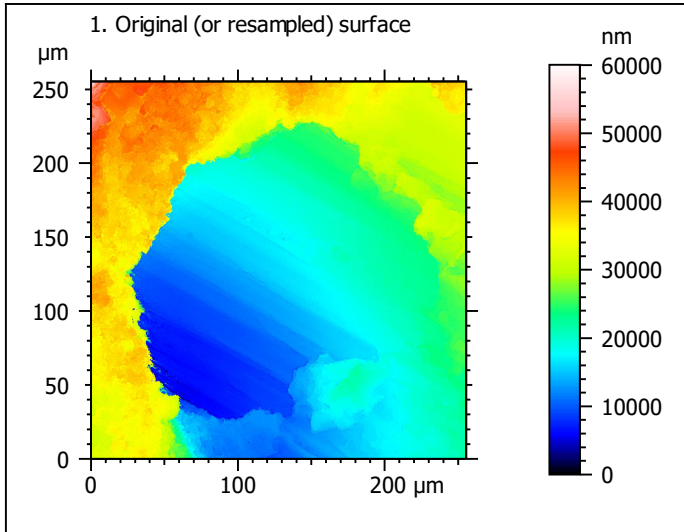


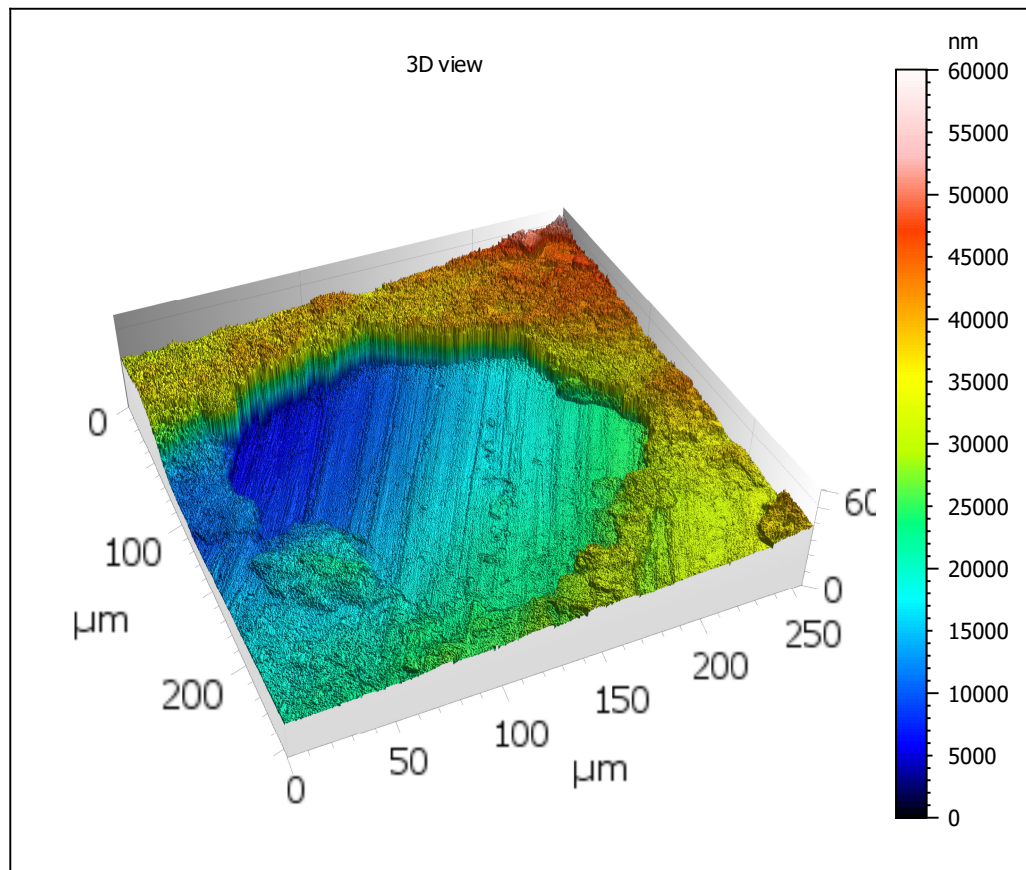
### Template - Processing analysis

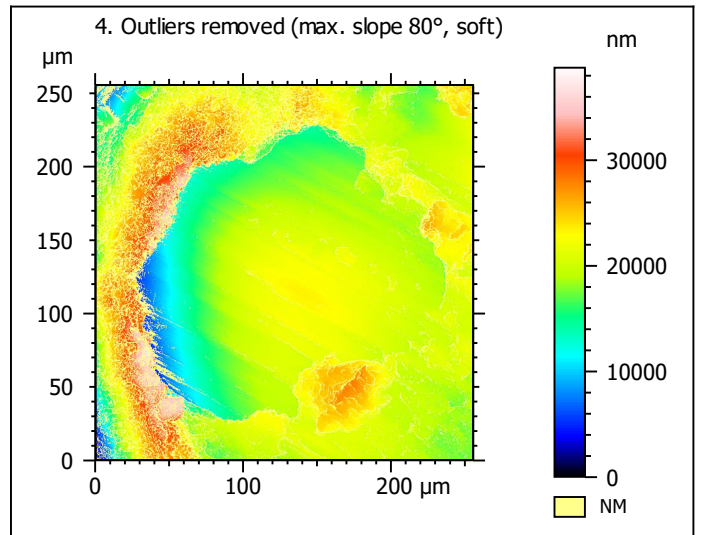
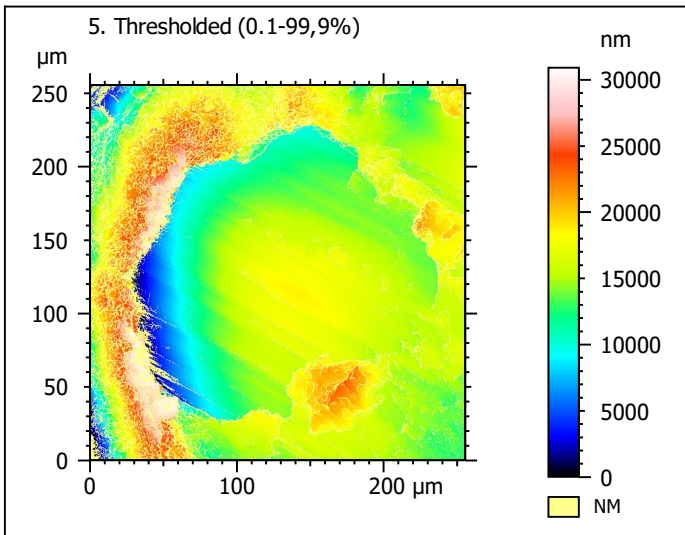
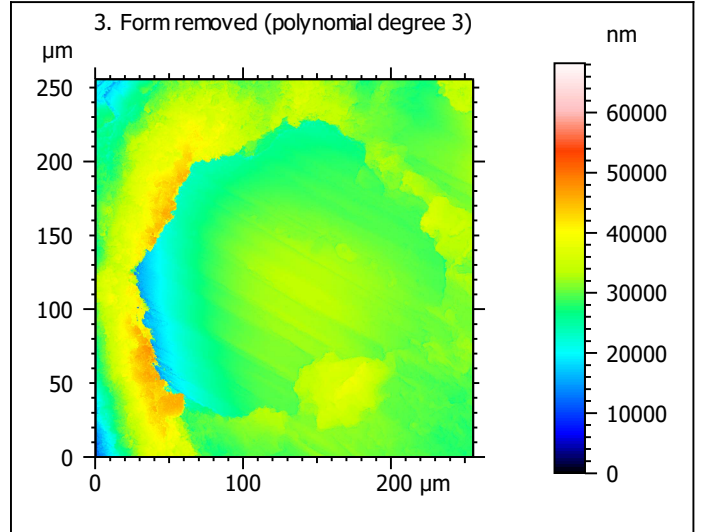
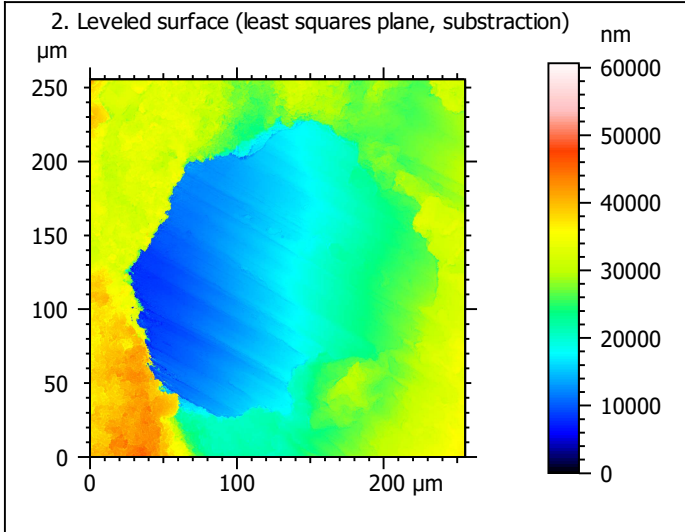
Template to process all surfaces acquired with the LSM with the 50x/0.75 and 50x/0.95 objectives.

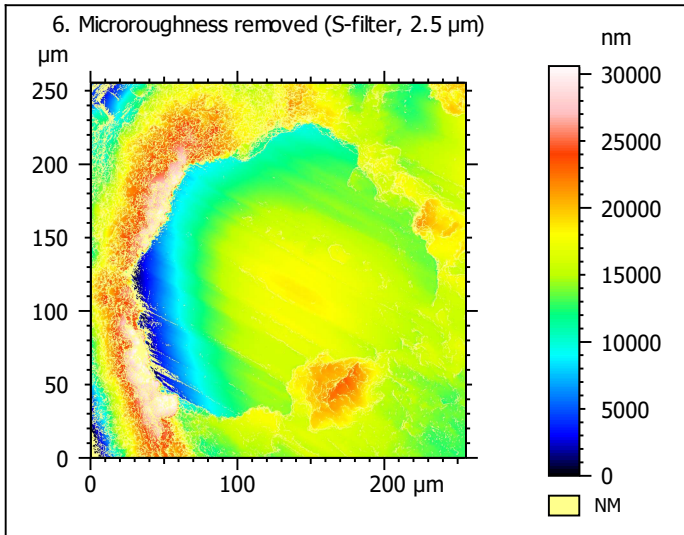
### Processing



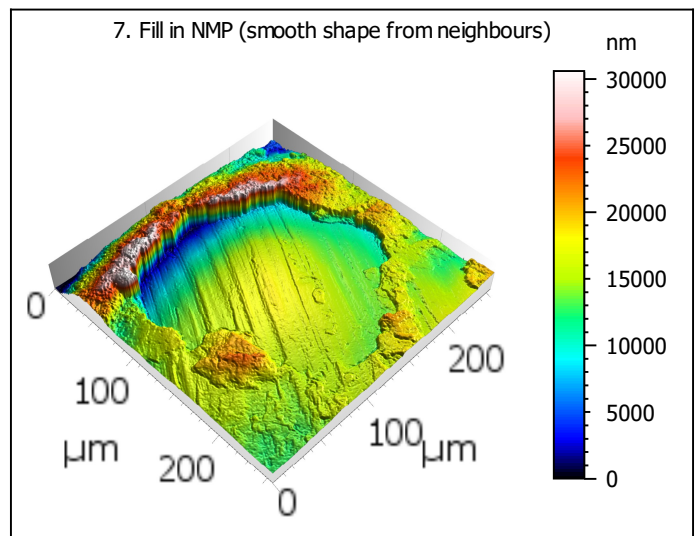
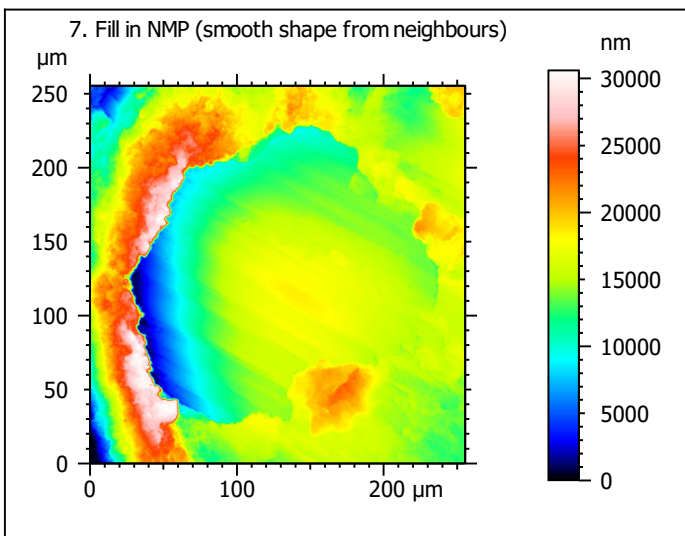
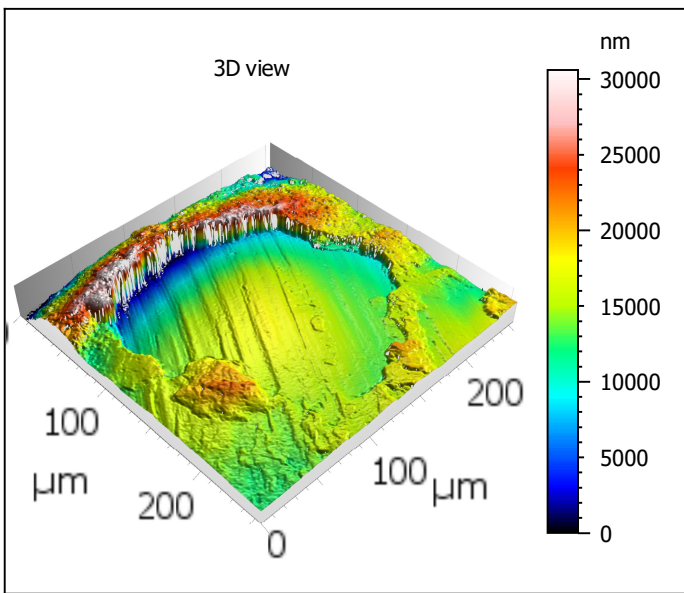
Identity card			
Name:	Lime2-5_LSM_50x075_suf2_Topo		
Created on:	6/24/2020 12:21:59 PM		
Studiabile type:	Surface		
<b>Axis:</b>	<b>X</b>		
Length:	255.5	µm	
Size:	3000	points	
Spacing:	0.08519	µm	
<b>Axis:</b>	<b>Y</b>		
Length:	255.5	µm	
Size:	3000	points	
Spacing:	0.08519	µm	
<b>Axis:</b>	<b>Z</b>		
Layer type:	Topography		
Length:	60038	nm	
Size:	65532	digits	
Spacing:	0.9162	nm	
NM-points ratio:	0.000 % (0 Pts)		







Identity card			
Name:	Lime2-5_LSM_50x075...filtered ( $\lambda_s$ 2.500 $\mu\text{m}$ )		
File path:	C:\Us...\Lime2-5_LSM_50x075_suf2_Topo.sur		
Created on:	6/24/2020 12:21:59 PM		
Studiable type:	Surface		
<b>Axis: X</b>			
Length:	255.5	$\mu\text{m}$	
Size:	3000	points	
Spacing:	0.08519	$\mu\text{m}$	
Offset:	0.000	$\mu\text{m}$	
<b>Axis: Y</b>			
Length:	255.5	$\mu\text{m}$	
Size:	3000	points	
Spacing:	0.08519	$\mu\text{m}$	
Offset:	-255.5	$\mu\text{m}$	
<b>Axis: Z</b>			
Layer type:	Topography		
Length:	30595	nm	
Min:	-15554	nm	
Max:	15041	nm	
Size:	333950	digits	
Spacing:	0.09162	nm	
NM-points ratio:	15.81 % (1422908 Pts)		

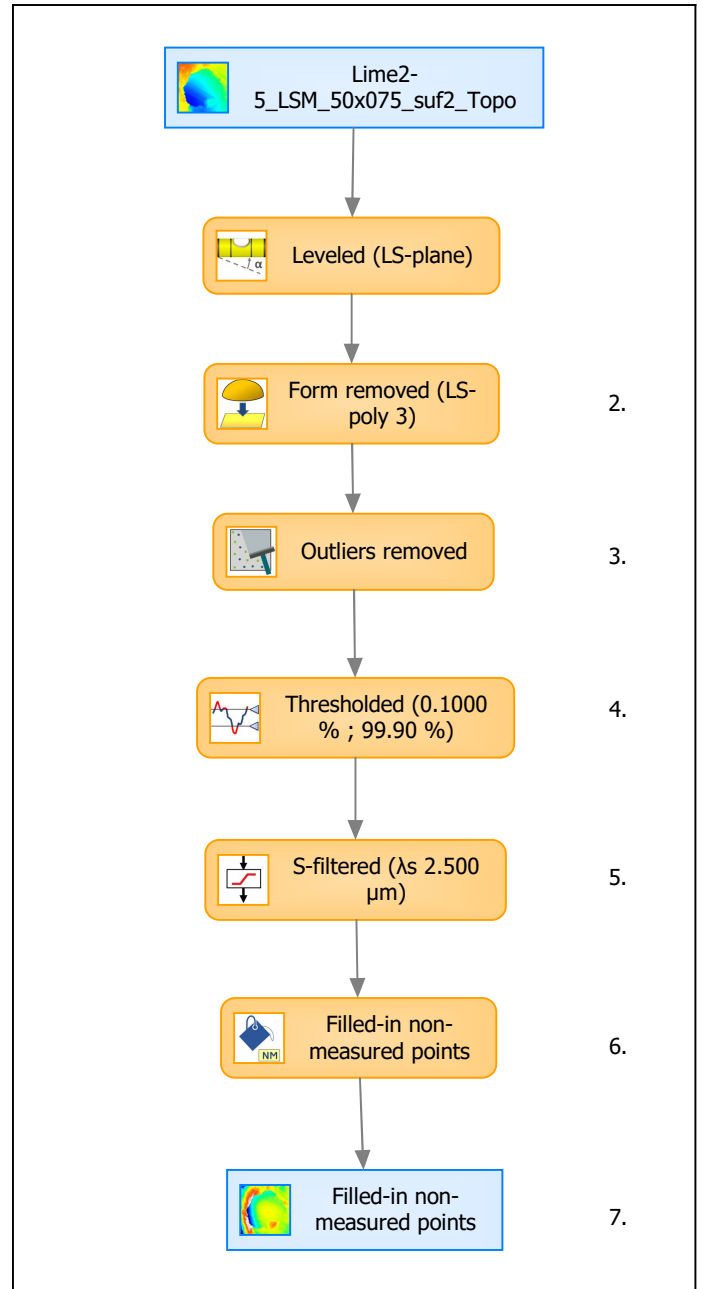


Identity card			
Name:	Lime2-5_LSM_50x075_s...in non-measured points		
Created on:	6/24/2020 12:21:59 PM		
Studiable type:	Surface		
<b>Axis: X</b>			
Length:	255.5	μm	
Size:	3000	points	
Spacing:	0.08519	μm	
<b>Axis: Y</b>			
Length:	255.5	μm	
Size:	3000	points	
Spacing:	0.08519	μm	
<b>Axis: Z</b>			
Layer type:	Topography		
Length:	30595	nm	
Size:	333950	digits	
Spacing:	0.09162	nm	
NM-points ratio:	0.000 % (0 Pts)		

### Analyses

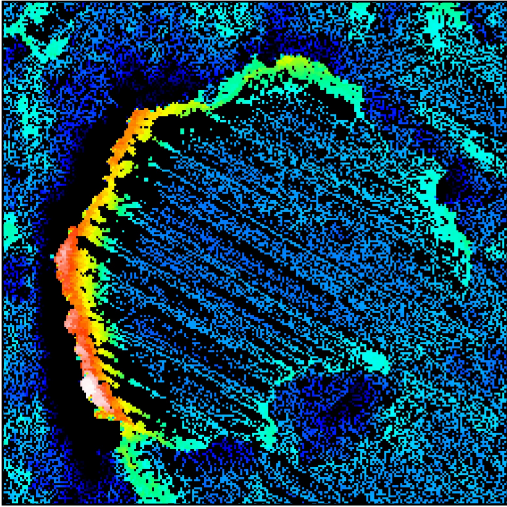
#### 8. ISO 25178-2 parameters on surface #7

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	4619	nm	
Ssk	0.1072		
Sku	4.477		
Sp	15016	nm	
Sv	15579	nm	
Sz	30595	nm	
Sa	3244	nm	
Functional parameters			
Smr	0.4972	%	
Smc	5691	nm	
Sxp	10610	nm	
Spatial parameters			
Sal	18.88	μm	
Str	0.4160		
Std	65.00	°	
Hybrid parameters			
Sdq	1.153		
Sdr	20.02	%	
Functional parameters (Volume)			
Vm	0.3378	μm <sup>3</sup> /μm <sup>2</sup>	
Vv	6.029	μm <sup>3</sup> /μm <sup>2</sup>	
Vmp	0.3378	μm <sup>3</sup> /μm <sup>2</sup>	
Vmc	3.111	μm <sup>3</sup> /μm <sup>2</sup>	
Vvc	5.335	μm <sup>3</sup> /μm <sup>2</sup>	
Vvv	0.6940	μm <sup>3</sup> /μm <sup>2</sup>	



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

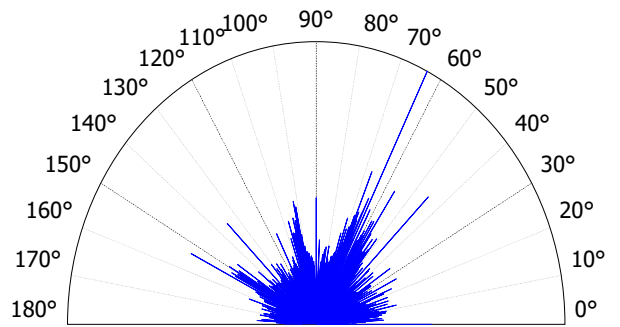
9. Furrow analysis on surface #7



All furrows are shown.

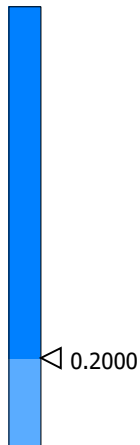
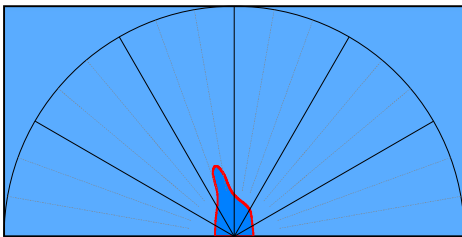
Parameters	Value	Unit
Maximum depth of furrows	20628	nm
Mean depth of furrows	4630	nm
Mean density of furrows	3830	cm/cm2

10. Texture direction on surface #7



Parameters	Value	Unit
First direction	63.57	°
Second direction	45.04	°
Third direction	56.22	°

11. Texture isotropy on surface #7



Parameters	Value	Unit
Isotropy	26.24	%

12. SSFA on surface #7

