

IC 405, The Flaming Star Nebula

IC 405, The Flaming Star Nebula - captured on my remotely operated setup in Castelléjar, Spain during November, 2022. This nebula has both emission and reflection regions in it - located in the constellation Auriga about 1500 light years away. The bright star in the blue area is Ae Aurigae which shines at about a +6 magnitude. The nebula has been captured in narrow band (SII in the red channel, Ha in the Green channel and OIII in the blue channel) and the stars were captured in R, G and B. That is done by capturing two images - one in narrow band and another in wide band (red, green and blue filters). The stars and the nebula are separated in Pixinsight and put back together using the narrow band image of the nebula and the stars from the RGB image. This allows me to get the interesting color from the narrow band filters and natural looking stars from the RGB filters.

The exposures were as follows:

SII 72 x 600

Ha 72 x 600

OIII 65 x 600

Total 34.8 hours

R, G and B filters 18 x 180 each (for the stars)

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