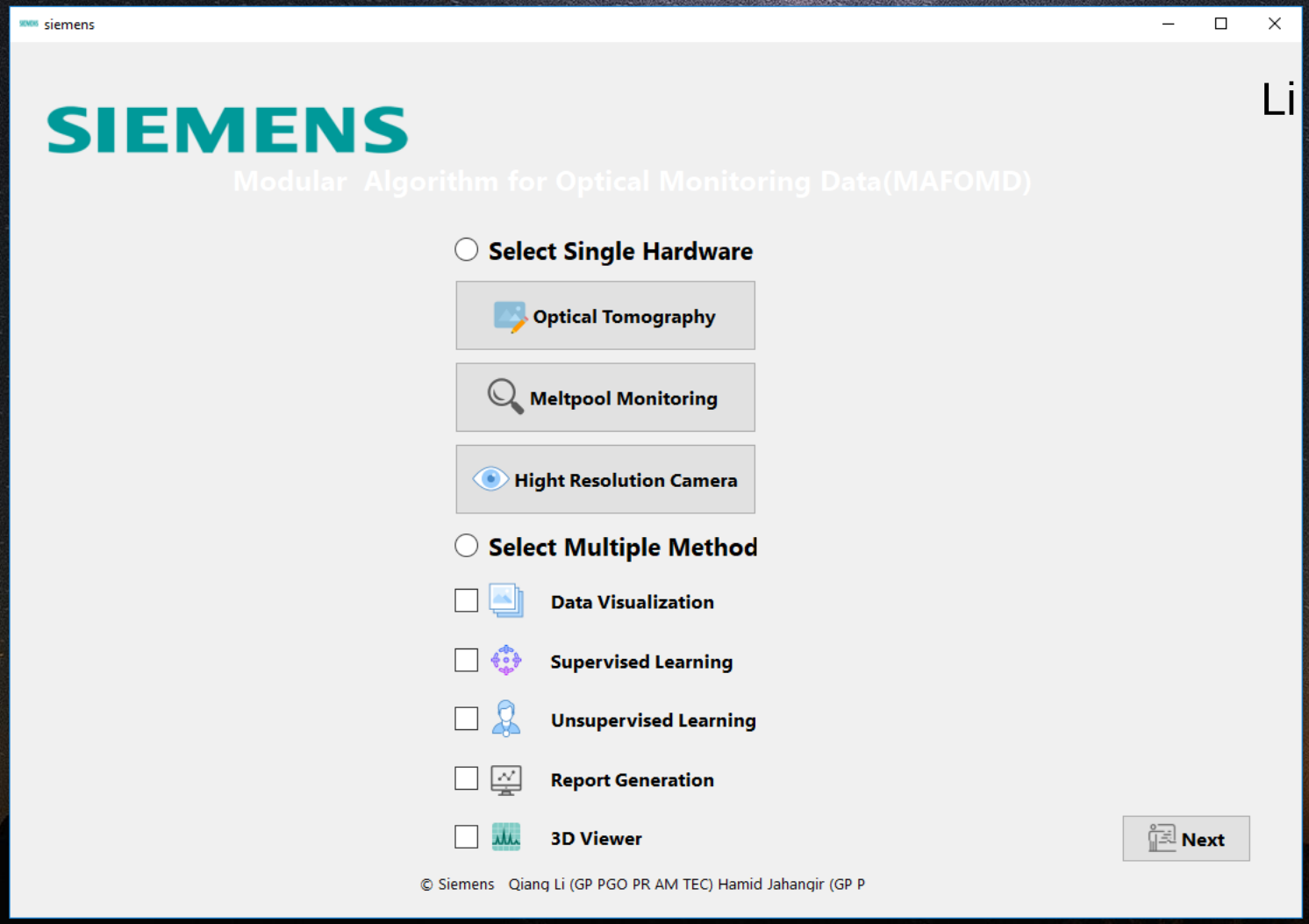

Li Qiang

Digitally signed by LI Qiang
DN: cn=Li Qiang, o=Siemens, email=li.qi@siemens.com
Date: 2019.10.10 15:42:28 +02'00'

siemens

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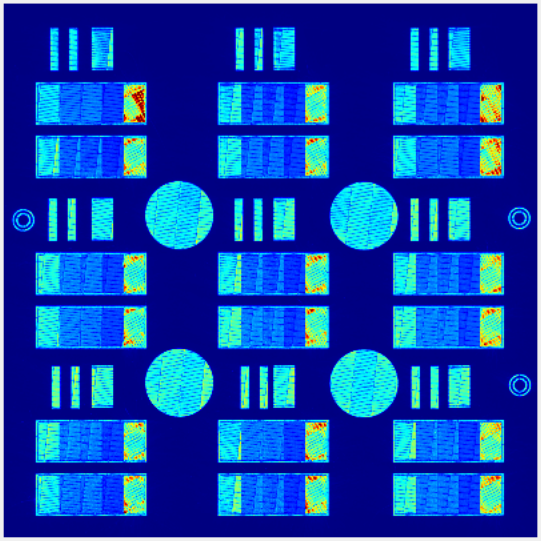
Import Img

☐ **INT** ☑ **MAX** **Upload**

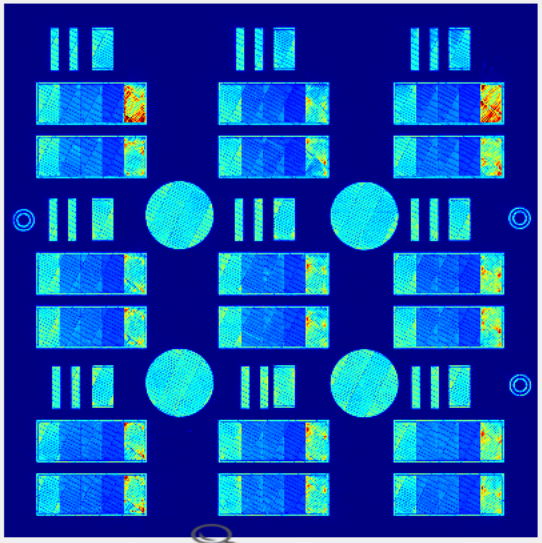
Image Folder:

C:\hotspot MAX imageset

Preview



First Image



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Unsupervised Methods

Location and Visualization of Defects by PCA,Kmean,ColorspaceTemplateMatching

☐ Input the Parameters

Explatined accurancy: 0.90

Save image: C:\New folder (3)

Coponent number: 2 ☐ **System Ref.**

Layer for segement: 2

Template matching threshold: 0.95

Do PCA

Do KMean

Do Template Matching

3D Viewer

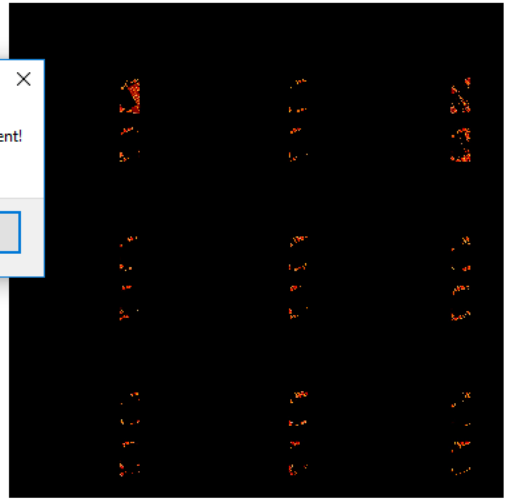
Default **NEXT**

['C:\\New folder (3)\\-lay-0-output-7.jpg', 'C:\\New folder (3)\\-lay-1-output-3.jpg']

succeed!

Please,now check the folder C:\New folder (3) of document!

OK



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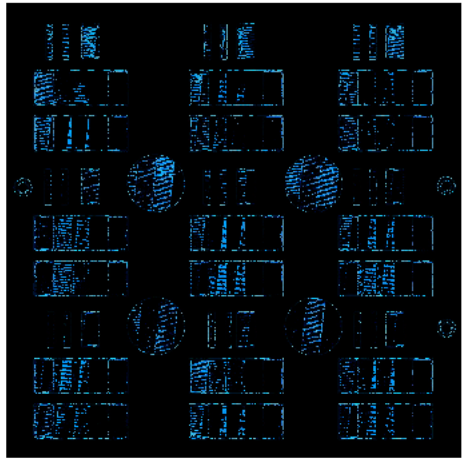
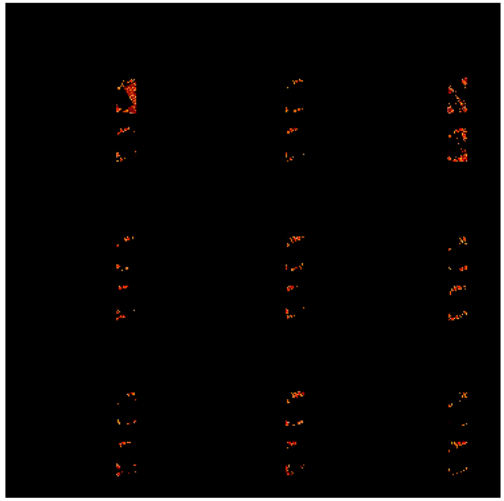
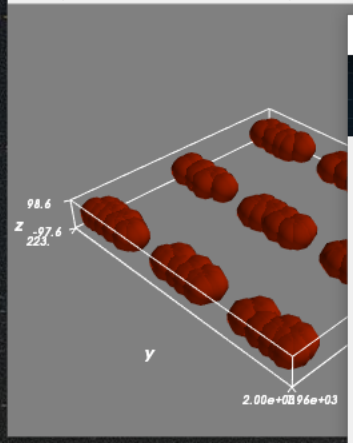
Default **NEXT**

['C:\\New folder (3)\\-lay-0-output-7.jpg', 'C:\\New folder (3)\\-lay-1-output-3.jpg']





Mayavi Scene 1



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Unsupervised Methods

Location and Visualization of Defects by PCA,Kmean,ColorspaceTemplateMatching

Input the Parameters

Explatined accurancy 0.90

Save image: C:\New folder (3)

Coponent number 2 **System Ref.**

Layer for segement 2

Template matching threshold 0.95

Do PCA

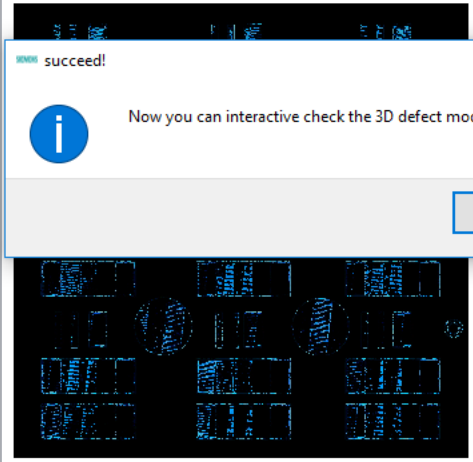
Do KMean

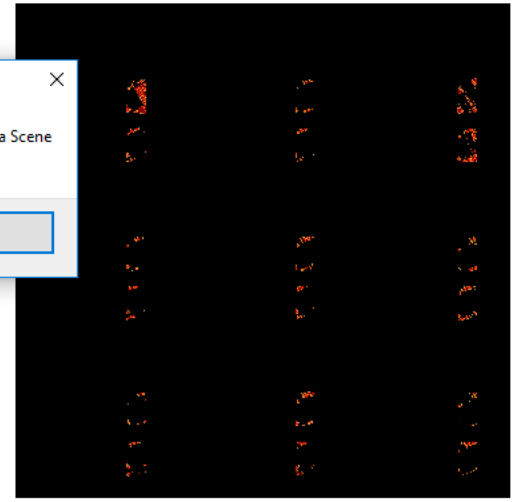
Do Template Matching

3D Viewer

Default **NEXT**

['C:\\New folder (3)\\-lay-0-output-7.jpg', 'C:\\New folder (3)\\-lay-1-output-3.jpg']

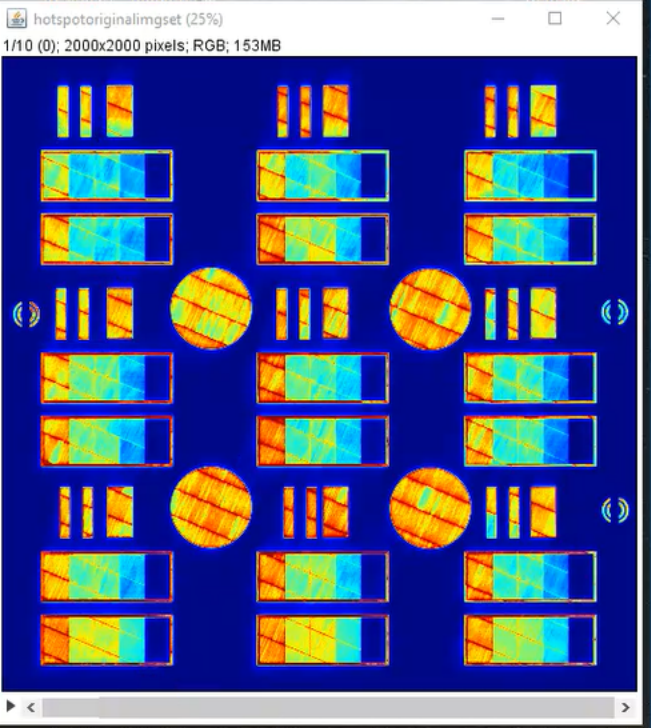


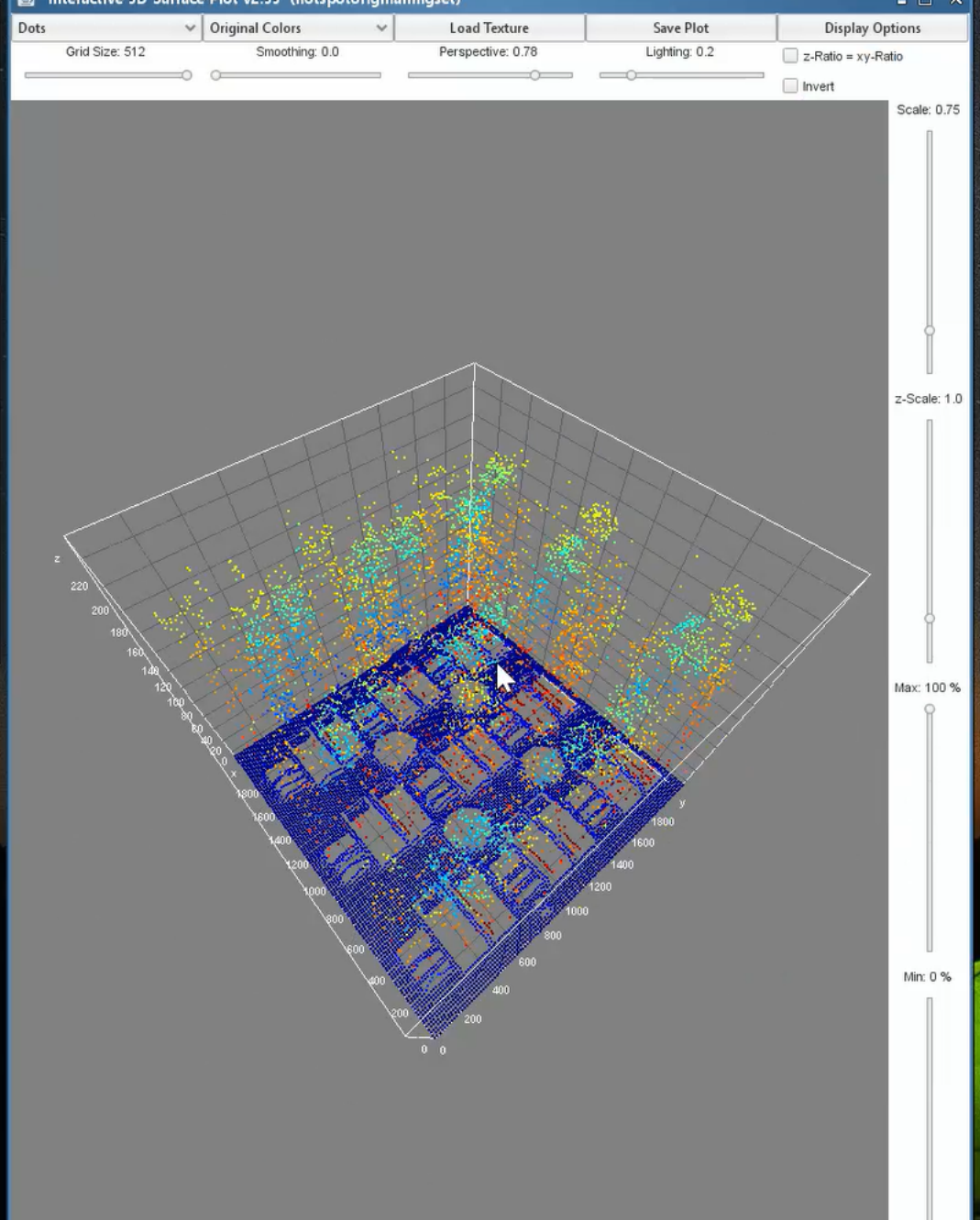


succeed!

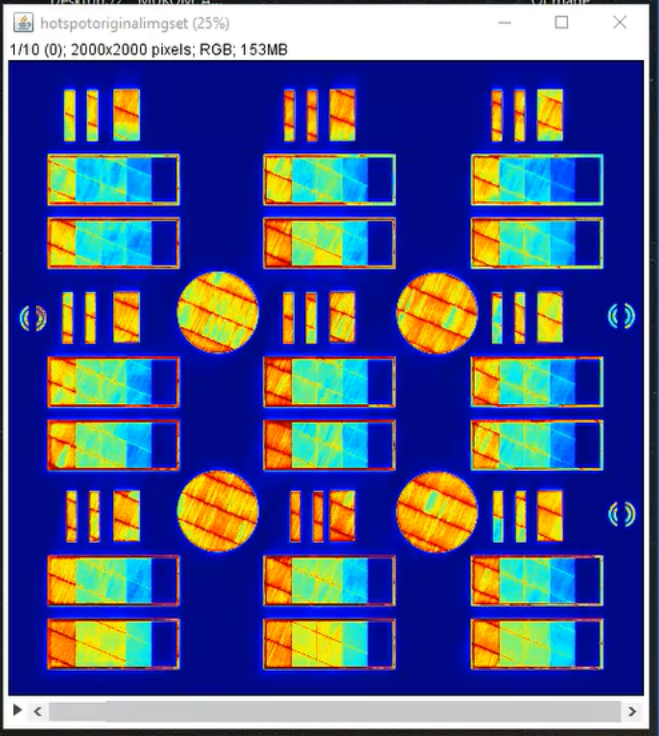
Now you can interactive check the 3D defect model in Maya Scene

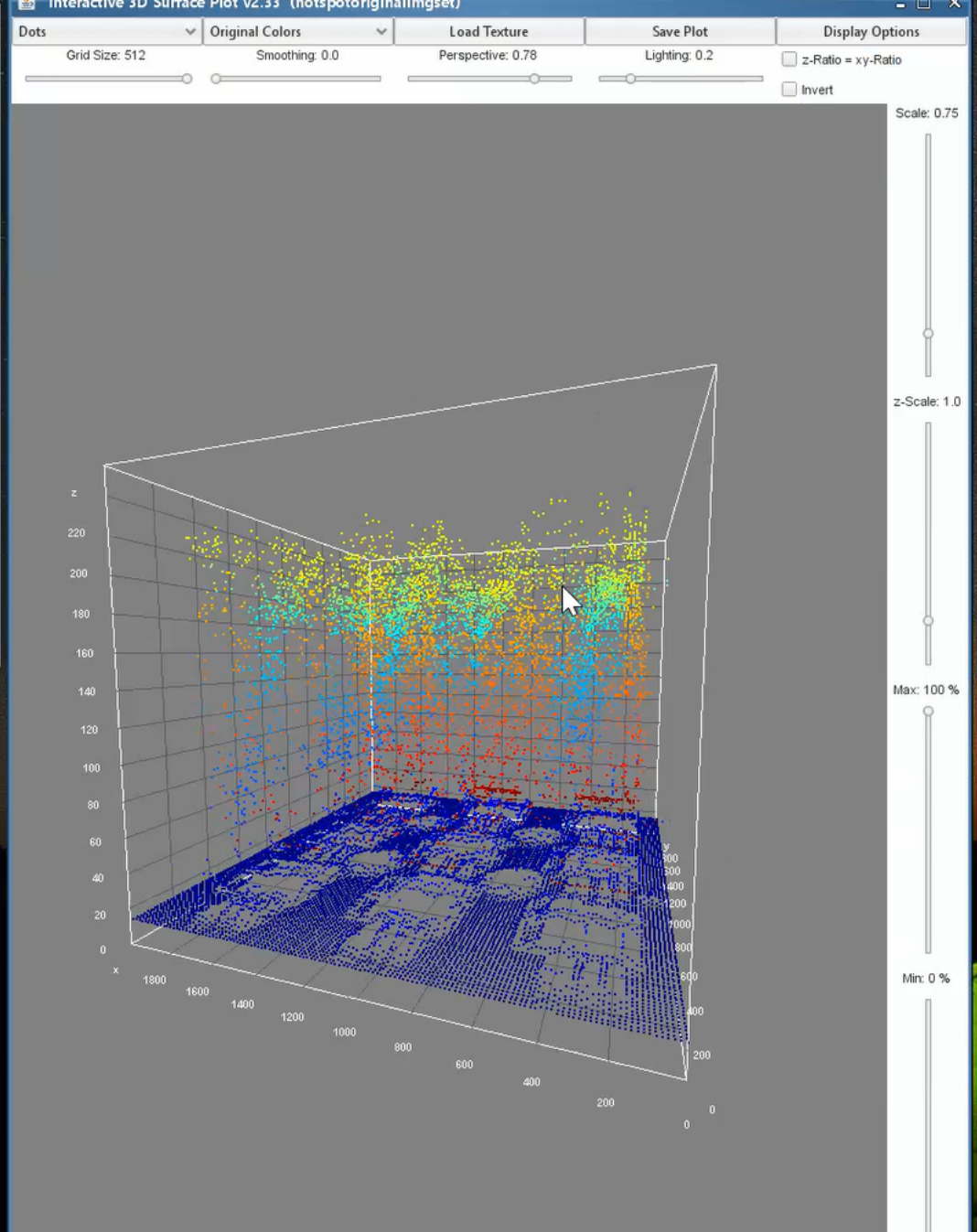
OK

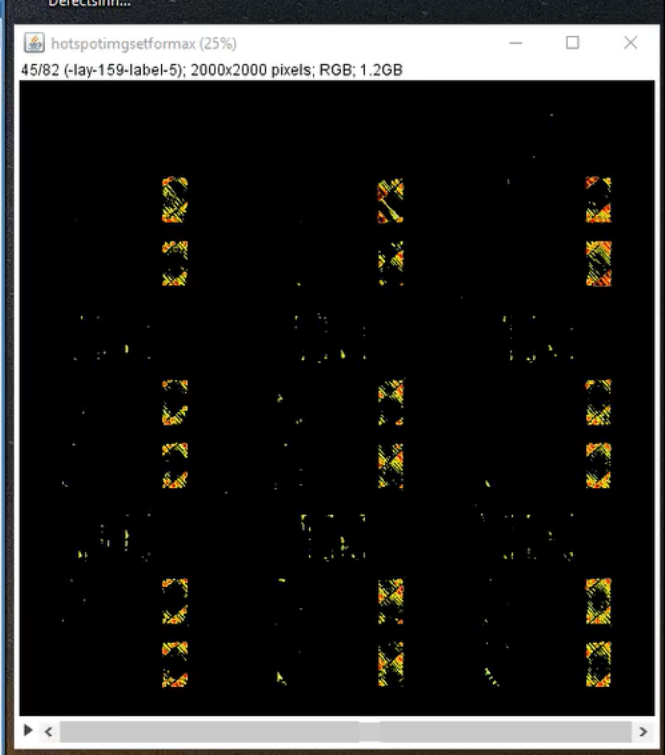

hotspotoriginalimgset (25%)
1/10 (0); 2000x2000 pixels; RGB; 153MB


Dots
Original Colors
Load Texture
Save Plot
Display Options
Grid Size: 512
Smoothing: 0.0
Perspective: 0.78
Lighting: 0.2
z-Ratio = xy-Ratio
Invert
Scale: 0.75
z-Scale: 1.0
Max: 100 %
Min: 0 %


hotspotimgsetformax (25%)
45/82 (-lay-159-label-5); 2000x2000 pixels; RGB; 1.2GB


hotspotoriginalimgset (25%)
1/10 (0); 2000x2000 pixels; RGB; 153MB


Interactive 3D Surface Plot v2.33 (hotspotoriginalimgset)
Dots
Original Colors
Load Texture
Save Plot
Display Options
Grid Size: 512
Smoothing: 0.0
Perspective: 0.78
Lighting: 0.2
z-Ratio = xy-Ratio
Invert
Scale: 0.75
z-Scale: 1.0
Max: 100 %
Min: 0 %


hotspotimgsetformax (25%)
45/82 (-lay-159-label-5); 2000x2000 pixels; RGB; 1.2GB