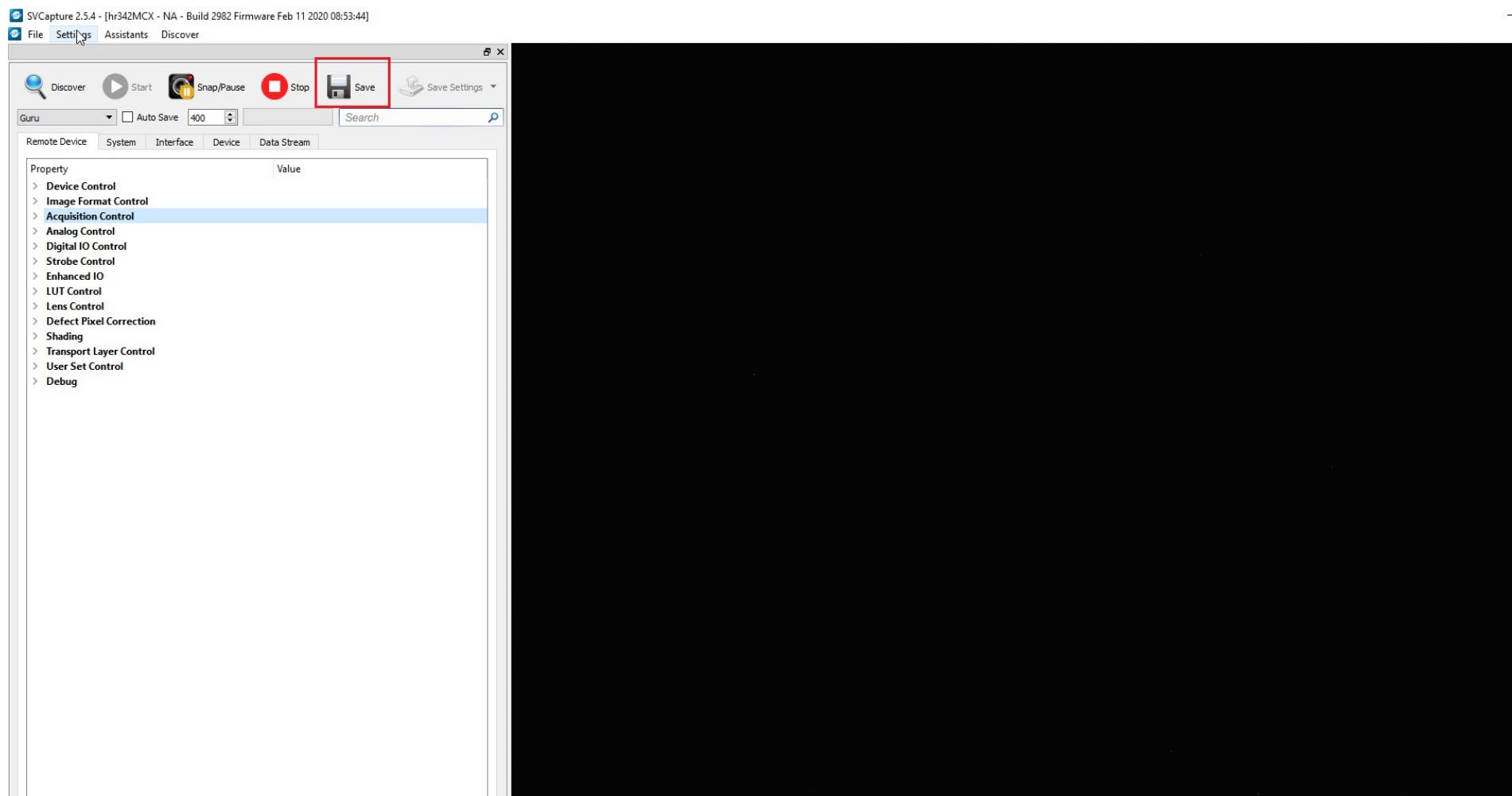

Whitepaper

Defect-Pixelmap-SVCapture2

Created:			
	Date 11.02.2020	Division Support	Name Ahess

1. How to create a defect Pixel Map and Upload it to the camera over SVCapture >2.5.3

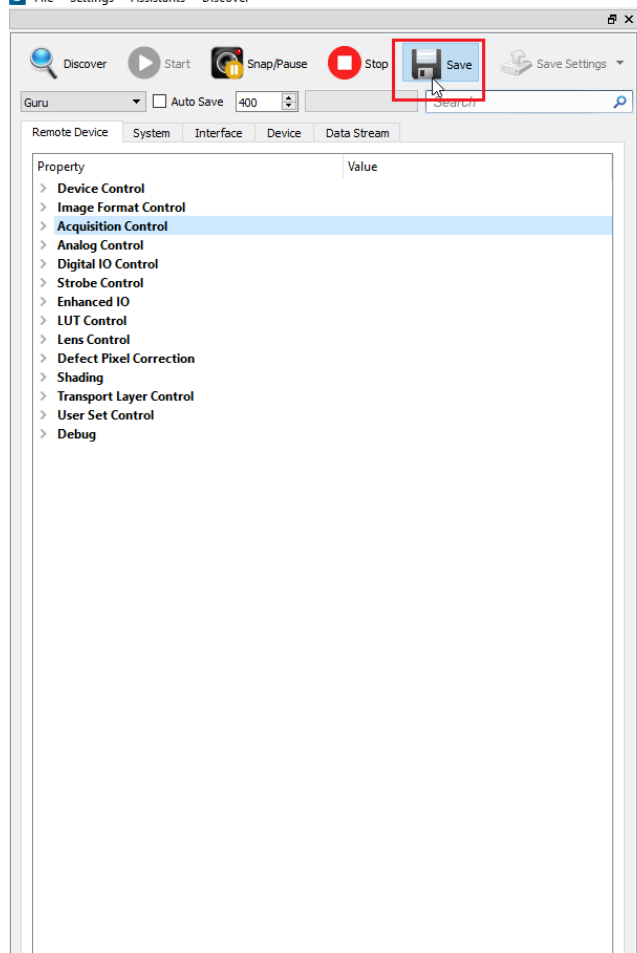
1.1 Save a totally dark image as bmp



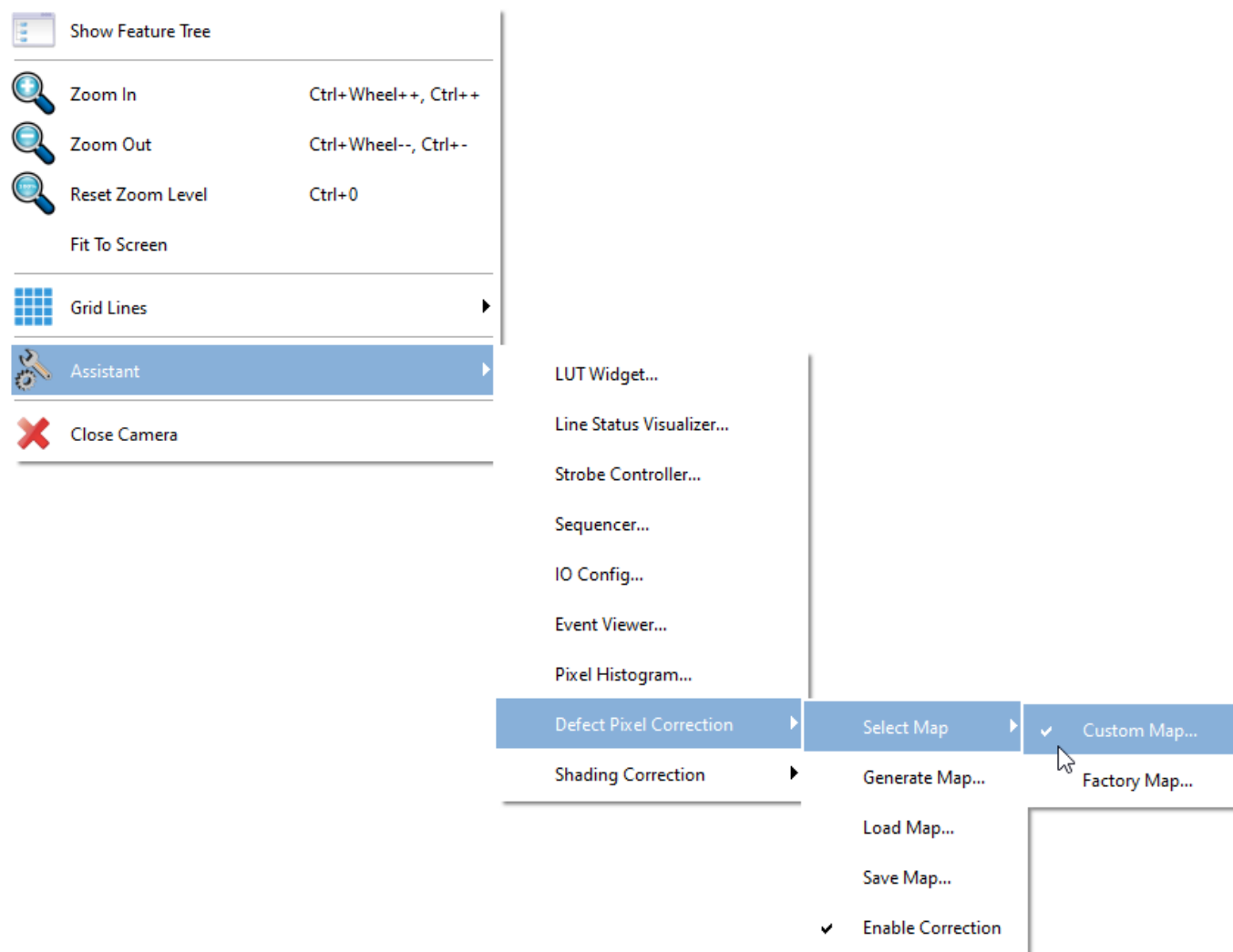
1.2 Save a totally white image as bmp

SVCapture 2.5.4 - [hr342MCX - NA - Build 2982 Firmware Feb 11 2020 08:53:44]

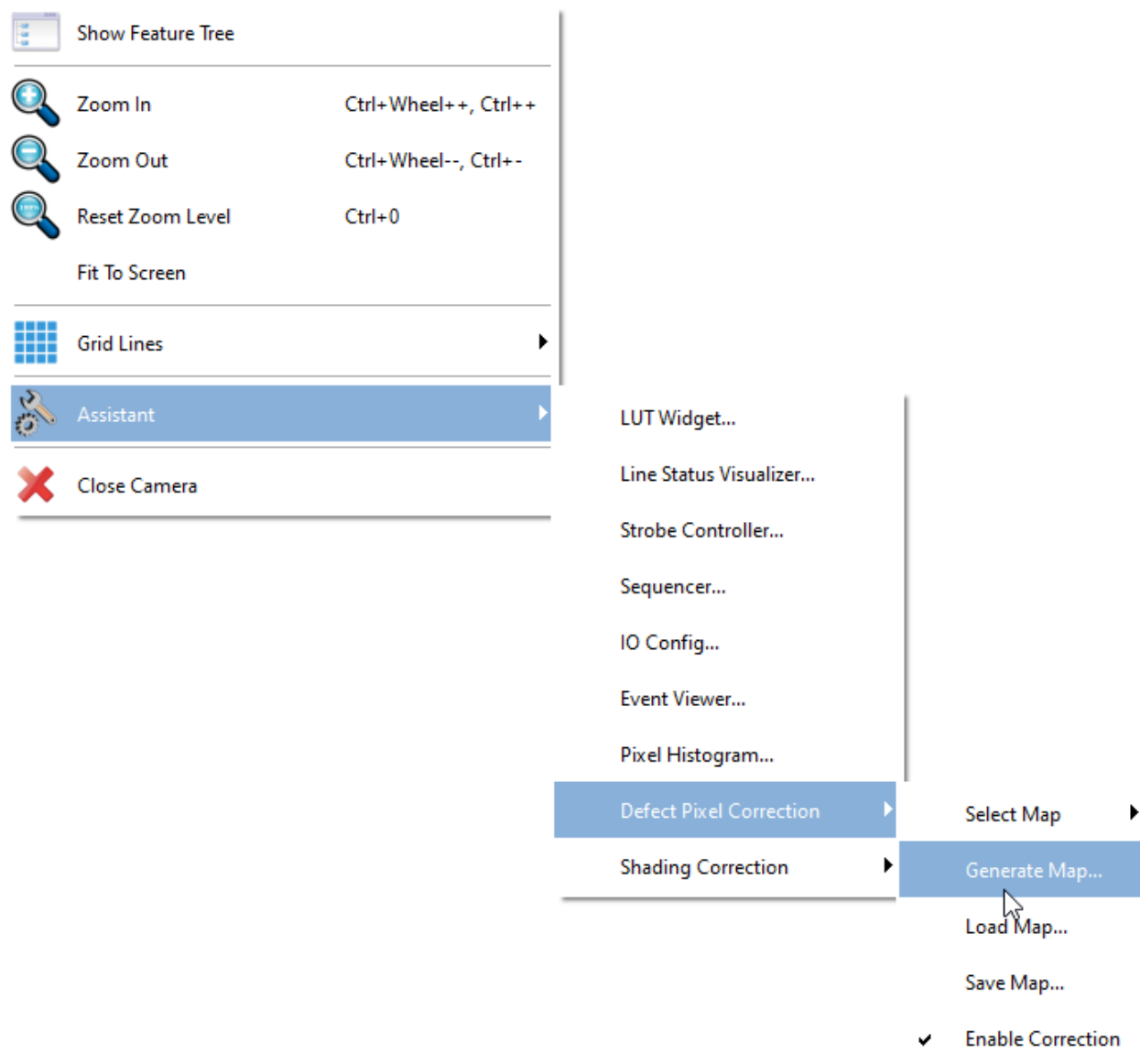
File Settings Assistants Discover



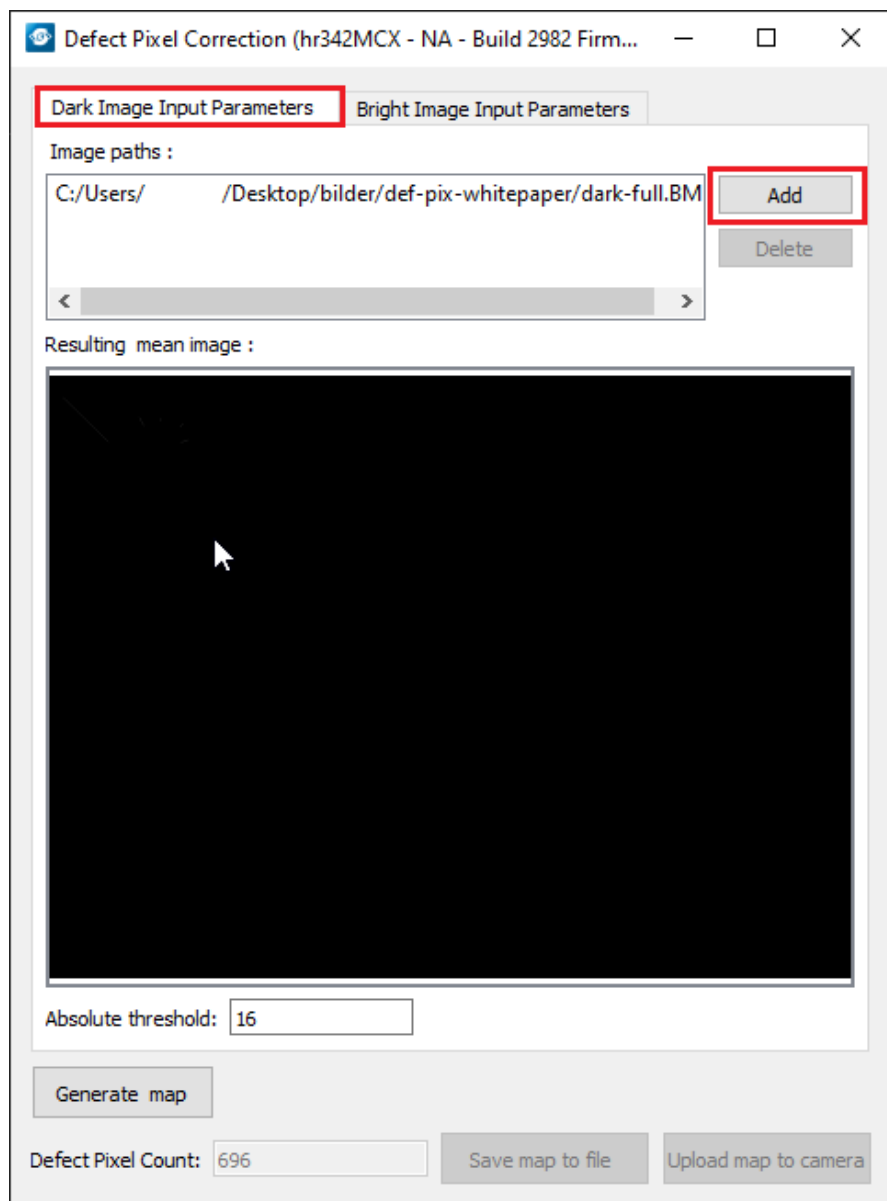
1.3 Select "Custom Map" in the Assistant



1.4 Click on "Generate Map..."



1.5.1 Add a "Dark Image"



1.5.2 Add a "Bright Image"

Defect Pixel Correction (hr342MCX - NA - Build 2982 Firm...)

Dark Image Input Parameters **Bright Image Input Parameters**

Image paths :

C:/Users/ /Desktop/bilder/def-pix-whitepaper/bright-full.BI **Add**

Delete

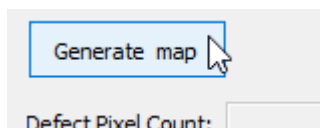
Resulting mean image :

Relative threshold in %: 12

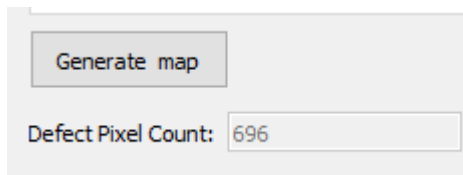
Generate map

Defect Pixel Count: 696 Save map to file Upload map to camera

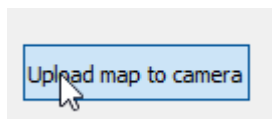
1.6 Press on “Generate map”



You can see how many defect pixel were detected in the “Defect Pixel Count”:



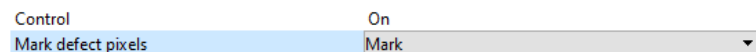
1.7 Now you can finally upload the map to the camera



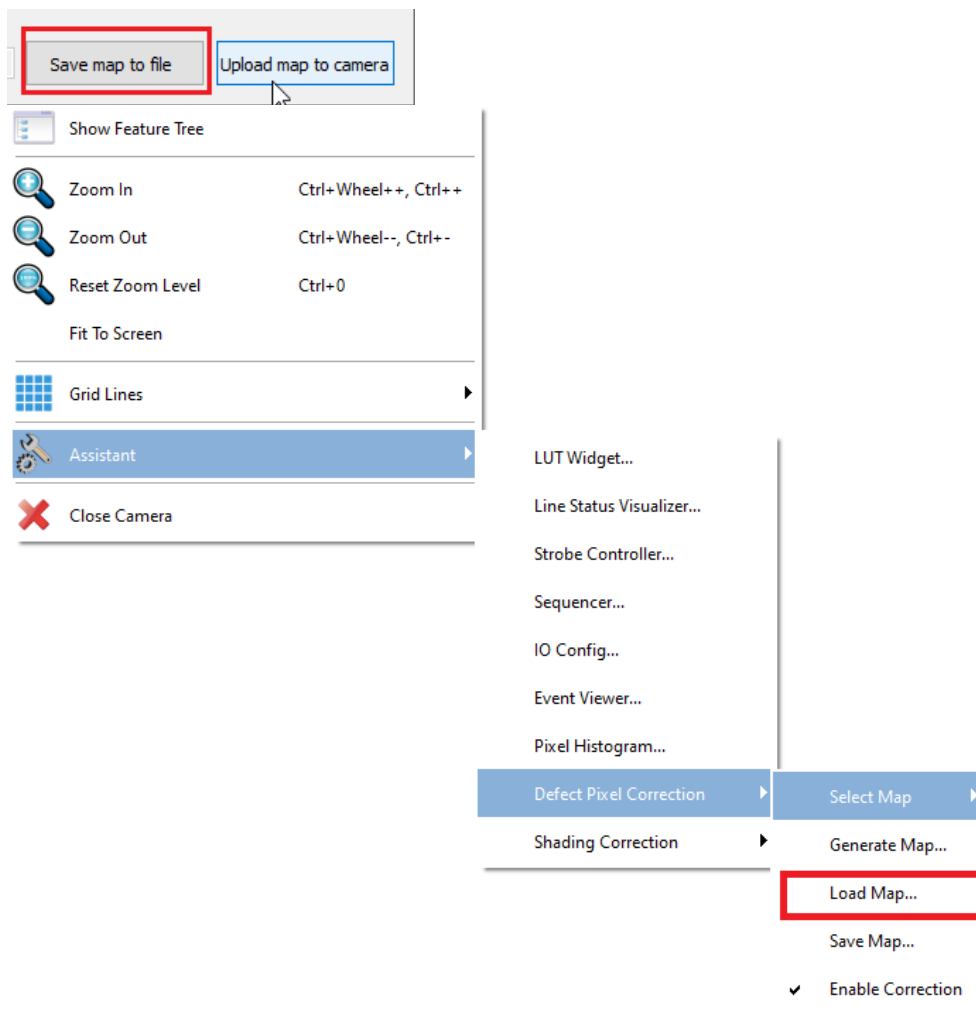
Optional steps:

- To show the corrected defect pixel you can enable the Mark defect pixels from the GeniCam Tree

▼ Defect Pixel Correction



- You can also save the map on your computer (to take a look at it with an editor program), and upload it later.



- To view an existing map which has been already stored earlier on the camera, you can also press “Save Map...”

