

NGC 7822

This is an image of NGC 7822 captured on my setup in Castilléjar, Spain which is operated remotely by me from my home in Asheville. This is an active star forming region in the constellation Cepheus. It includes the emission region that is designated as Sh2-171. You may click on the link below to my AstrobIn page and hold your cursor over the image to see the annotated version.

<https://astrob.in/eyoggk/0/>

As with most of my images lately, this is a narrow band image, using SII, Ha and OIII filters. The focal length of my scope is well suited to nebulas and narrow band filters show them in dramatic color and allow me to shoot within a couple of days before and after a full moon. This nebula is 2,935 light years away and about 150 light years wide. I've cropped it a little bit to make star forming pillars more noticeable. These are cool features and you should zoom in on them. They may remind you of the famous Hubble picture of the pillars of creation in the Eagle Nebula (located in Serpens). The exposures are as follows:

SII 71 x 600 sec

Ha 71 x 600 sec

OIII 72 x 600 sec

Total 35.6 hours

Processed in Pixinsight using the following addons: BXP, NXT, SXT and Bill Blanshan's color masks

Tom Engwall

