

This is NGC 2264, which is the official designation for two objects, the Cone Nebula and the Christmas Tree Cluster, captured on my remotely operated setup in Castellójar, Spain. The Cone Nebula is the dark structure on the left side of the image. I suggest zooming in on the different areas of this image and/or tapping on the link below to my Astrobin page for a larger view.

<https://astrobin.in/9rcg8l/0/>

NGC 2264 is about 2400 light years away in the constellation Monoceros and is an active star forming region. The exposure times are as follows:

Red 72 x 600 sec

Green 72 x 600 sec

Blue 67 x 600 sec

Lum 71 x 300 sec

Ha 71 x 600 sec

Total 47 hours

This nebula has a lot of Ha in it, so by capturing that, I was able to pick up some interesting structure. I also processed most of the image in starless form and added back the stars at the end. Please contact me if you have any questions about this image.

Tom Engwall

