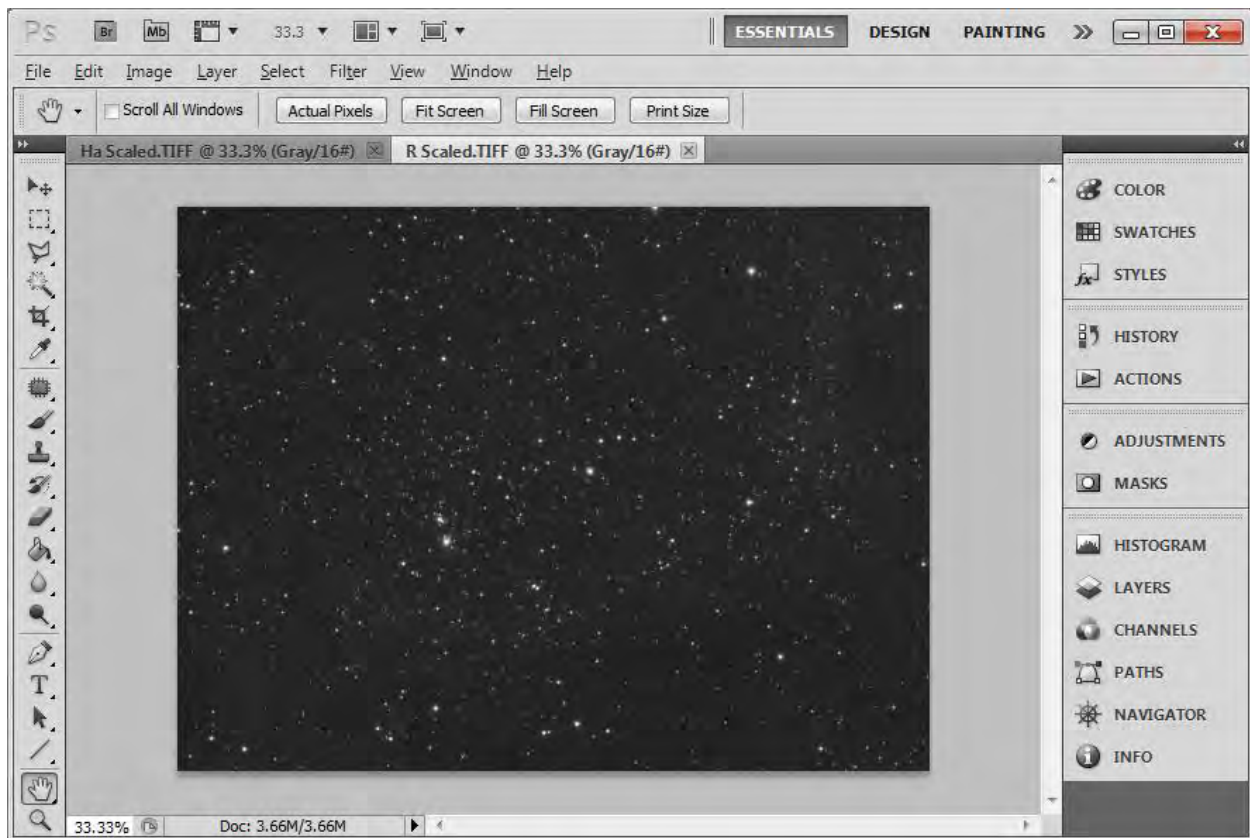


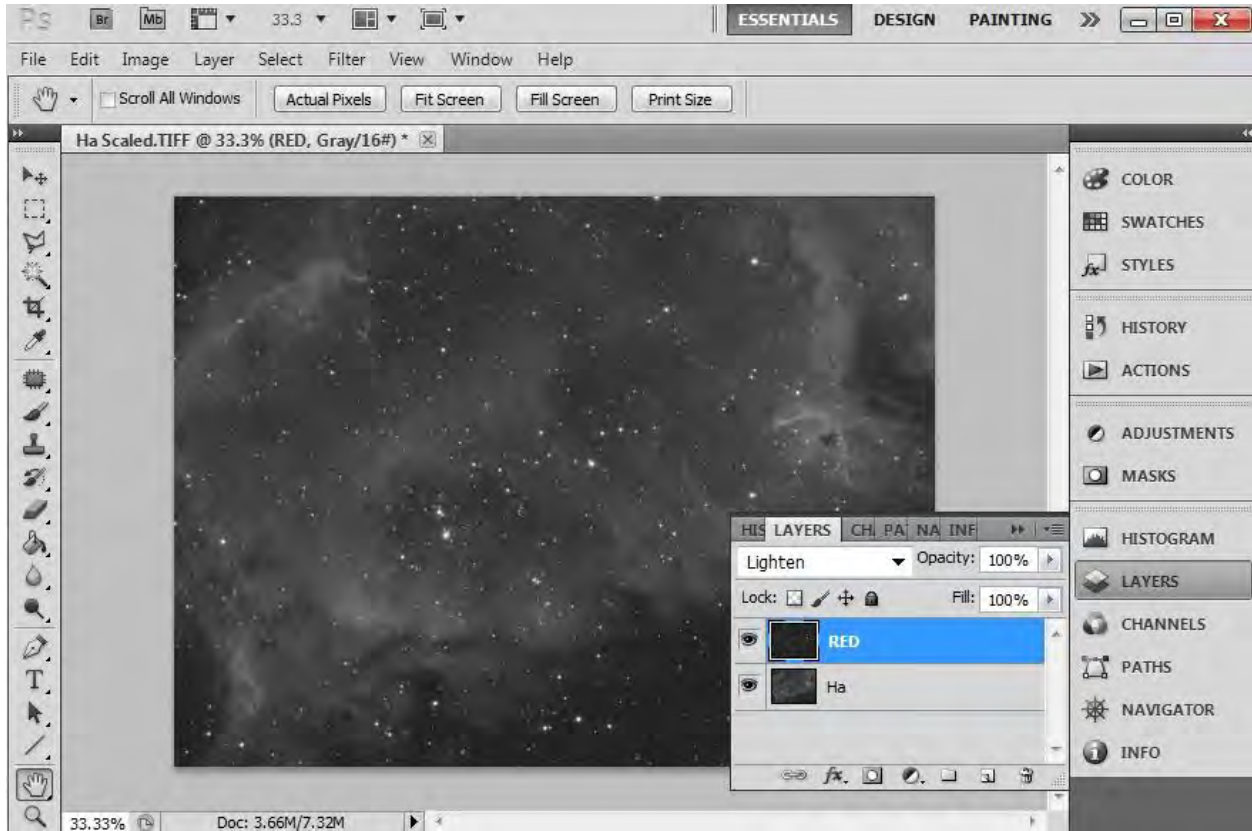
## (HaR)(HaL)GB combine

This tutorial demonstrates another approach to the HaRGB technique. It is based on Tony Hallas (<http://www.astrophoto.com/>) work with some modifications. A prerequisite is that all master frames are aligned to each other before opening them in Photoshop. To perform this task I used CCDstack.

**Step1:** open “master RED” and “master Ha” frames

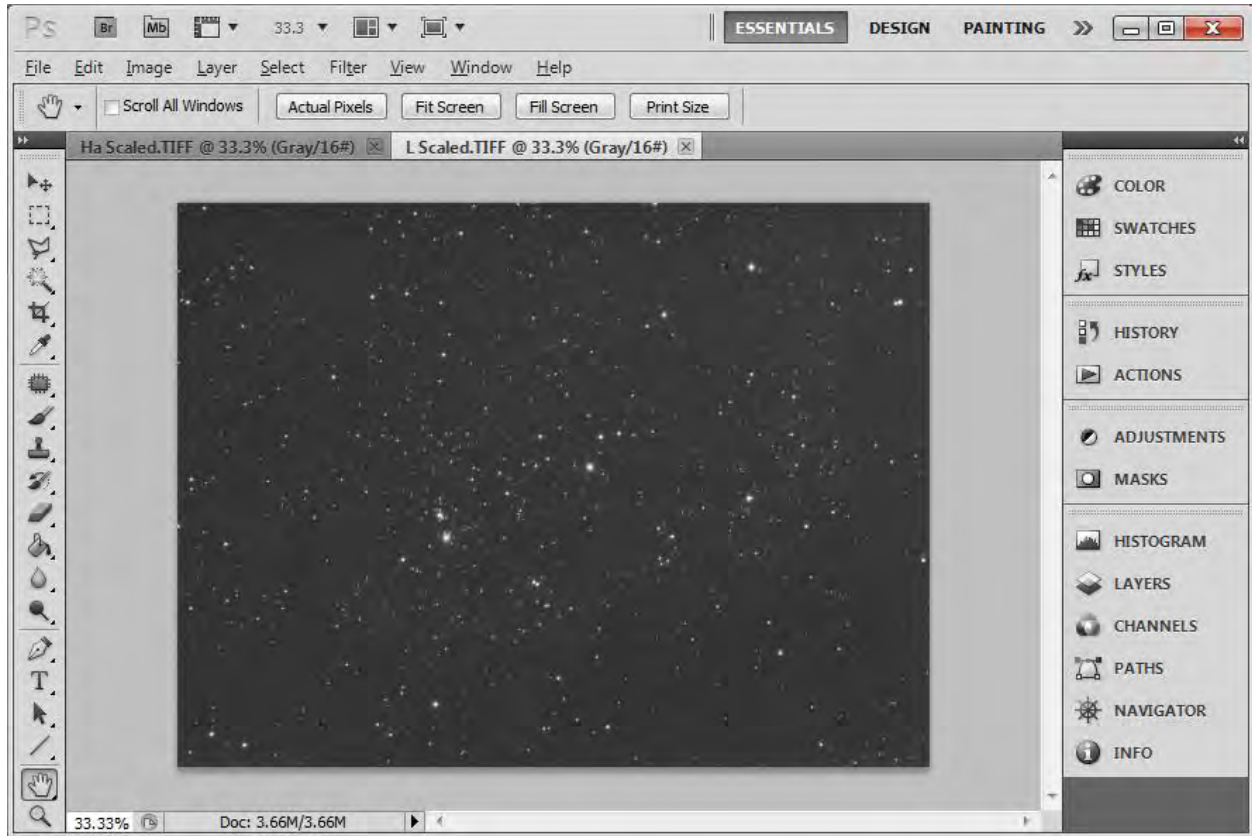


**Step2:** paste RED on top of Ha (layer blending mode is lighten)

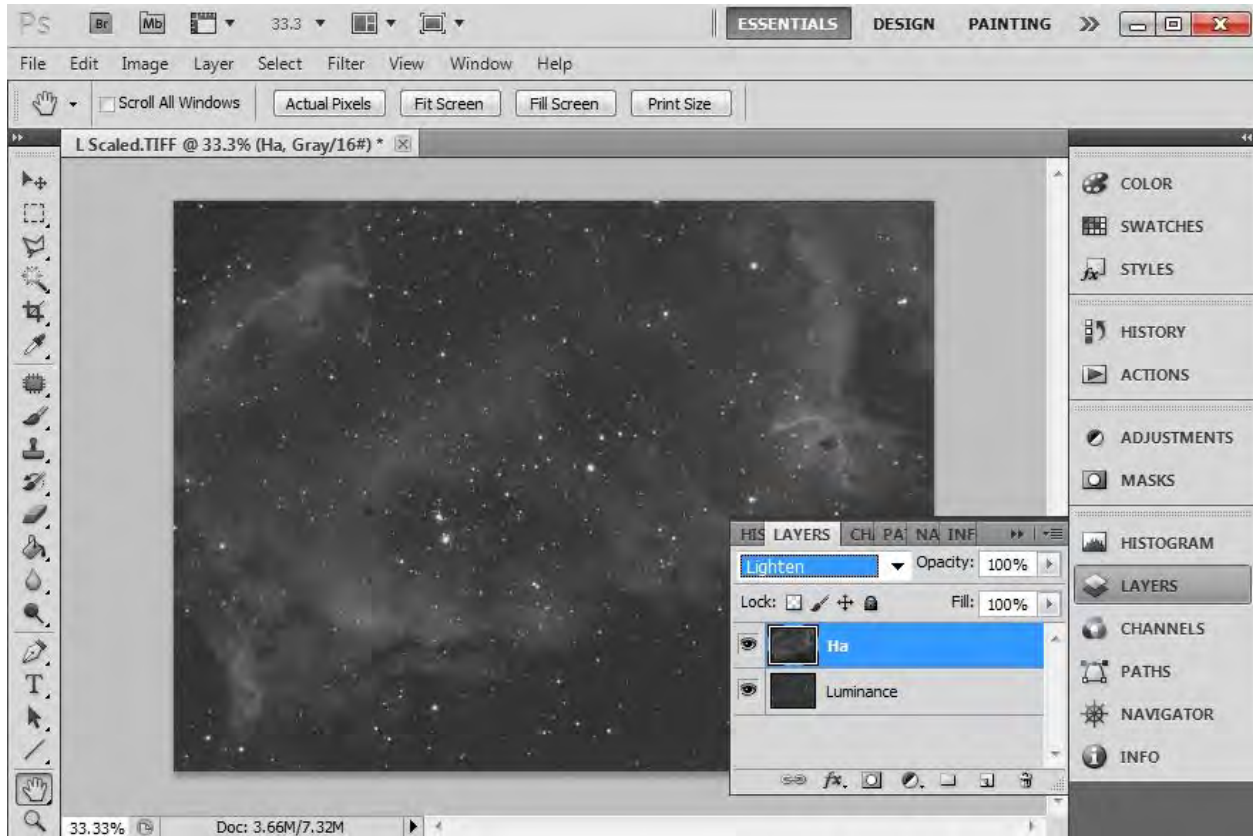


**Step3:** flatten the image and save it as RED\_Hybrid.TIFF (accept the default settings)

**Step4:** open “master Ha” and “master Luminance” frames



**Step5:** paste Ha on top of Luminance (layer blending mode is lighten)

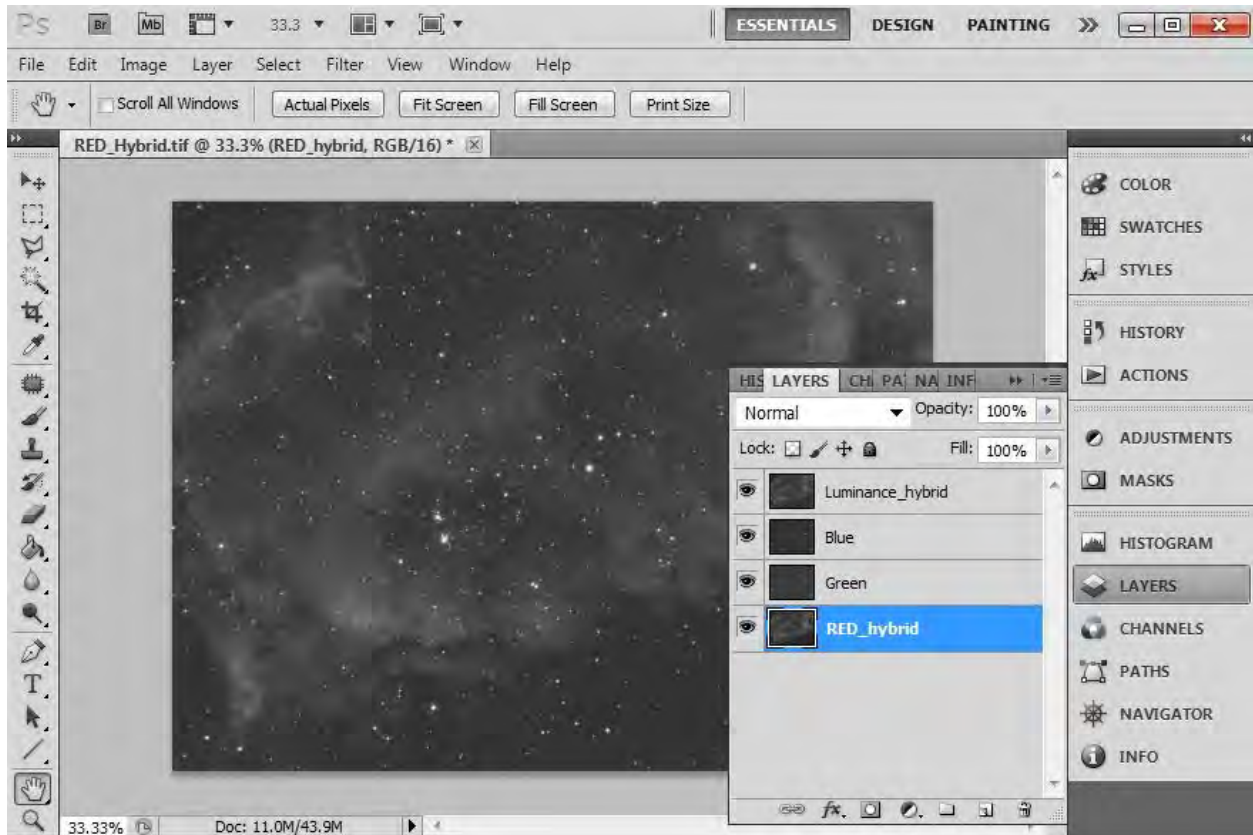


**Step6:** flatten the image and save it as LUMINANCE\_Hybrid.TIFF (accept the default settings)

**Step7:** open RED\_Hybrid, master Green, master Blue and LUMINANCE\_Hybrid frames

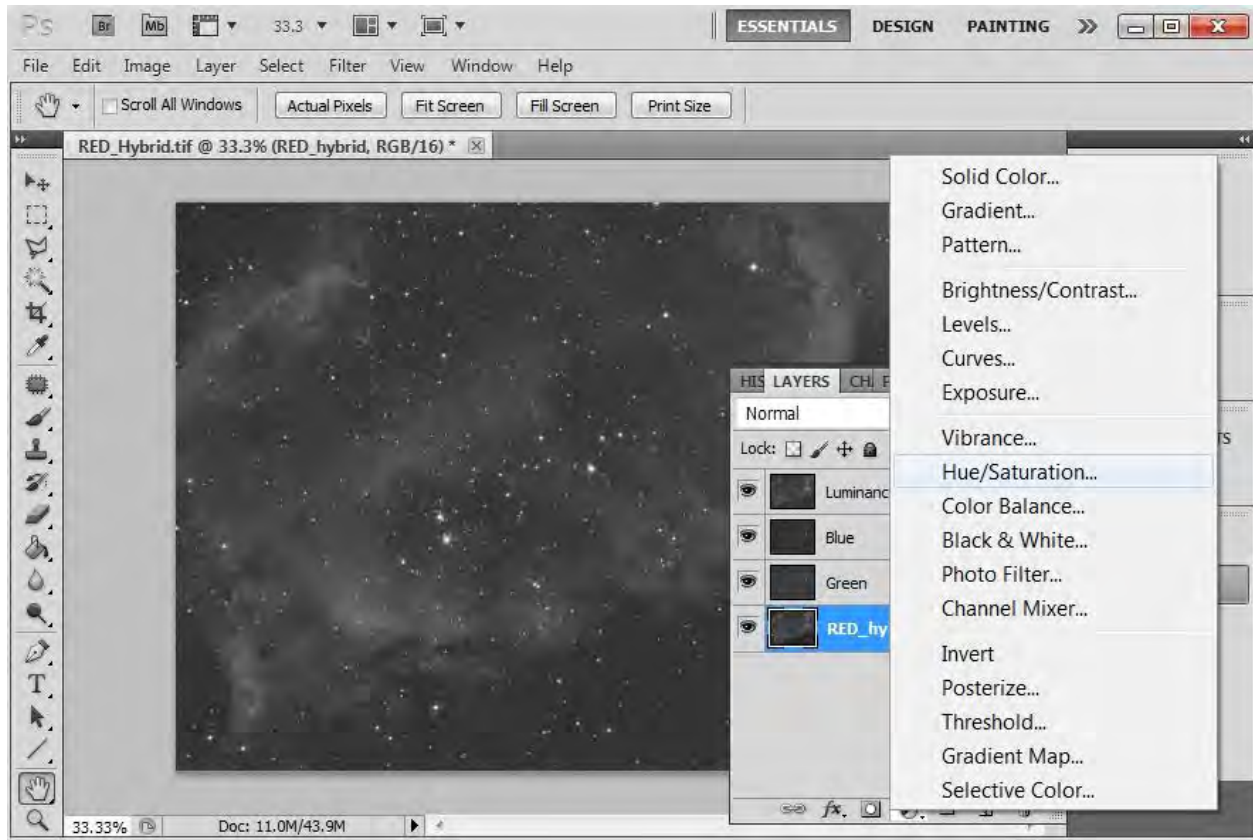
Use RED\_Hybrid as base layer and change its mode from grayscale to RGB.

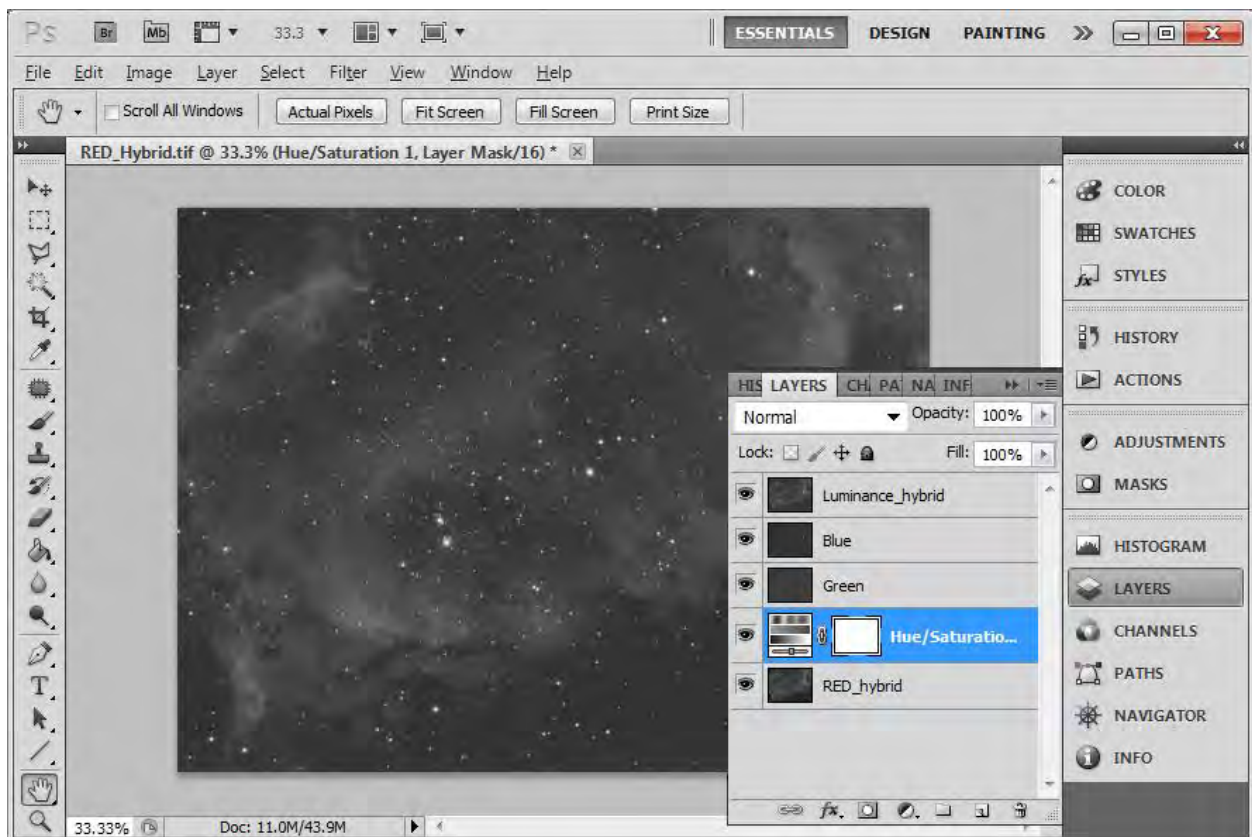
Put all other frames on top of RED\_Hybrid in this order from bottom to top: Green, Blue, Luminance\_hybrid.



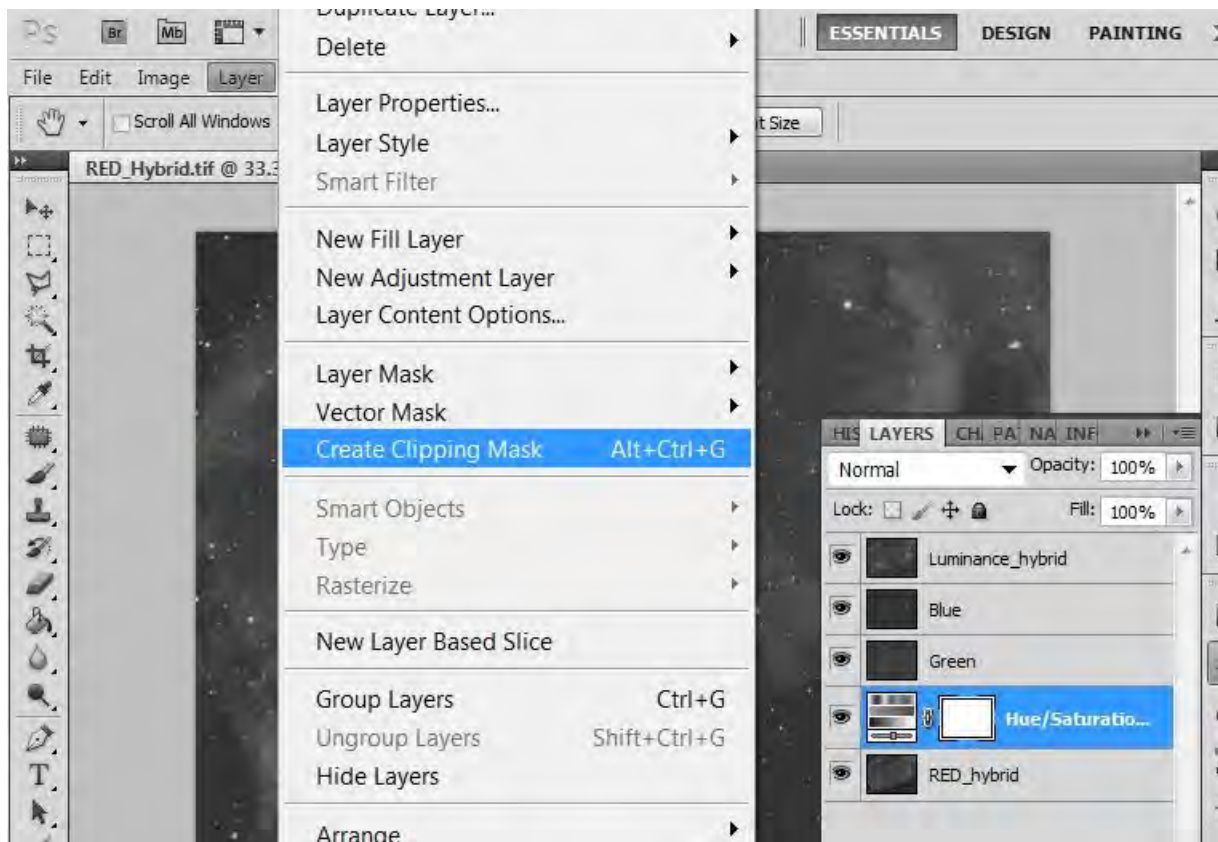
## Step8: Colorize RED\_hybrid frame

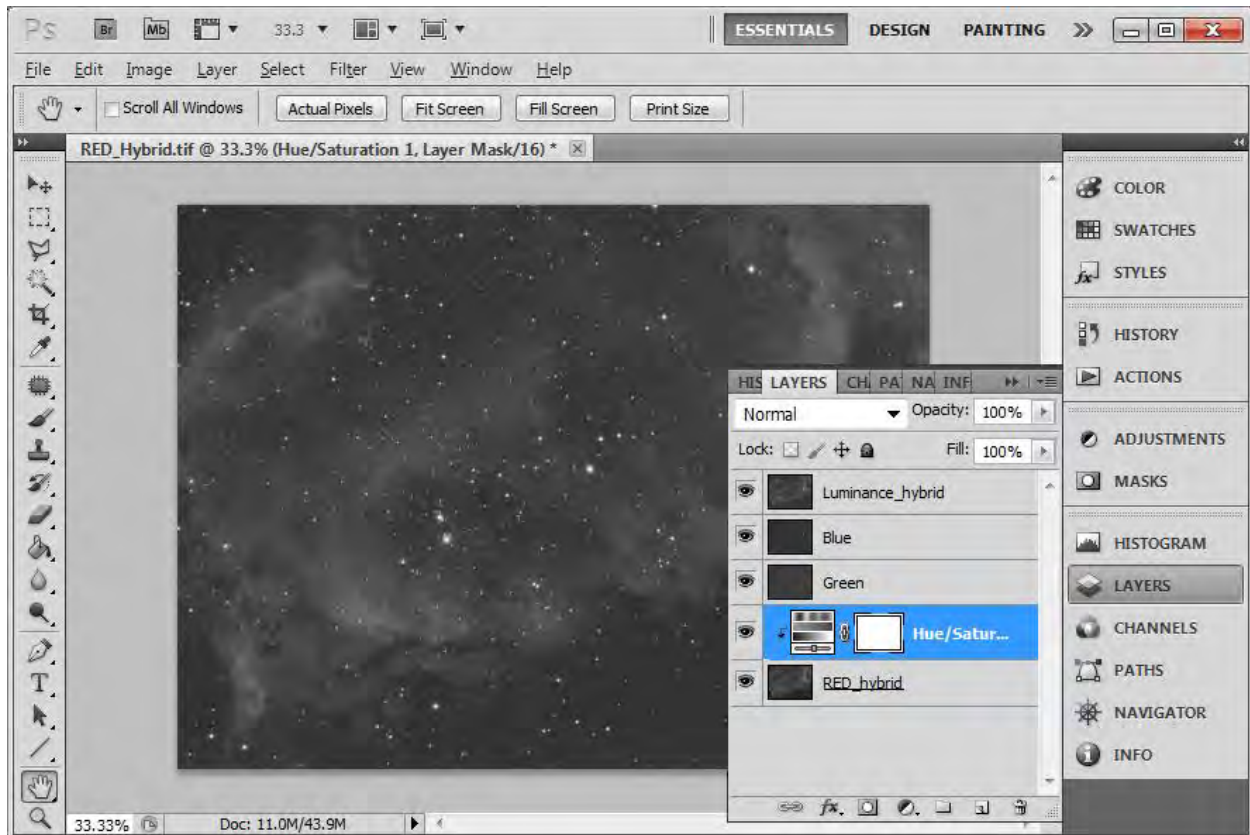
Create a Hue/Saturation adjustment layer





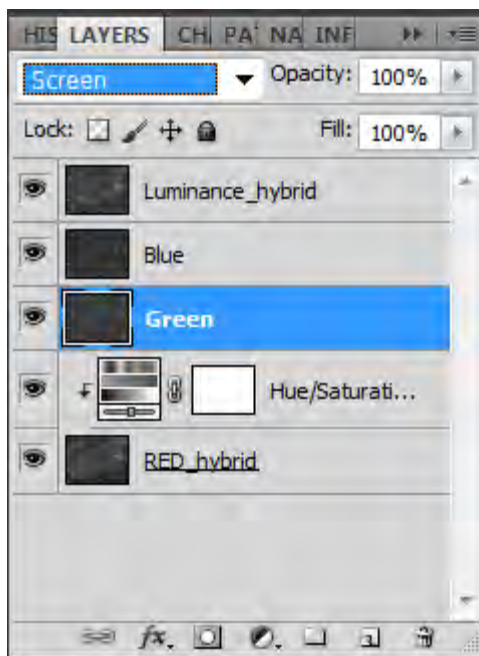
## Create Clipping Mask



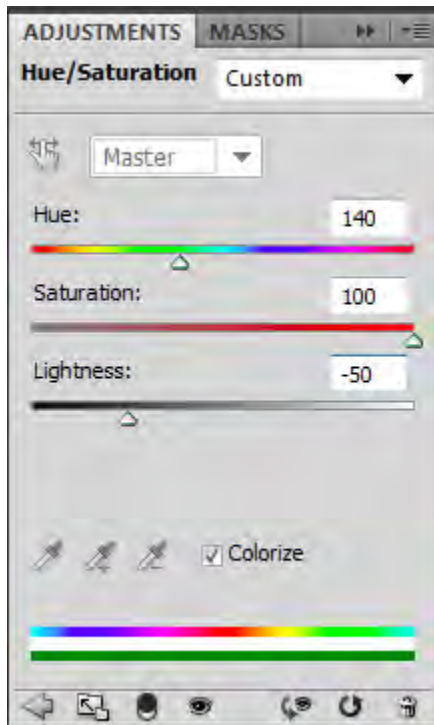


**Step9: Colorize Green frame**

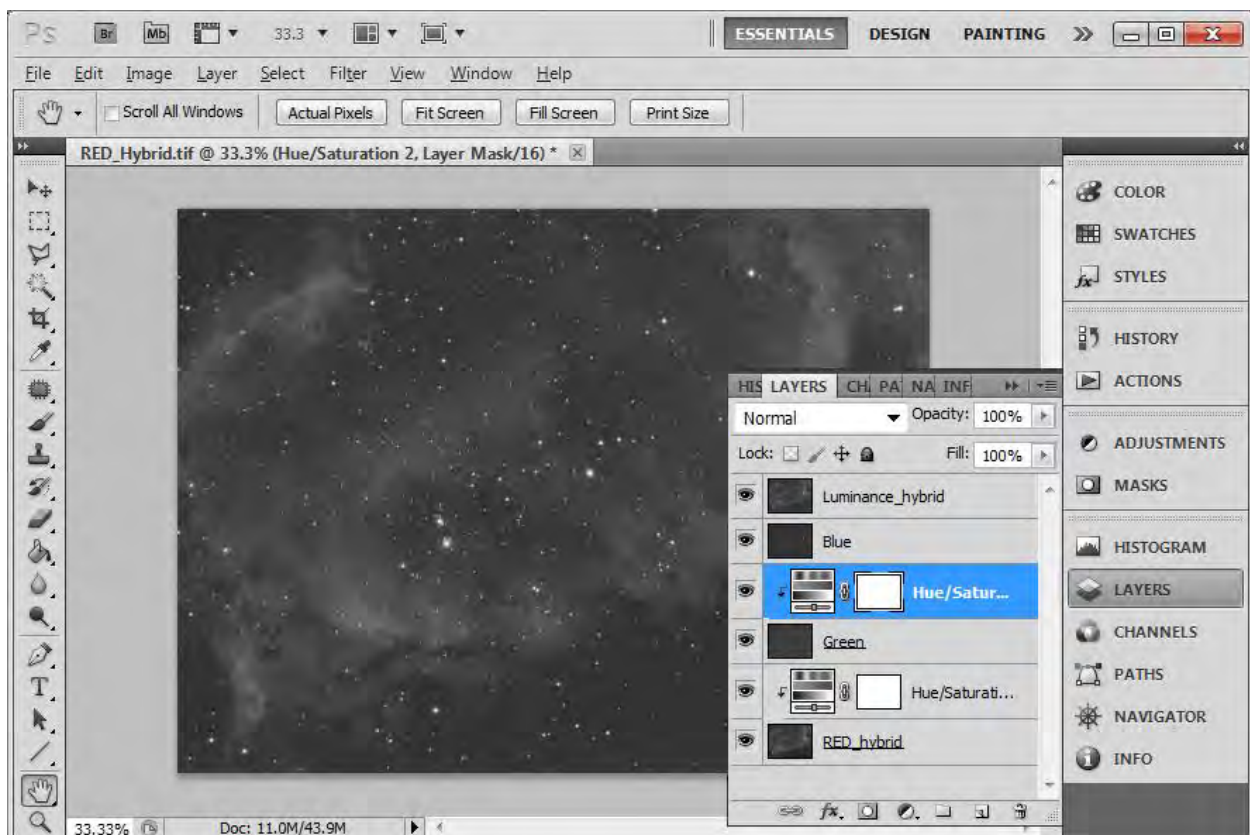
First you need to set the blending mode of Green layer to “Screen”.



Create a Hue/Saturation adjustment layer

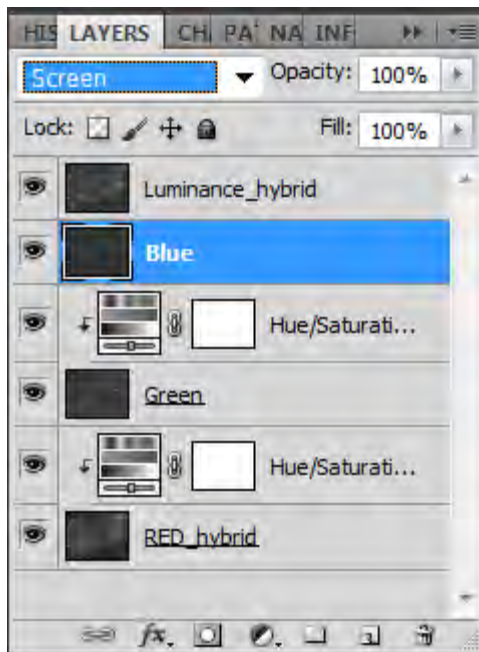


Create Clipping Mask



## Step10: Colorize Blue frame

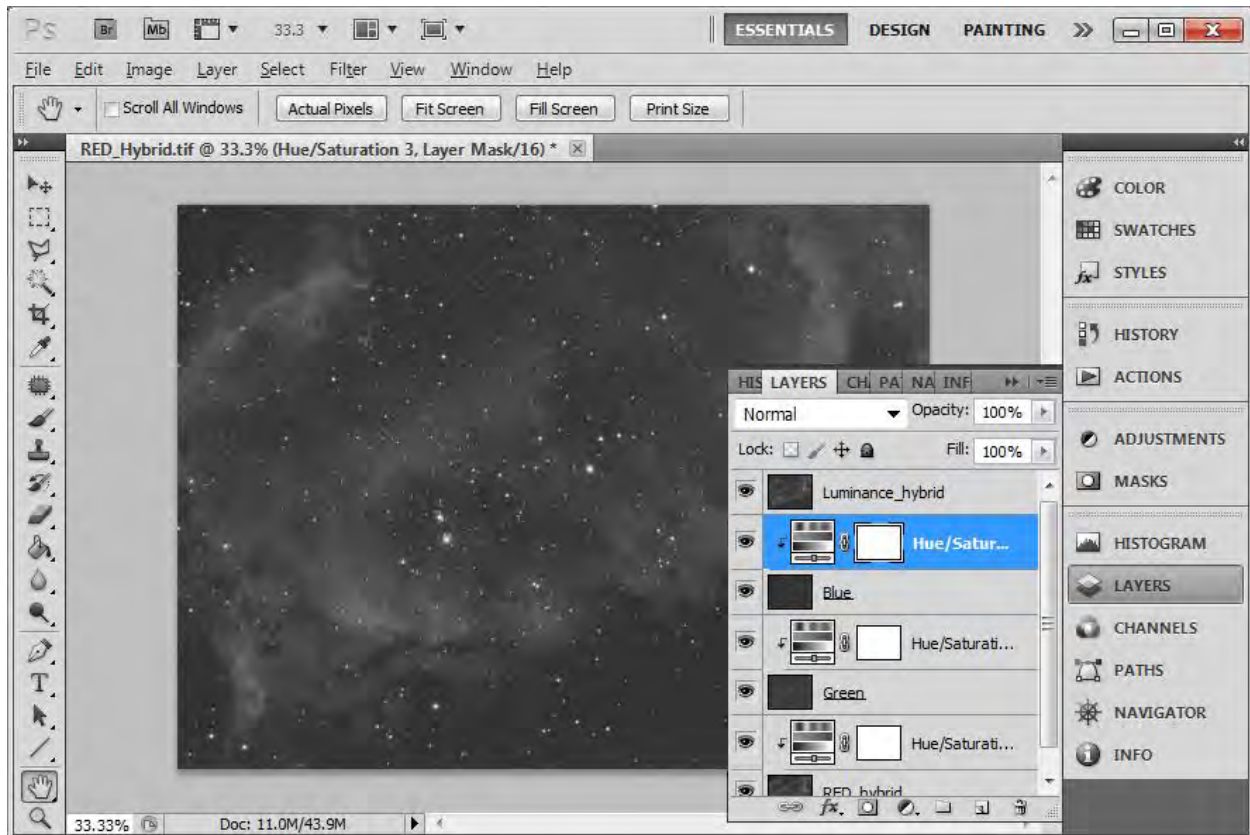
First you need to set the blending mode of Blue layer to “Screen”.



Create a Hue/Saturation adjustment layer

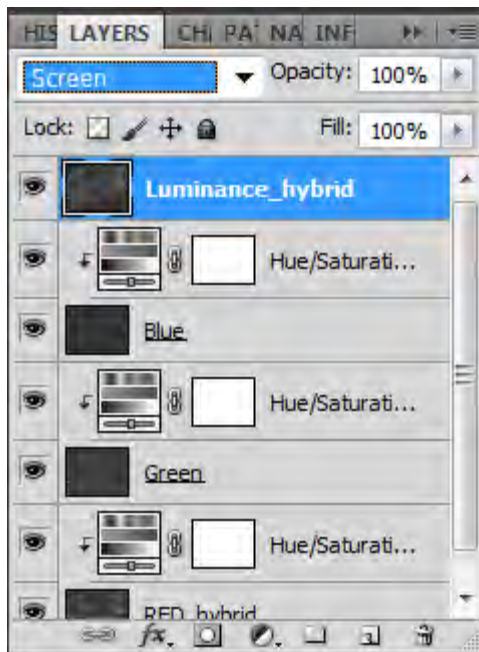


## Create Clipping Mask

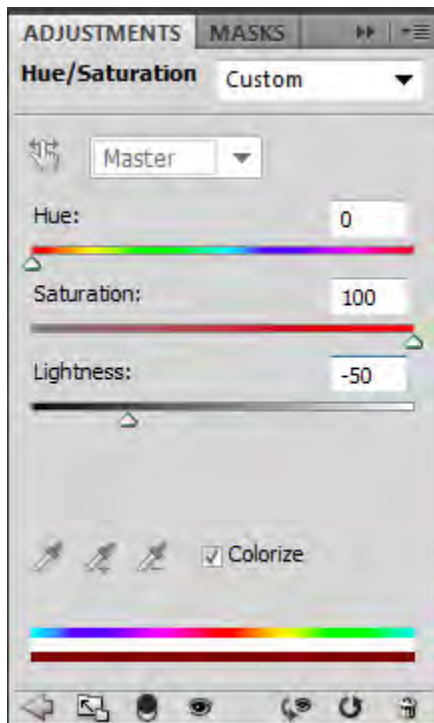


### Step11: Colorize Luminance\_hybrid frame

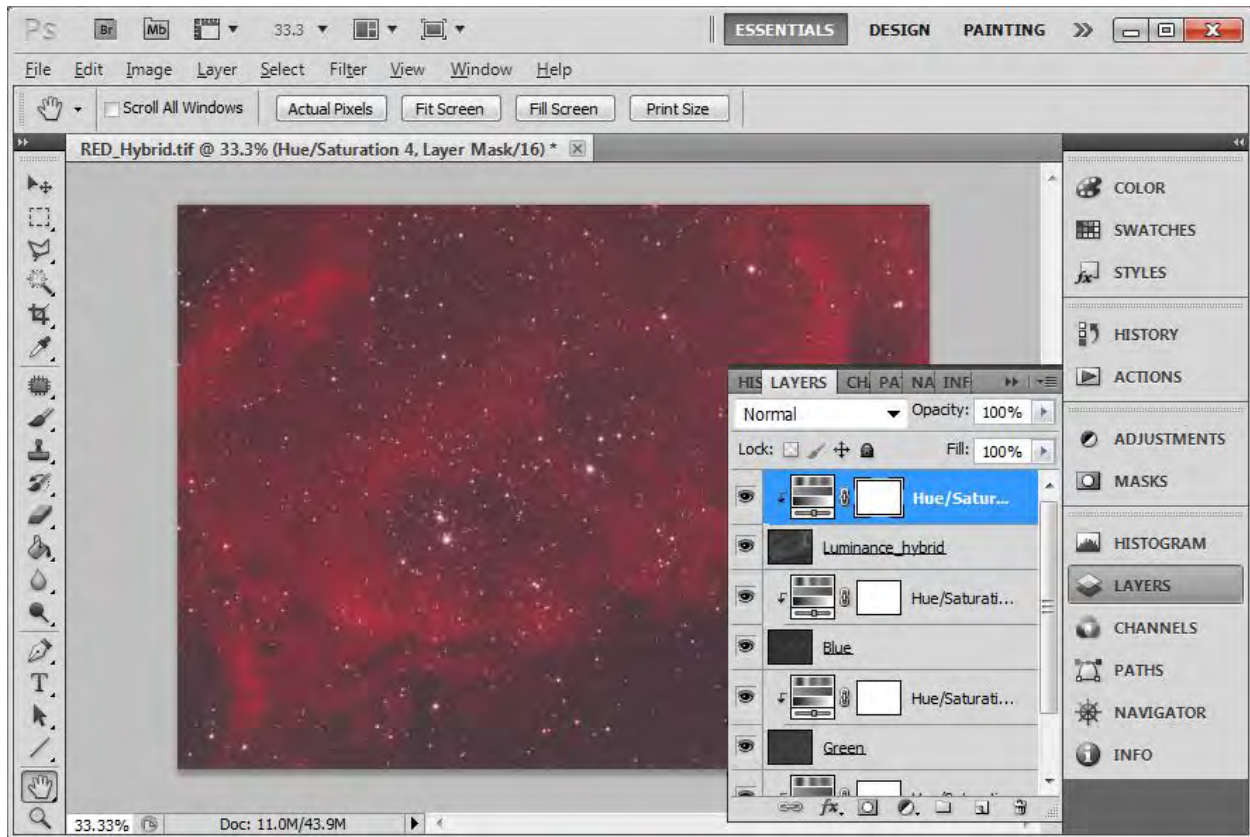
First you need to set the blending mode of Luminance layer to “Screen”.



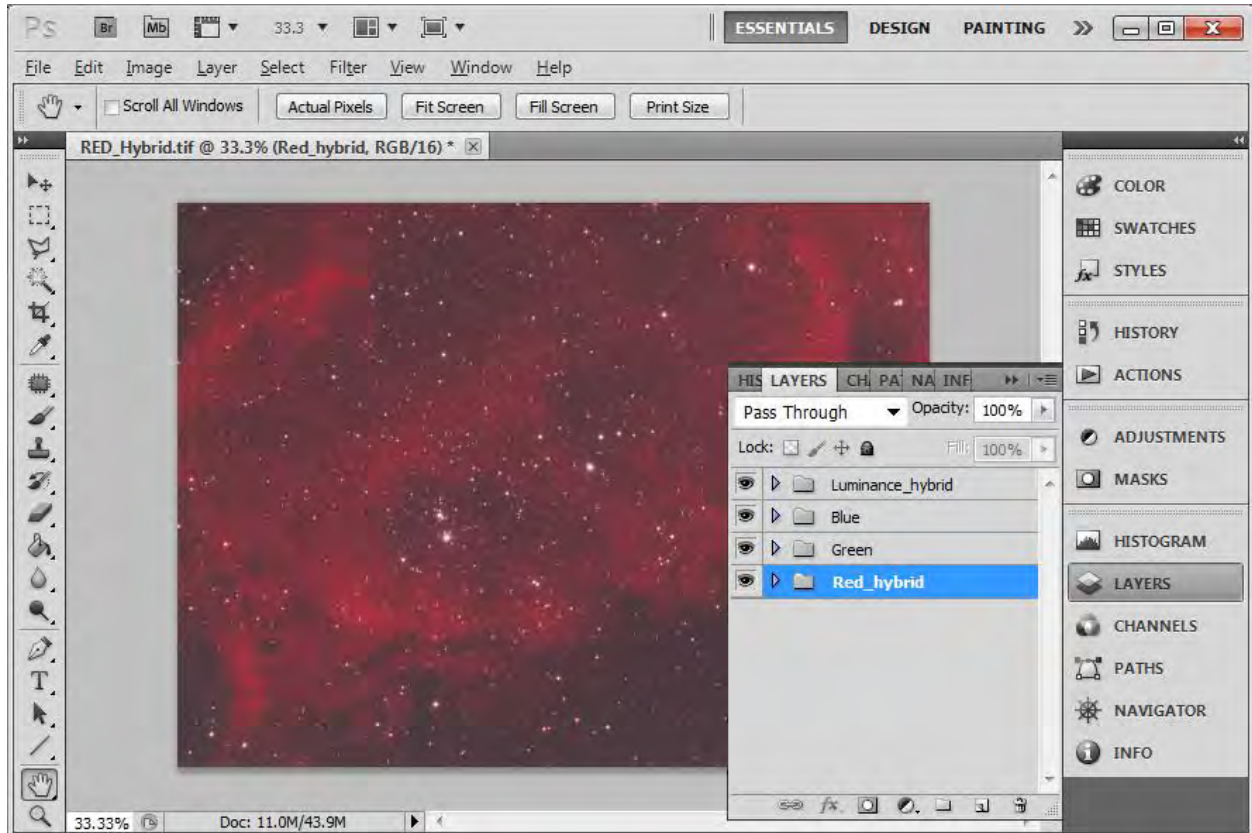
Create a Hue/Saturation adjustment layer



## Create Clipping Mask

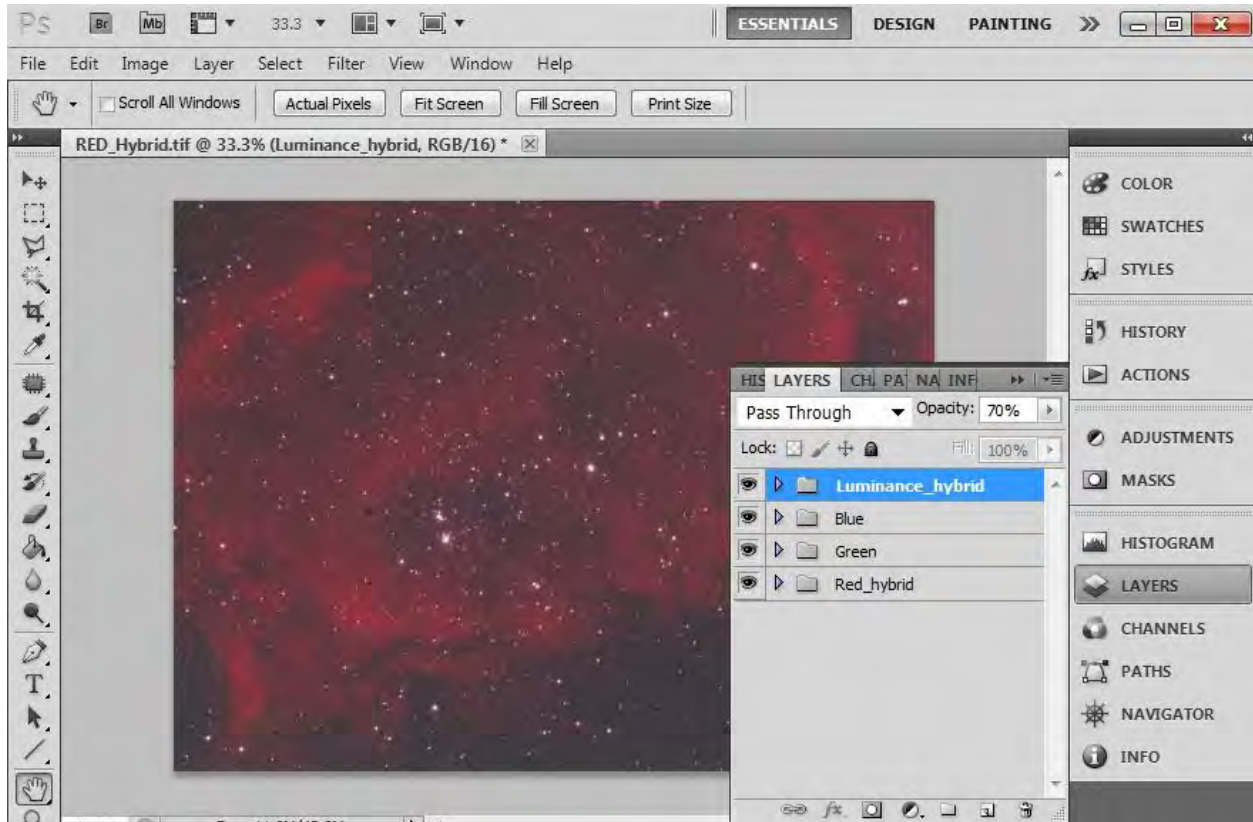


## Step12: organize the frames in folders



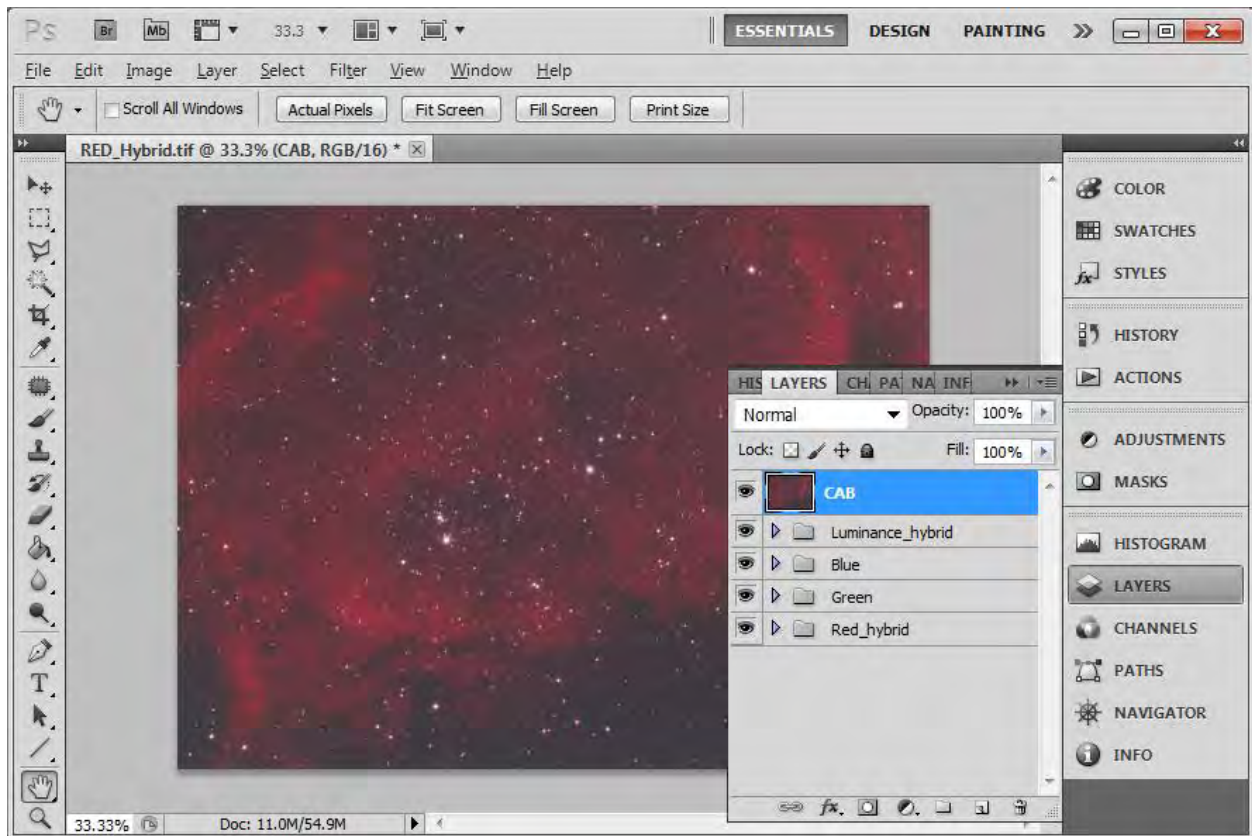
Please notice you can play with opacities in each folder to set the color to taste.

For example I have set opacity to 70% for luminance\_hybrid



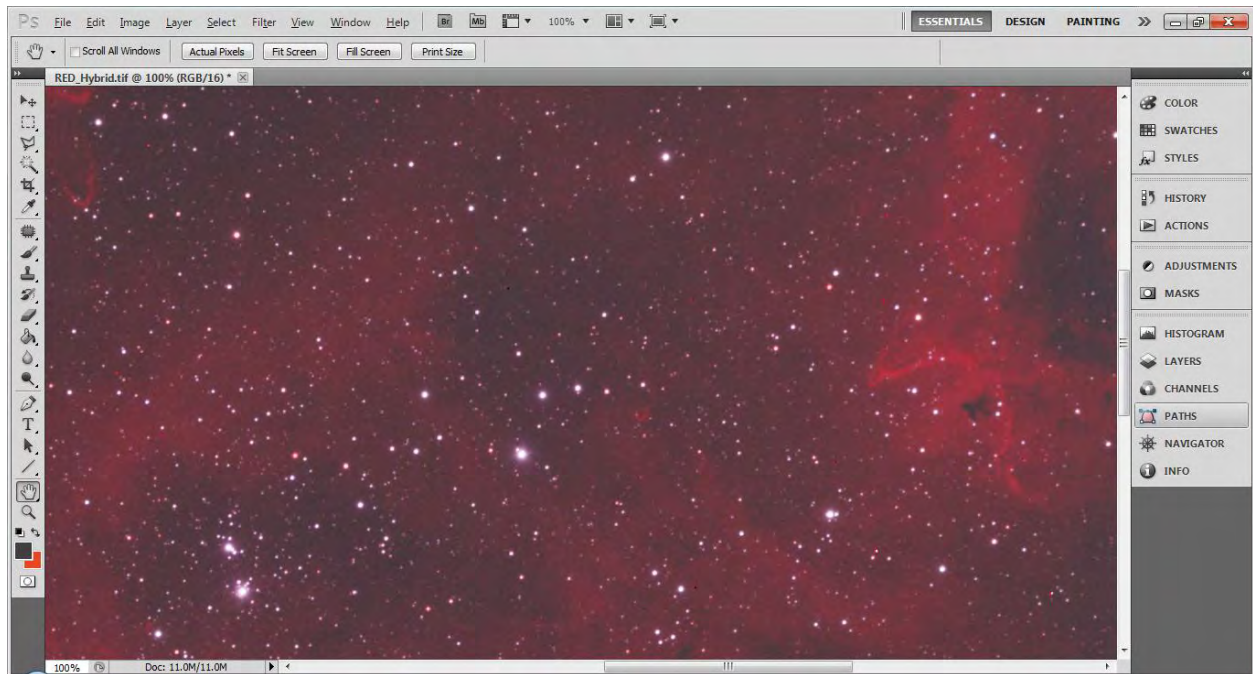
### Step13: create CAB layer

To create the CAB layer press **SHIFT+CTRL+ALT+N+E**



Flatten the image

## Final result



Final result zoom to check the stars color



Thank you and clear skies!!!

