

## Sh2-157 and the Lobster Claw

This is my image of Sh2-157 and the Lobster Claw captured by my setup in Castelléjar, Spain. Sh2-157 is actually the small bright spot just left of center. It is surrounded by the Claw Nebula, better known as the Lobster Claw. It is about 11,000 light years away in Cassiopeia. I captured this image with narrow band filters, SII, Ha and OIII. This makes it quite colorful as they expose the composition of the nebula. I also shot RGB stars and replaced the narrow band stars with them. The narrow band stars were fine but the RGB stars have more color and look more natural. The stars had to be significantly deemphasized though, as there are thousands of them and they would otherwise hide the nebula. I also used a new tool which has the PixInsight community quite excited - BlurXTerminator. It does what is called Deconvolution (clearing up the image and exposing more detail). It does it far more simply and efficiently than previous processes in PixInsight. The exposure timings are as follows:

### Narrow Band

SII 61 X 600 seconds

Ha 60 X 600 seconds

OIII 58 X 600 seconds

Total 29.8 hours

### Broad Band (For Stars)

Red 18 x 180 seconds

Green 18 X 180 seconds

Blue 18 X 180 seconds

A larger version may be accessed from my Astrobin page:

<https://astrob.in/se9t8k/0/>

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