

SH2-155, The Cave Nebula

This is my image of SH2-155, The Cave Nebula, captured on my remotely operated setup in Castelléjar, Spain. Wikipedia describes it as a diffuse nebula in the constellation Cepheus, within a larger nebula complex containing emission, reflection and dark nebulosity. It is about 2400 light years away from earth.

This is a two panel mosaic using narrow band filters and processed into the HSO palette. The HSO palette is used by the Canada, France, Hawaii Telescope and places the Ha filter in the red channel, SII in the green channel and OIII in the blue channel. This gave the image a more reddish, purplish and gold appearance. That seemed to work better for me than the blue and gold in the more traditional SHO (Hubble) palette. Narrow band gives me the advantage of shooting well into the full moon and it does a better job of highlighting the different chemical components of the nebula.

Exposure Times:

Ha 144 x 300 sec

SII 144 x 300 sec

OIII 144 x 300 sec

Total 36 Hours

Astrobin link to this target: <https://astrob.in/snaymg/0/>

Finding chart on the following page.

Tom Engwall

