

Assignment 2 Color Testing

Dimitry Rakhlei

Here we will examine any of the artifacts produced by the stego application.

Here are the two test payloads. They are commonly used in DSP.





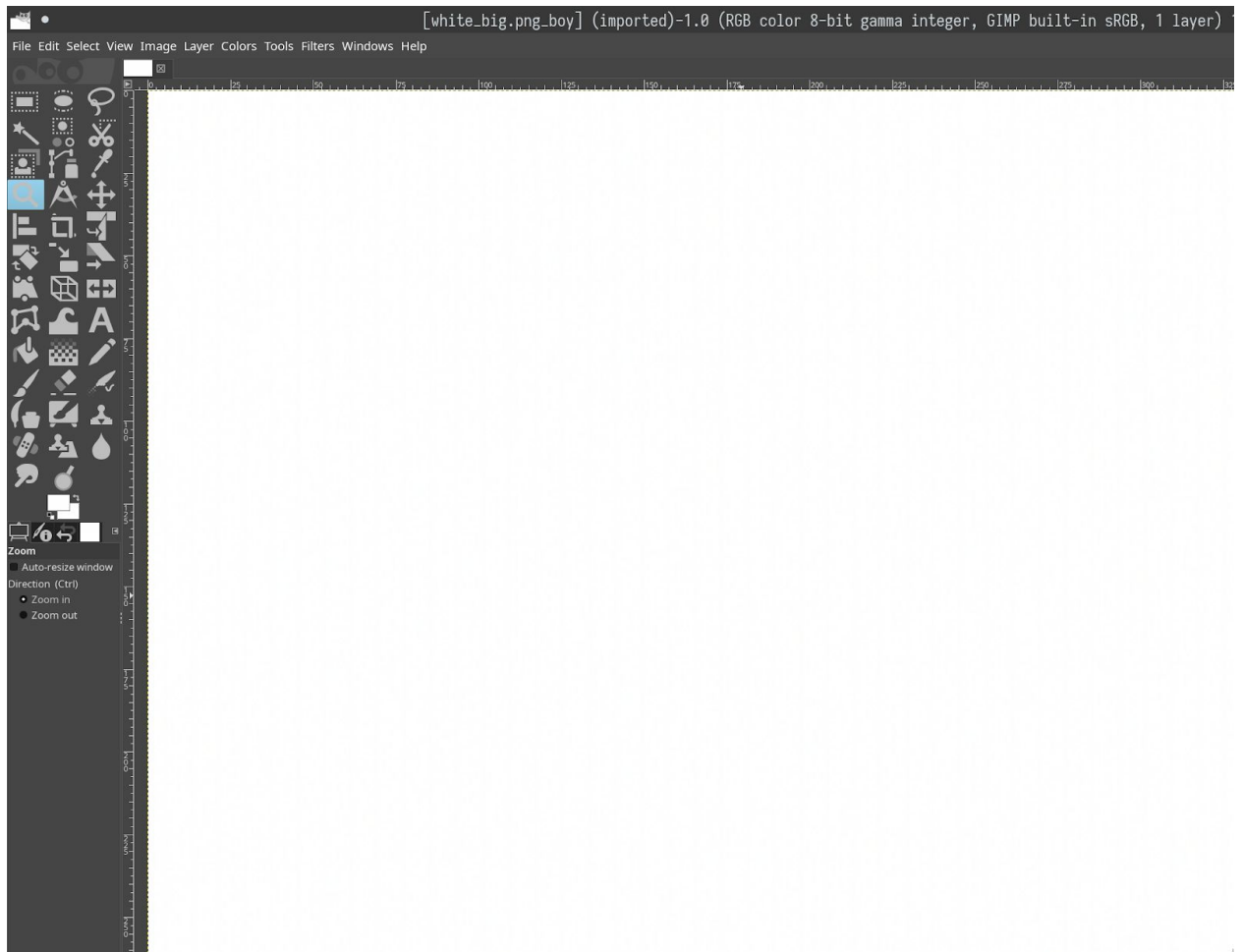
1) White Carrier Image : Colorful Payloads

I hid a picture of an airplane into the pure white image. Opened the image in GIMP and zoomed in all the way on the top left corner. There are no visible artifacts.



Using a color picker tool we can get some insight into the changes that occurred to the image.

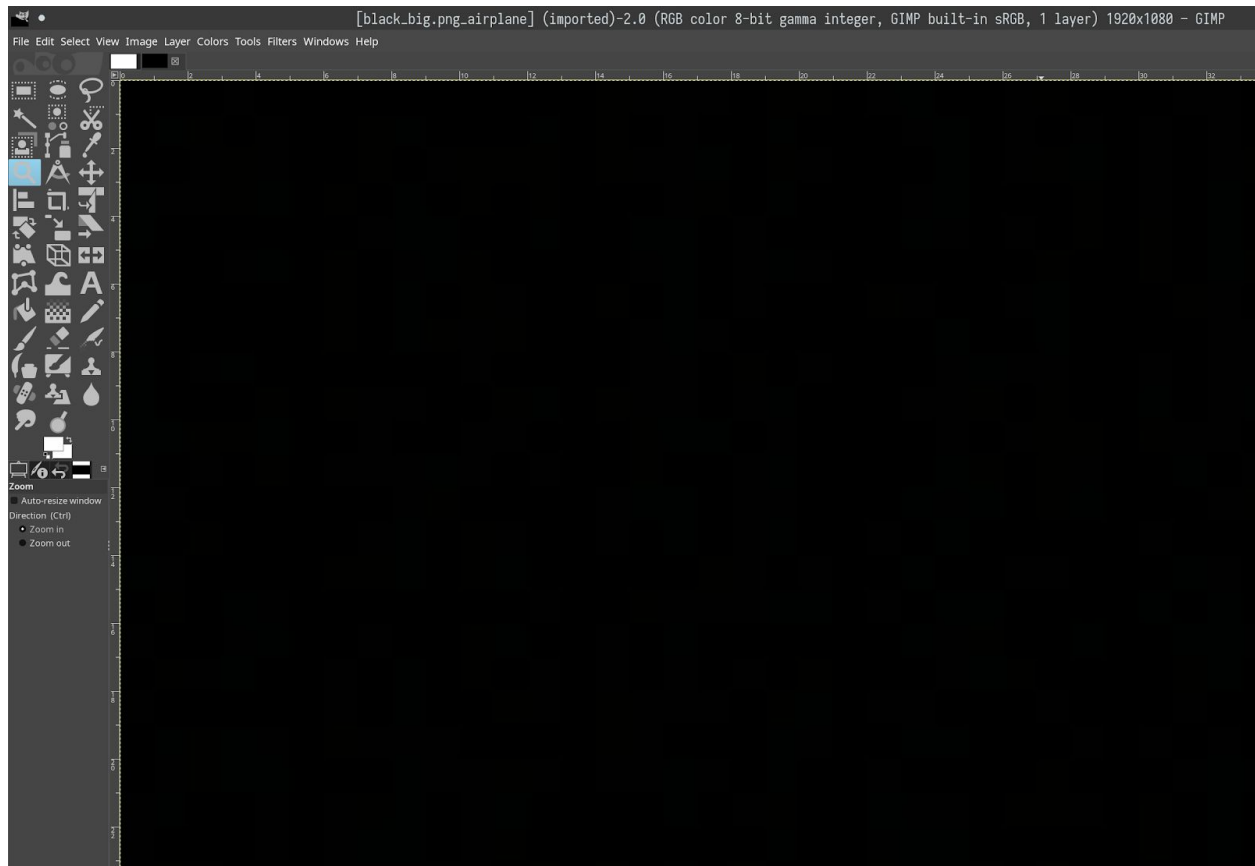
Now I will open the same carrier image with the picture of a boy hidden in it.



Once again no visible distortions visible at a high level of zoom.

2) Pure black carrier image with colorful payloads

Here is the black image with the same airplane hidden in it as the white.



No obvious artifacts are visible either.

3) Large Image with color as carrier and large image with color as payload



The algorithm seems to be holding up pretty well.