

## Eastern Veil Nebula

This is my image of the Eastern Veil which is just one segment of the much larger Veil Nebula located in Cygnus. The whole Veil Nebula is very large - about 2400 light years away. My scope has a focal length of 1050 mm but to image the entire veil you would probably need something no longer than 300 mm or stitch together a mosaic. The Veil nebula is a supernova remnant which Wikipedia says came from a star 20 times more massive than the sun.

This was a fun exercise for me because it was my first attempt at total narrow band imaging. It was shot through SII, Ha and OIII filters and processed into the Hubble Palette. The Hubble Palette puts the SII filter in the Red channel, Ha in the Green and OIII in the blue. This produces a very colorful image which is definitely false color but it has been made famous by the Hubble and is used frequently by astrophotographers, particularly for nebulas. I really had fun with the colors - saturating them a little bit and adjusting the hues slightly but not a lot of processing. This method produces a lot of magenta that I took out of the stars but left it in the rest of the image. It peeks through and I think it belongs.

The exposures were as follows:

SII 175 x 300 seconds

Ha 176 x 300 seconds

OIII 172 x 300 seconds

Total 43.6 hours

You can also view the image on my Astrobin page:

<https://astrobin.in/i9250r/0/>

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Finding chart for the Eastern Veil

