

IC434, the Horsehead Nebula

This is a picture of the Horsehead Nebula (also known as IC434 or Barnard 33), which is a dark cloud of ionized gas lit from within by young, hot stars in the Orion molecular cloud complex, where star formation is taking place. (It might be better called the Seahorse Nebula.) It is located in the constellation of Orion, which is prominent during the winter evening sky in the Northern Hemisphere. It is around 1400 LY from Earth. It was discovered photographically in 1888 by Williamina Fleming on a photographic plate taken at the Harvard College Observatory.

This is around 19 hours of imaging time collected from my C11 during March of 2022 and March of 2023, all with an Ha filter to better pick up the ionized gas. Processed with PixInsight.

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