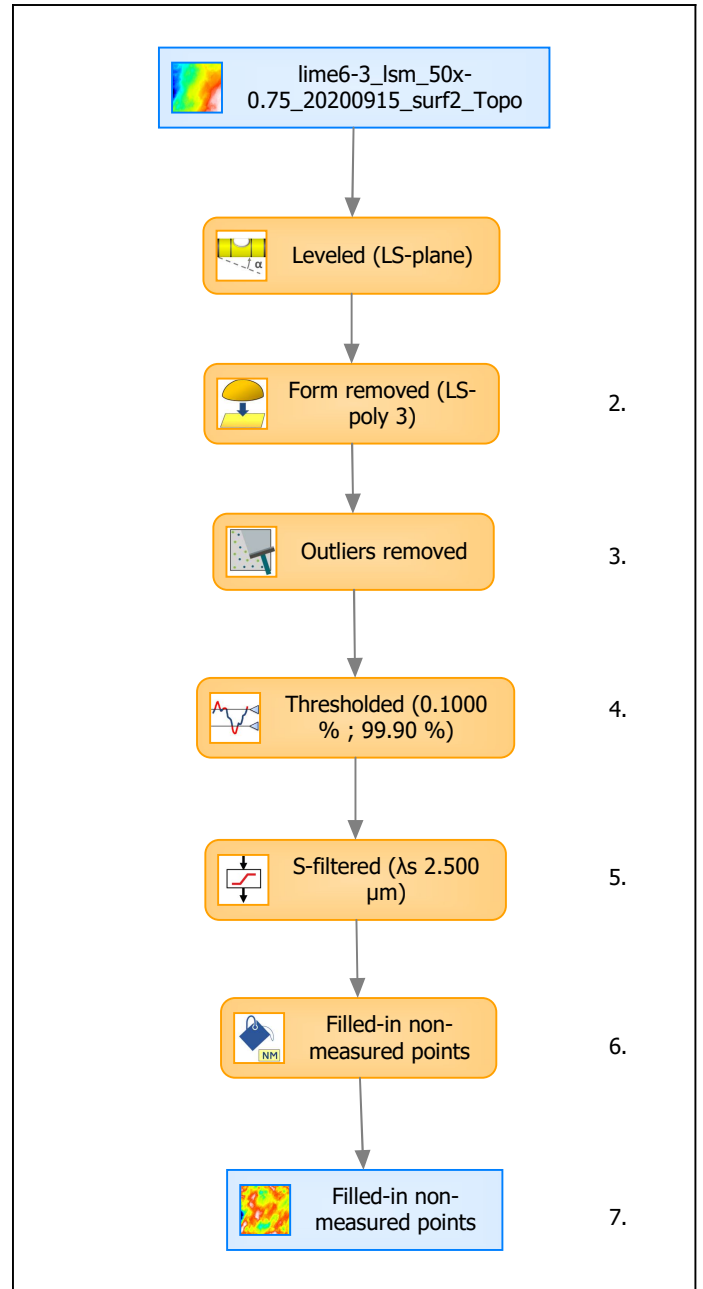


Identity card			
Name:	lime6-3_lsm_50x-0.75_...in non-measured points		
Created on:	9/15/2020 11:11:26 AM		
Studiable type:	Surface		
<b>Axis: X</b>			
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
<b>Axis: Y</b>			
Length:	255.3	μm	
Size:	1024	points	
Spacing:	0.2496	μm	
<b>Axis: Z</b>			
Layer type:	Topography		
Length:	14917	nm	
Size:	178946	digits	
Spacing:	0.08336	nm	
NM-points ratio:	0.000 % (0 Pts)		

### Analyses

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

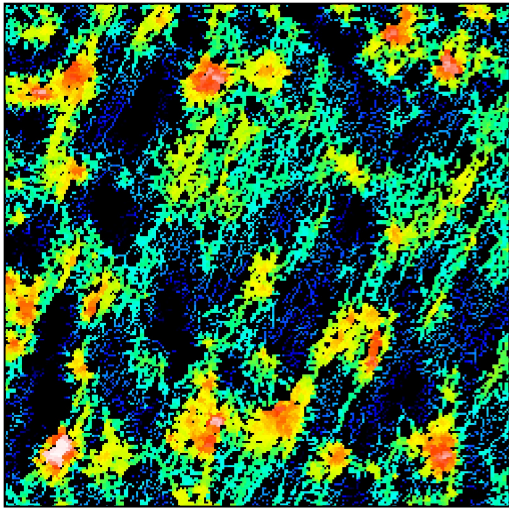
ISO 25178 - Primary surface			
<i>F: [Workflow] Form removed (LS-poly 3)</i>			
<i>S-filter (λs): [Workflow] S-filtered (λs 2.500 μm)</i>			
Height parameters			
Sq	1942	nm	
Ssk	-0.5512		
Sku	4.671		
Sp	5376	nm	
Sv	9540	nm	
Sz	14917	nm	
Sa	1510	nm	
Functional parameters			
Smr	0.8498	%	
Smc	2264	nm	
Sxp	4016	nm	
Spatial parameters			
Sal	24.39	μm	
Str	0.5603		
Std	64.75	°	
Hybrid parameters			
Sdq	0.3606		
Sdr	5.875	%	
Functional parameters (Volume)			
Vm	0.09096	μm <sup>3</sup> /μm <sup>2</sup>	
Vv	2.355	μm <sup>3</sup> /μm <sup>2</sup>	
Vmp	0.09096	μm <sup>3</sup> /μm <sup>2</sup>	
Vmc	1.668	μm <sup>3</sup> /μm <sup>2</sup>	
Vvc	2.109	μm <sup>3</sup> /μm <sup>2</sup>	
Vvv	0.2464	μm <sup>3</sup> /μm <sup>2</sup>	



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



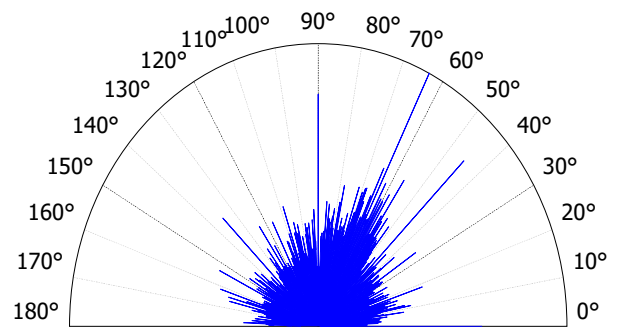
9. Furrow analysis on surface #7



All furrows are shown.

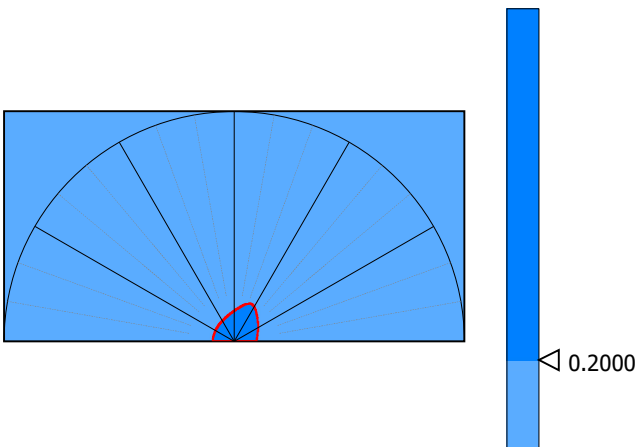
Parameters	Value	Unit
Maximum depth of furrows	5426	nm
Mean depth of furrows	1815	nm
Mean density of furrows	2516	cm/cm2

10. Texture direction on surface #7



Parameters	Value	Unit
First direction	63.52	°
Second direction	45.01	°
Third direction	90.01	°

11. Texture isotropy on surface #7



Parameters	Value	Unit
Isotropy	52.22	%

12. SSFA on surface #7

