

The Objective Lens

University Lowbrow Astronomers Monthly Newsletter Supplement

April 2024



From **ADRIAN BRADLEY**. Moon with Earthshine and Jupiter... a close look reveals faint little smudges of the 4 Galilean moons. Essentially this is what the conjunction looked like with binoculars. A vapor trail drifted through the scene...



From **KENNETH RUBLE**. M101 Spiral Galaxy

Specs: 105 light subs at 60 sec., 10 Darks, 10 Bias.

Equipment: 6 inch Ritchey-Chretien Telescope, 40D Canon Camera, and CG-5 Mount.

Processed with Image Plus and Topaz DeNoise AI



12:50 AM



1:20 AM



2:40 AM



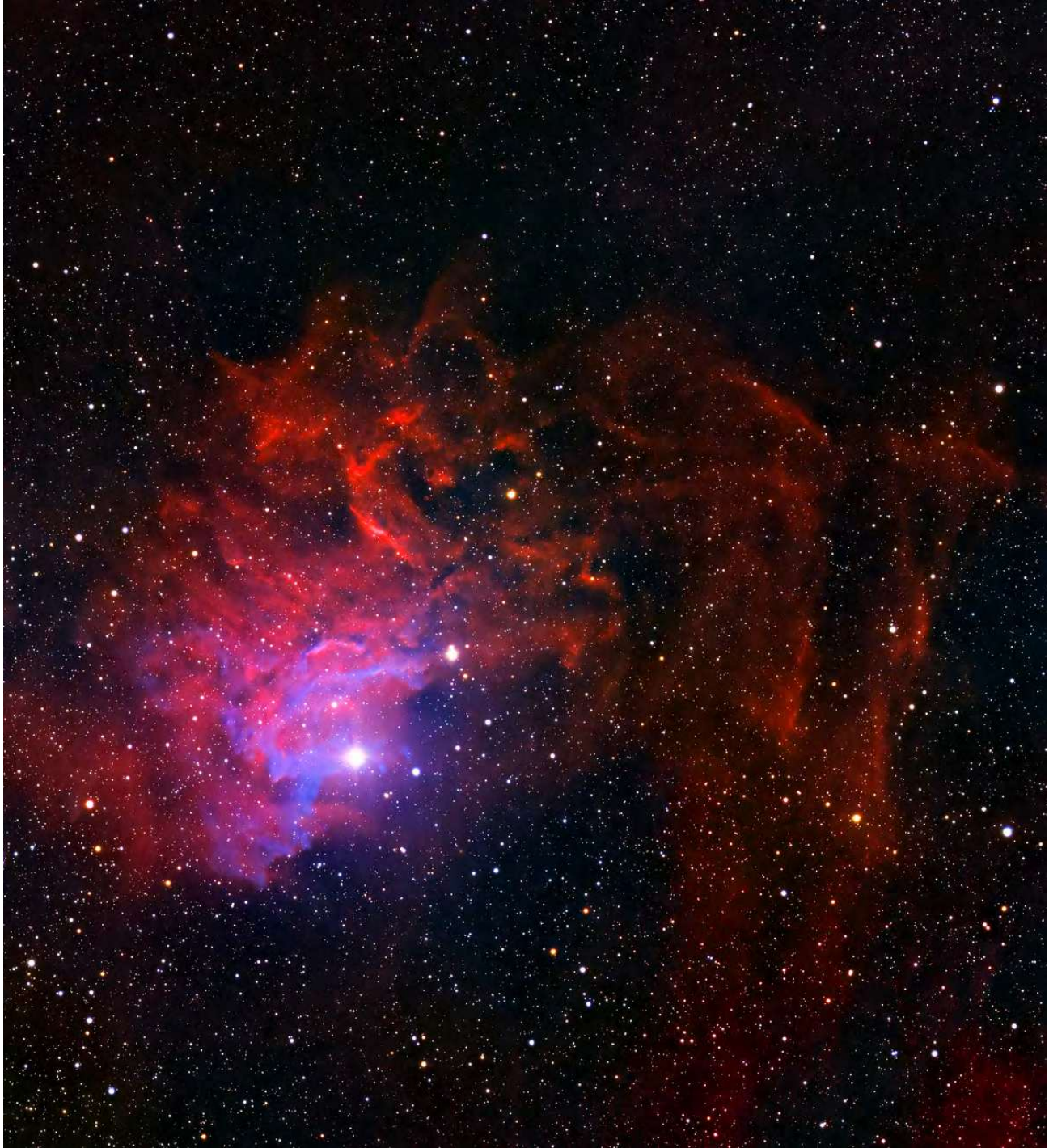
3:13 AM

From **GLENN KAATZ**: Here's a set of images I put together of our recent lunar eclipse (on 3/25/24). I did these using a camera on a tripod, with the following particulars:

Nikon D850

Sigma 150-600mm telephoto lens with a sigma 1.4X teleconverter (effective focal length 850 mm)

Shutter speed 1/320 s, aperture f/11, ISO 200



From **GLENN KAATZ**. IC 405 Flaming Star Nebula. This is the Flaming Star Nebula in HaOIII LRGB. What a challenge to process this one! I sent this image out to the club members but it may not have gone through. If you saw this already, my apologies. If not, take this one and let me know so I can send along the acquisition details.

Celestron CGX mount

Explore Scientific 102 mm apochromatic refractor with a Hotech field flattener

ASIAir Pro

All1600MM PrO main camera

ASI 290 MM mini guide camera on an Orion 60mm guidescope

ZWO Electronic filter wheel (8 position)

Astrodon Ha 5nm (24X5 min), ZWO OIII 7nm (28X 5 min), ZWO LRGB filters (24, 28, 24, 30 X 5min, respectively) for a total integration time of 13.2 hours.

Processing: Pixinsight, Photoshop, RC Astro Star, Noise, and Blur XTerimator.

The Flaming Star has the bright blue variable star AE Aurigae within it, in addition to open clusters M36 and M38. It lies in Auriga about 1500 LY away.



From **DONOVAN DREW**. Comet 12P/Pons-Brooks



From **DONOVAN DREW**. M51.



Seestar

Sun



astropup / Ann Arbor / 2024.03.23 11:46

From **DORIAN JURGLE**. Sun and sunspots.



From **MATTHEW WEST**. Moon halo.



From **MATTHEW WEST**. Lightning in the clouds.



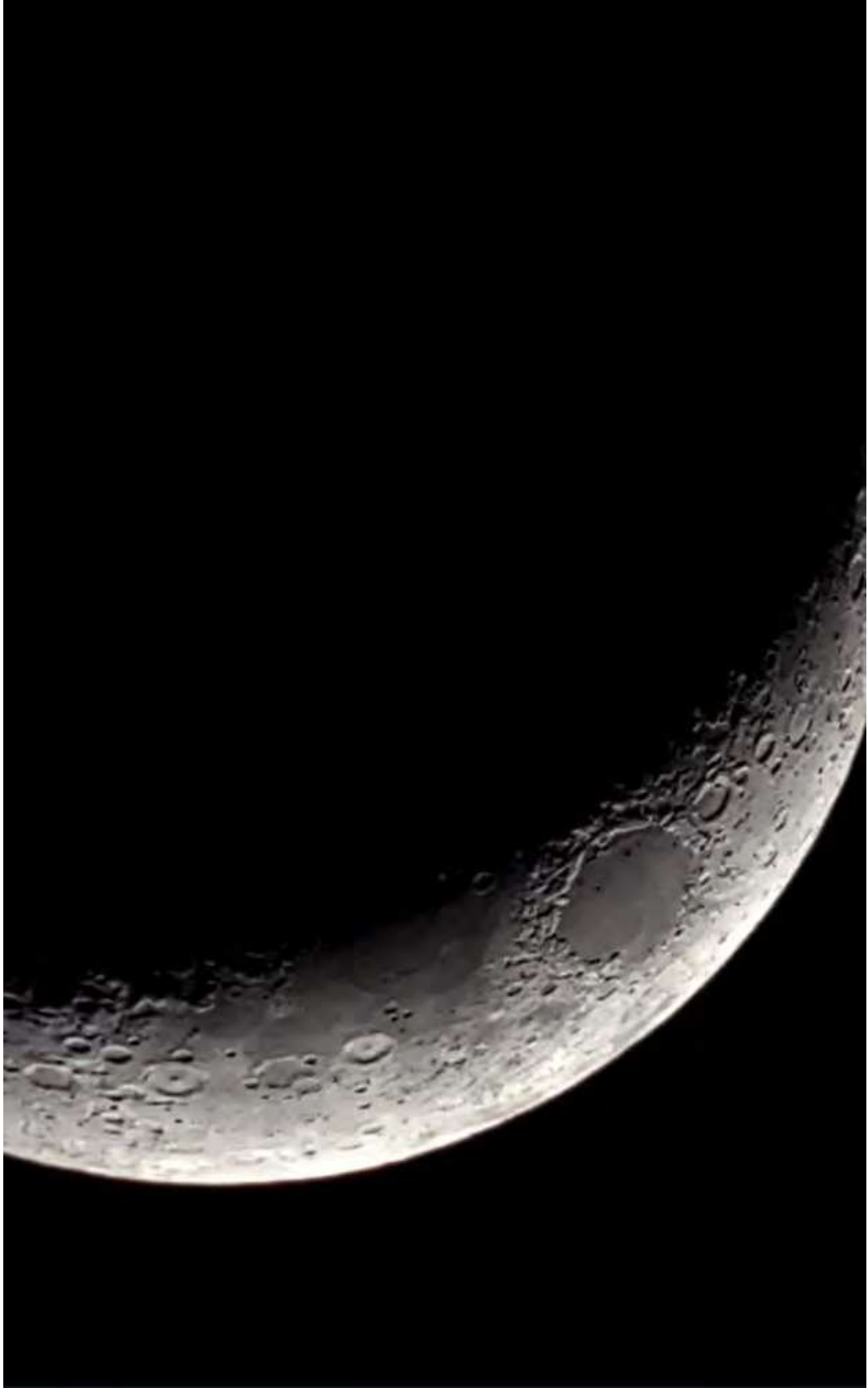
From **MATTHEW WEST**. Lightning in the clouds.



From **DAVID COOKE**. Moon halo from Florida.



From **SUBRAHMANYA S YELLAYI**. M82.



 Seestar

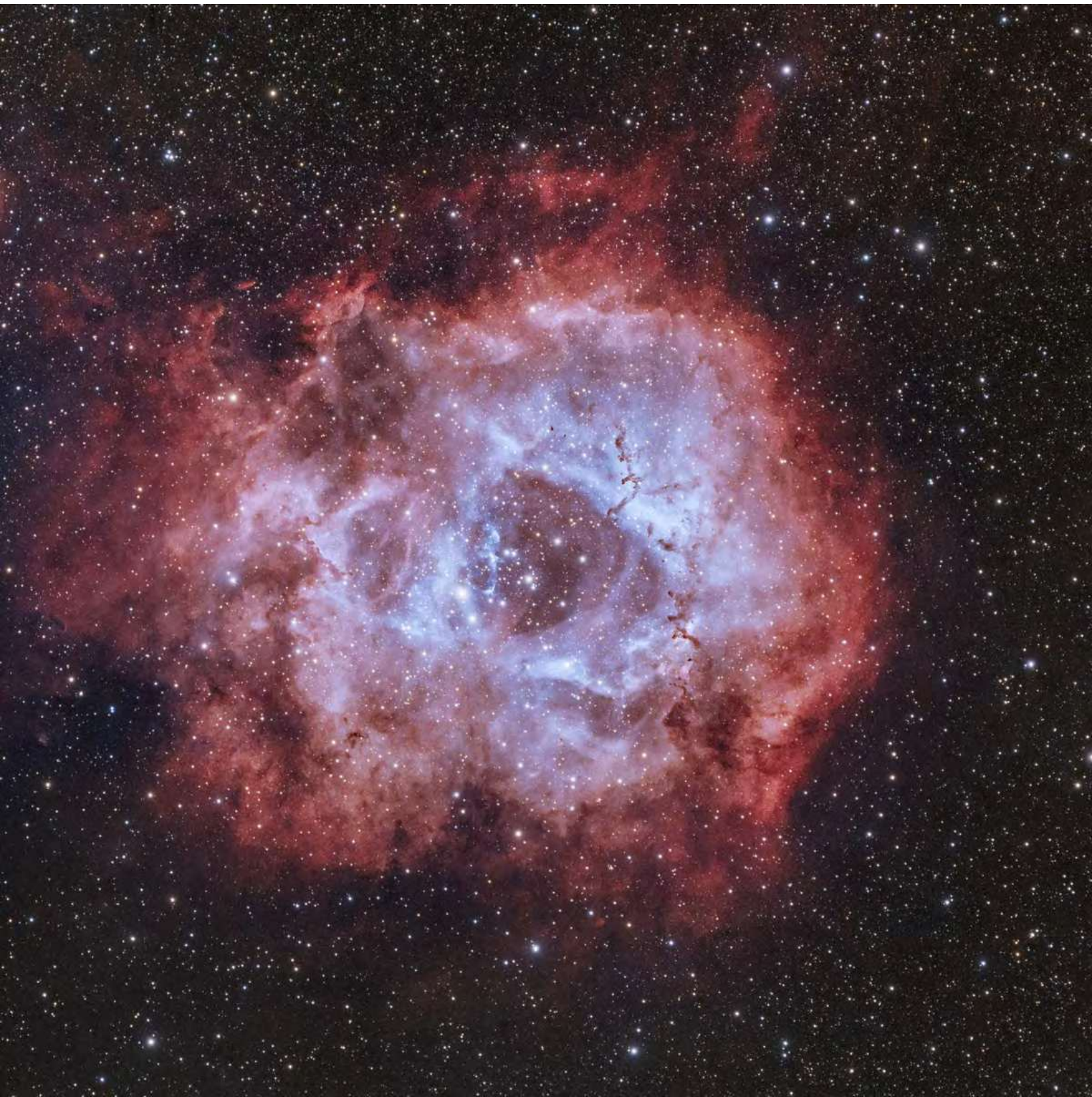
Moon

Franklin / 2024.03.13 21:09

From **SUBRAHMANYA S YELLAYI**. Moon.



From **DAVID COOKE**. Comet Pons-Brookes



From **AMY CANTU**. Rosette Nebula. ASI533MC Pro. Redcat51. 46x240 seconds, gain 100. IR/Cut filter.



From **SUBRAHMANYA S YELLAYI**. IC 434



 Seestar

Franklin / 2024.03.21 22:25

Moon

From **SUBRAHMANYA S YELLAYI**. Moon.