

# The Objective Lens

University Lowbrow Astronomers Monthly Newsletter Supplement

January 2023

## Stars!



From **JACK SPRAGUE**. M2. Es 127 shortened to 680mm, 183mc cooled color camera gain 125. 15 second exposures x30 processed in AstroPixel Processor. Shot on 8/27/2022.



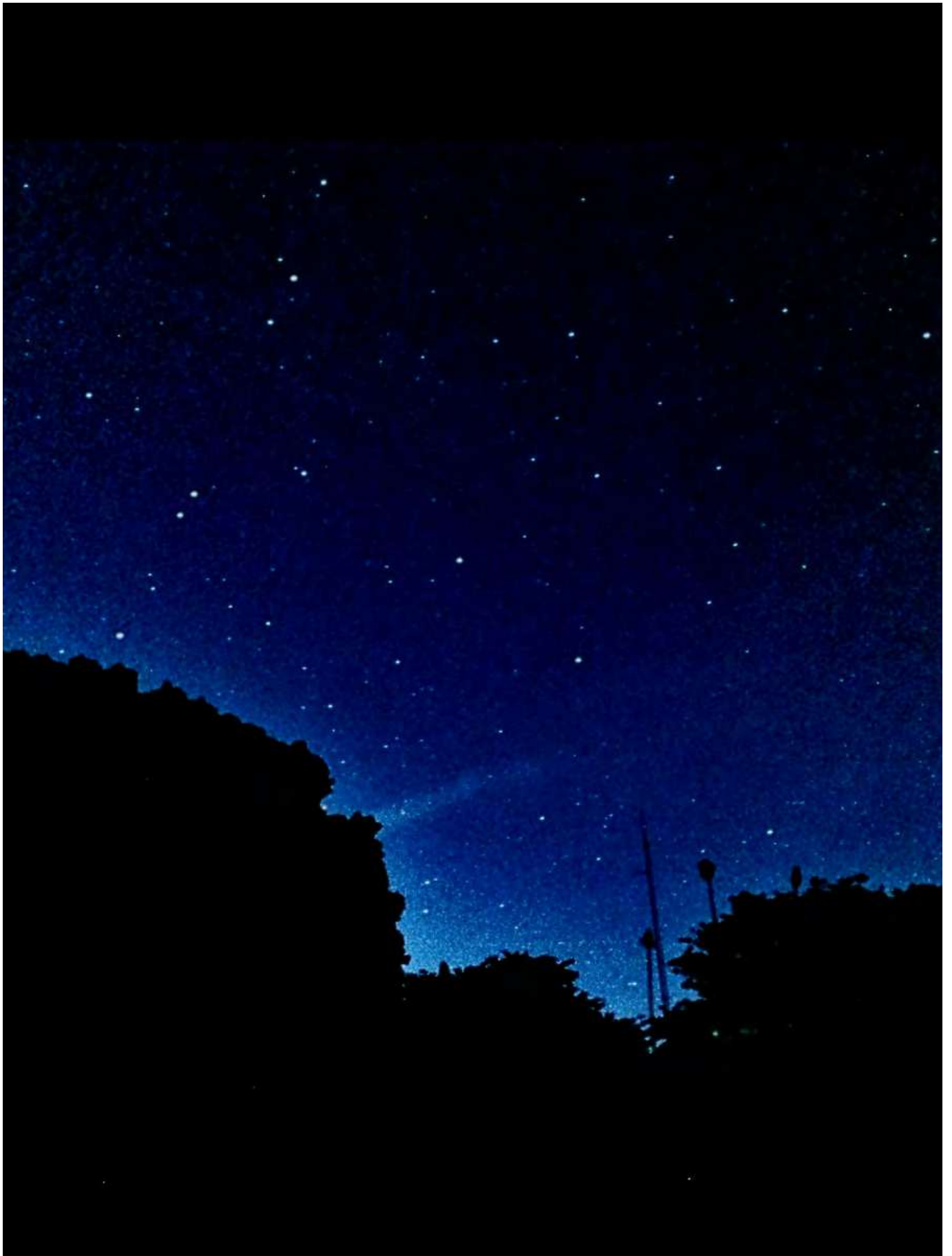
From **JEFF KOPMANIS**. A very nearby star.



From **GLENN KAATZ**. Nikon D750 and a Rokinin 14 mm lens on a tripod. Shutter speed 15 seconds, ISO 800  
About 1.5 hours worth of images were obtained. Processing used Sequator and Photoshop



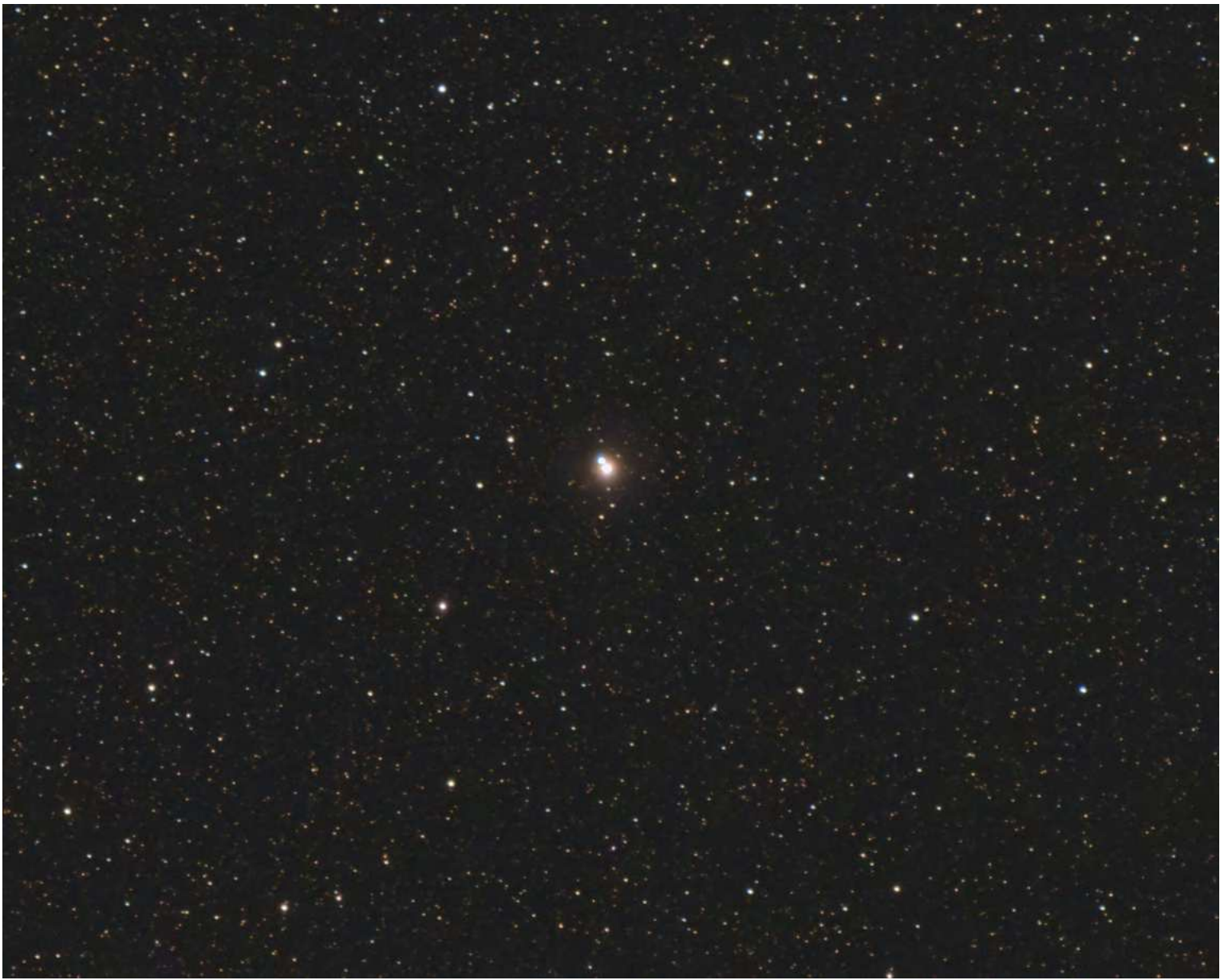
From **JEFF KOPMANIS**.



From **MATTHEW WEST**.



From **MATTHEW WEST**. Taken with iPhone XS.



From **AMY CANTU** Albireo.

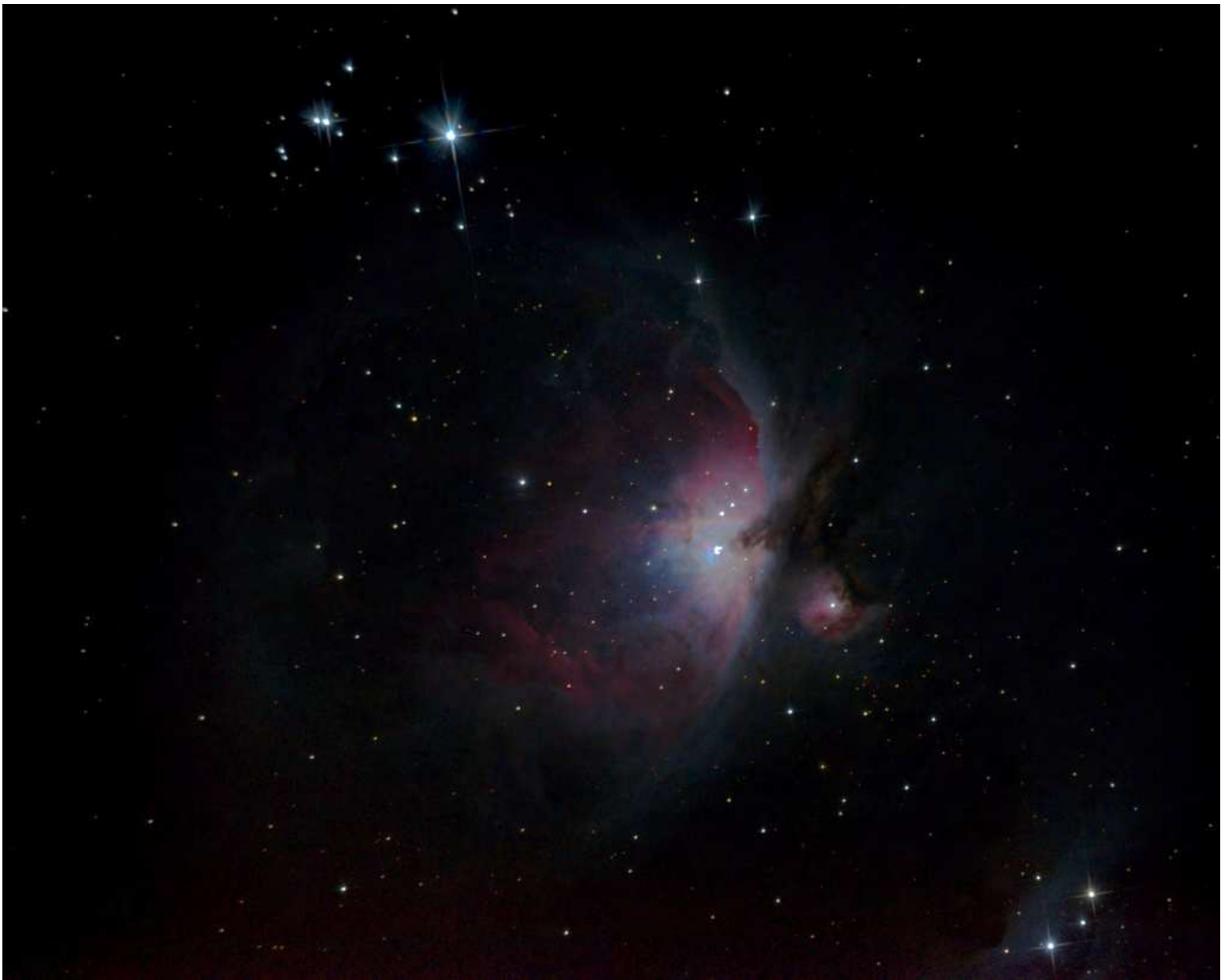


From **DMITRI TSAHELNIK**. Crab Nebula. 6in f/6 on a meade lxd55 with a nikon d5600





From **JASON CLOSE**. NGC1333. Over 18 hours each of luminance (using mono camera) and chrominance (using one-shot-color camera).



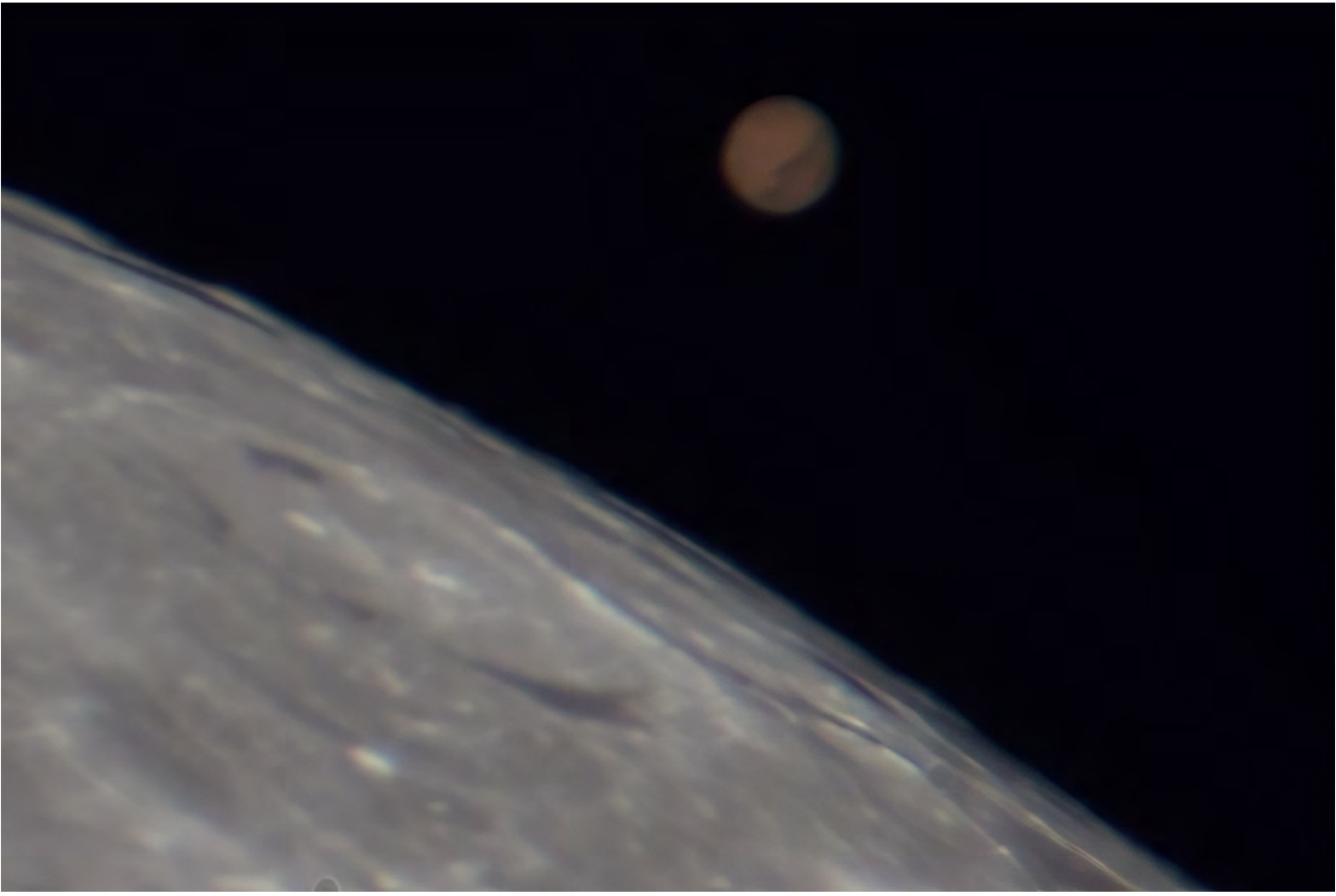
From **DMITRI TSAHELNIK**. Orion Nebula.



From **MATTHEW WEST**. Taken with iPhone XS.



From **ADRIAN BRADLEY**. Moon & Mars Occultation.



From **JASON CLOSE**. Moon & Mars Occultation.

# Lunar Occultation of Mars Dec 7, 2022

*JAC Astro*



From **KARIM JAFFER**. Moon & Mars Occultation.



From **AWNI HAFEDH**. Elephant Trunk, IC 1396. This is called the Elephant Trunk Nebula, I captured 45x5min for H-Alpha filter, 52x5min of Oiii filter and 50x5min of Sii filter with a total exposure of 12.25 hours. It was processed as a Hubble Palette image using PixInsight and Luminar4 to produce this final image, I hope you like it.

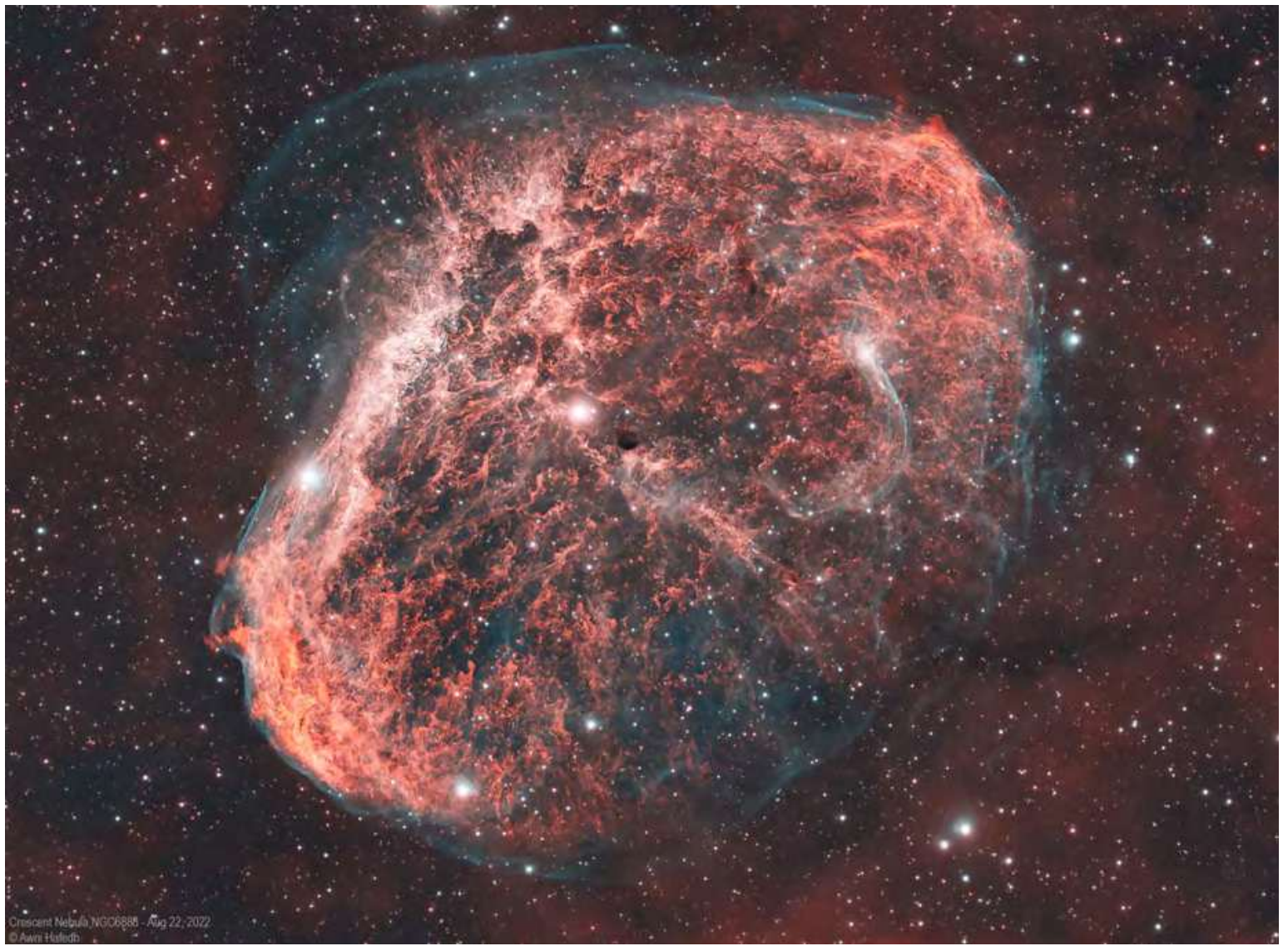
Equipment used

Celestron 9.25" with 0.7x reducer

ZWO ASI2600MM Camera

ZWO Ha, Oiii and Sii filters

iOptron CEM60 mount



From **AWNI HAFEDH**. This is my Crescent Nebula data which was 60x5min for H-Alpha filter and 68x5min of Oiii filter with a total exposure of close to 10.5 hours. Only used PixInsight and Luminar4 to produce this final image, I hope you like it.

#### Equipment used

Celestron 9.25" with 0.7x reducer

ZWO ASI2600MM Camera

ZWO Ha and Oiii filters

iOptron CEM60 mount





From **DMITRI TSAHELNIK**. Aerial photo of Peach Mountain area.



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