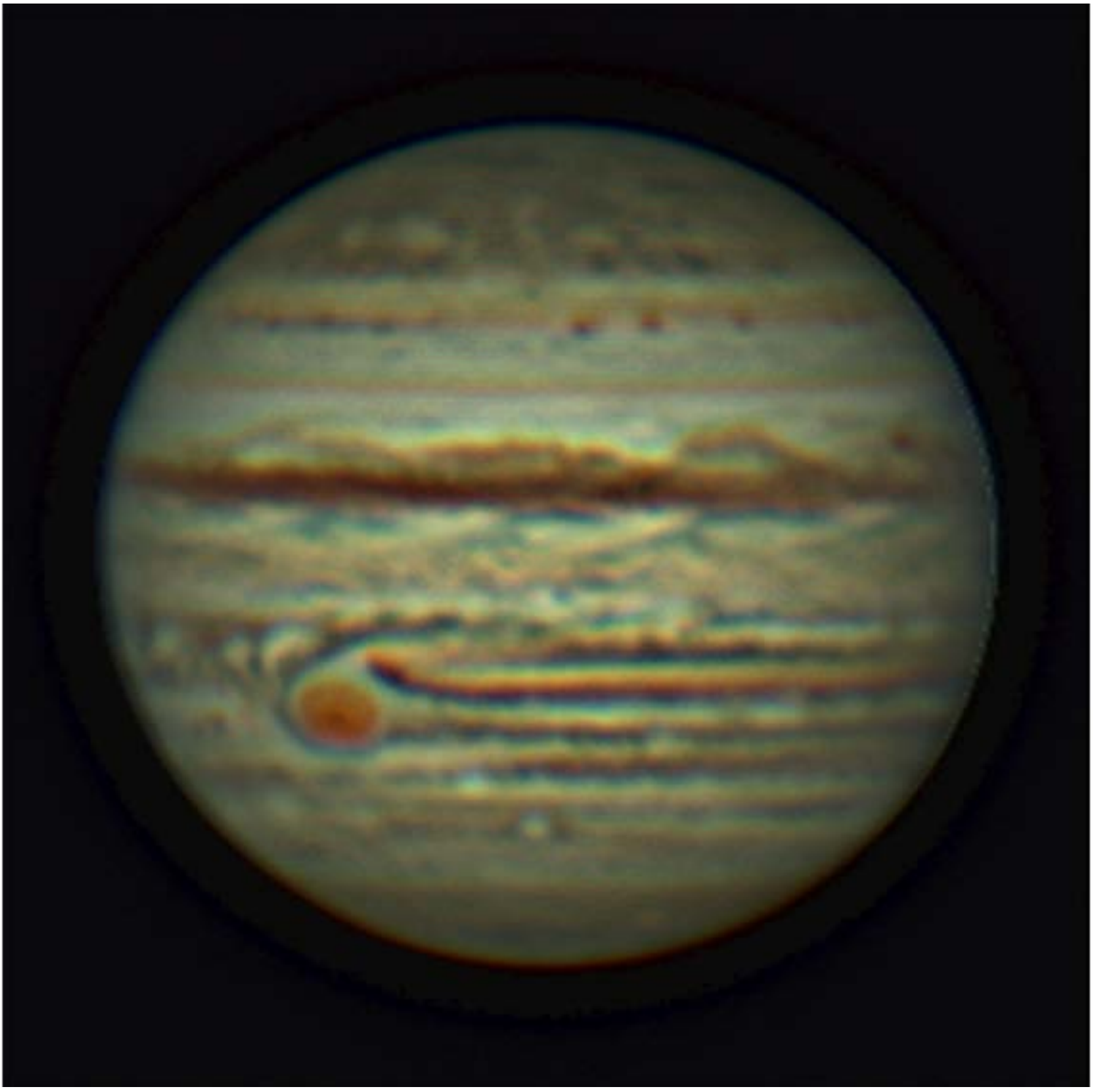
The Objective Lens

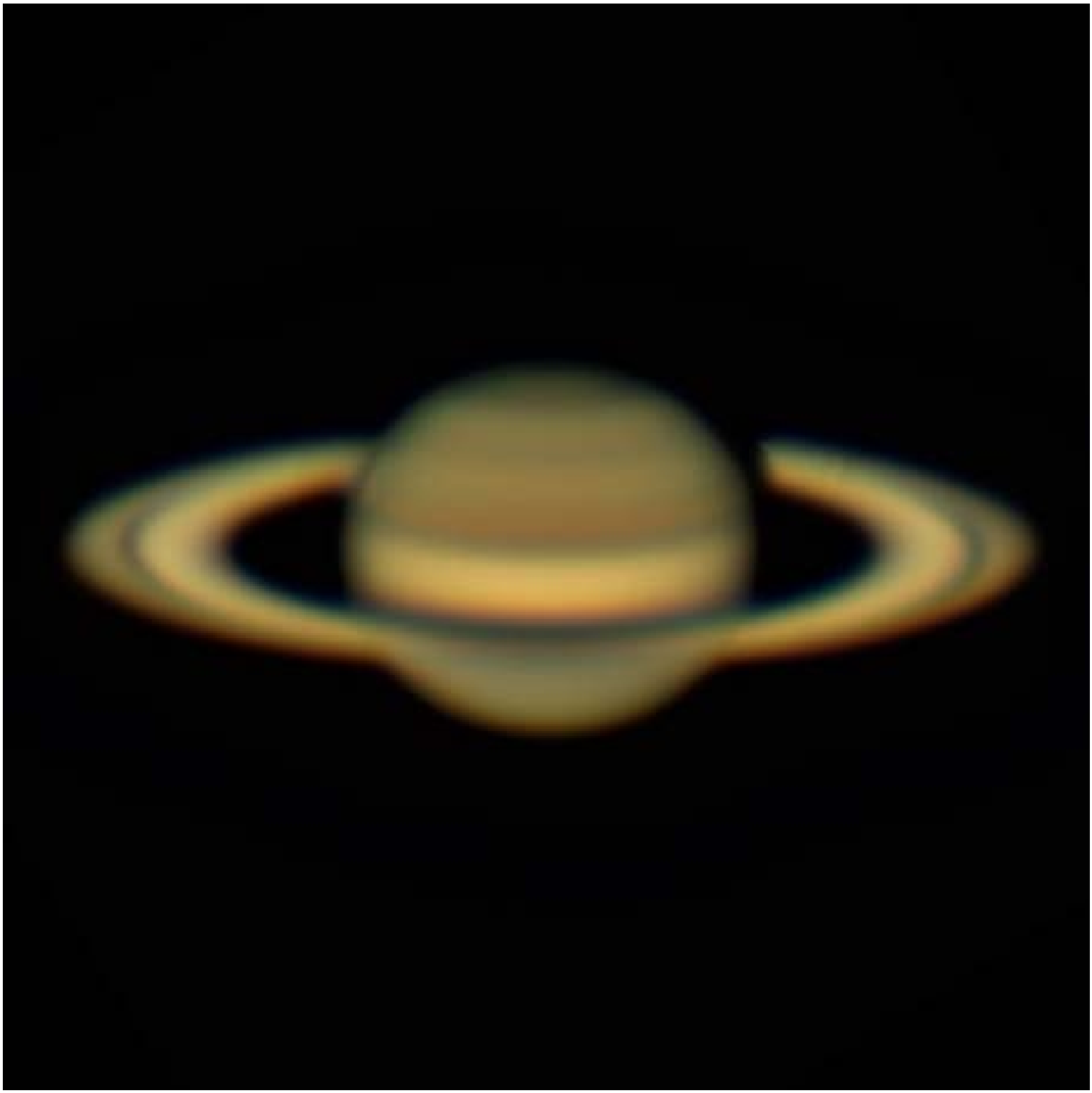
University Lowbrow Astronomers Monthly Newsletter Supplement

October 2022

Planets

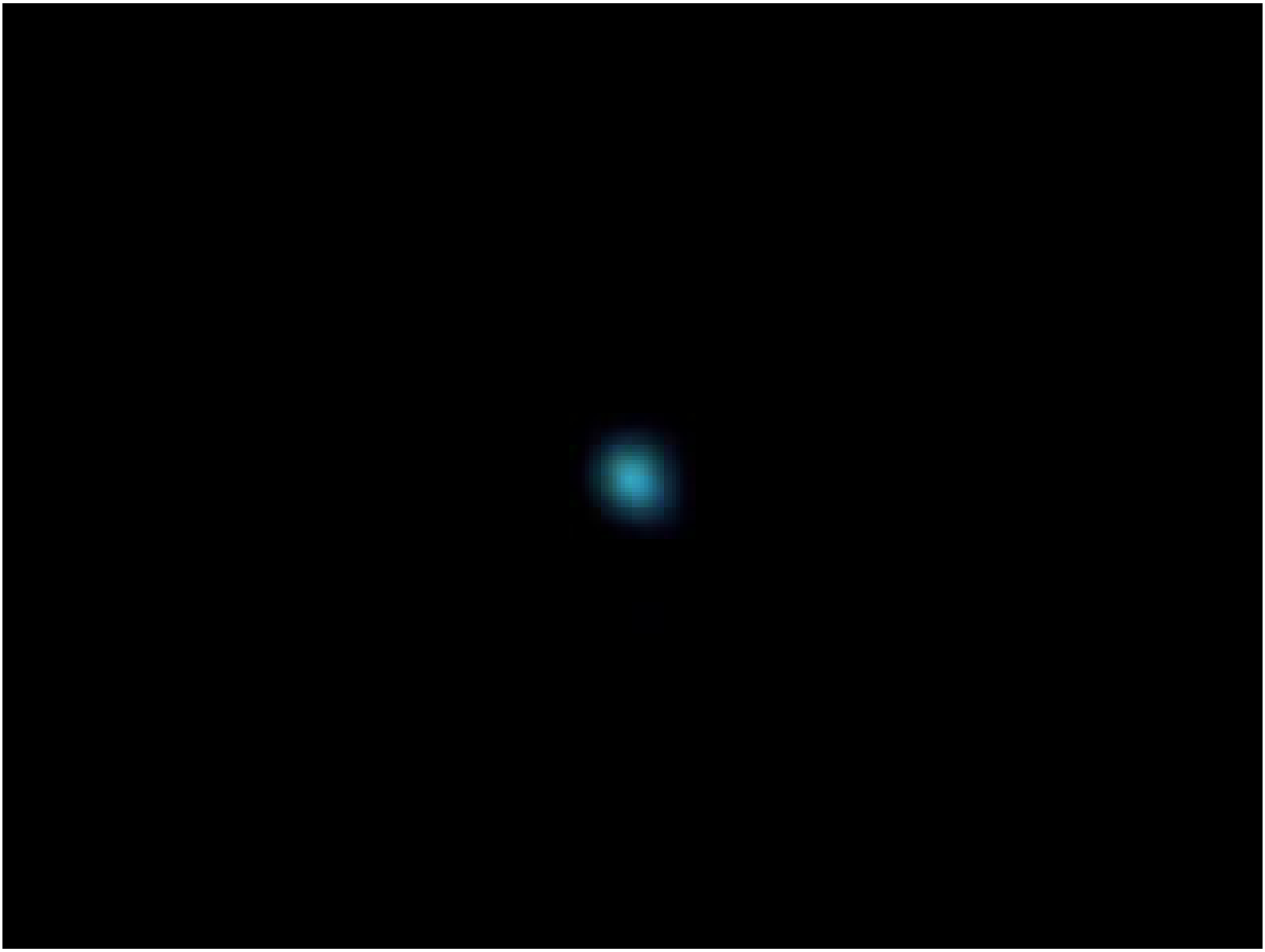


From **JEFF KOPMANIS**. Jupiter.



From **JEFF KOPMANIS**.. Saturn - Celestron 8" SCT with a ZWO ASI183MC camera, processed by AutoStackkert!3 and Registax 6 (wavelets,etc.) Exposure 80.96ms, gain=111, 2052 frames, 35% used

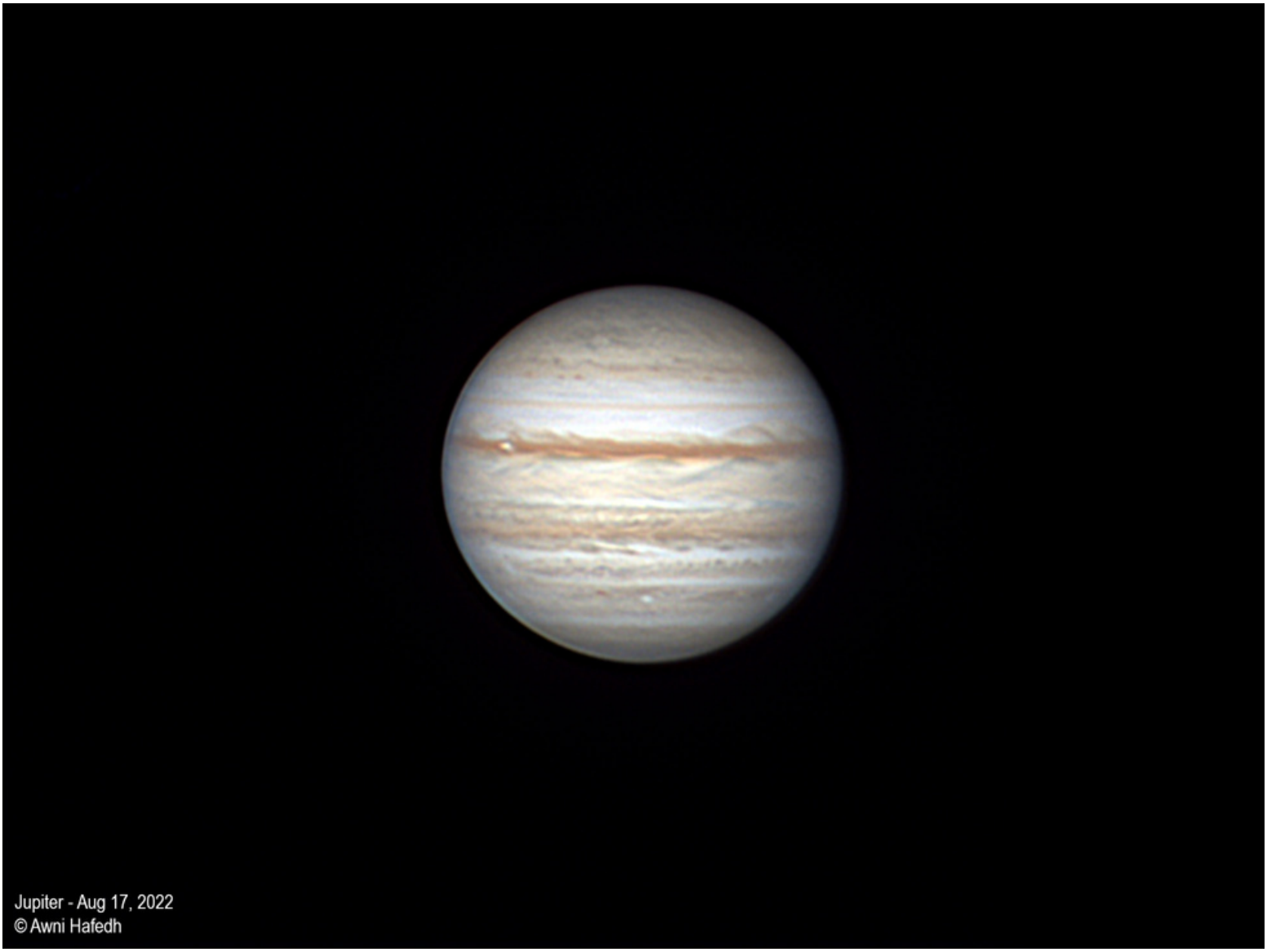
From **JEFF KOPMANIS**. Uranus.



From **JEFF KOPMANIS**. Neptune.

From **KENNETH RUBLE**. Saturn. 11 pm, September 29.

From **KENNETH RUBLE**. Jupiter. 2am September 9.



From **AWNI HAFEDH**. Jupiter.

Equipment used
Celestron CPC 1100
ZWO ASI224MC Camera
Televue 2.5x barlow and ZWO ADC
Celestron Alt-Az mount

From **AWNI HAFEDH.** Saturn.

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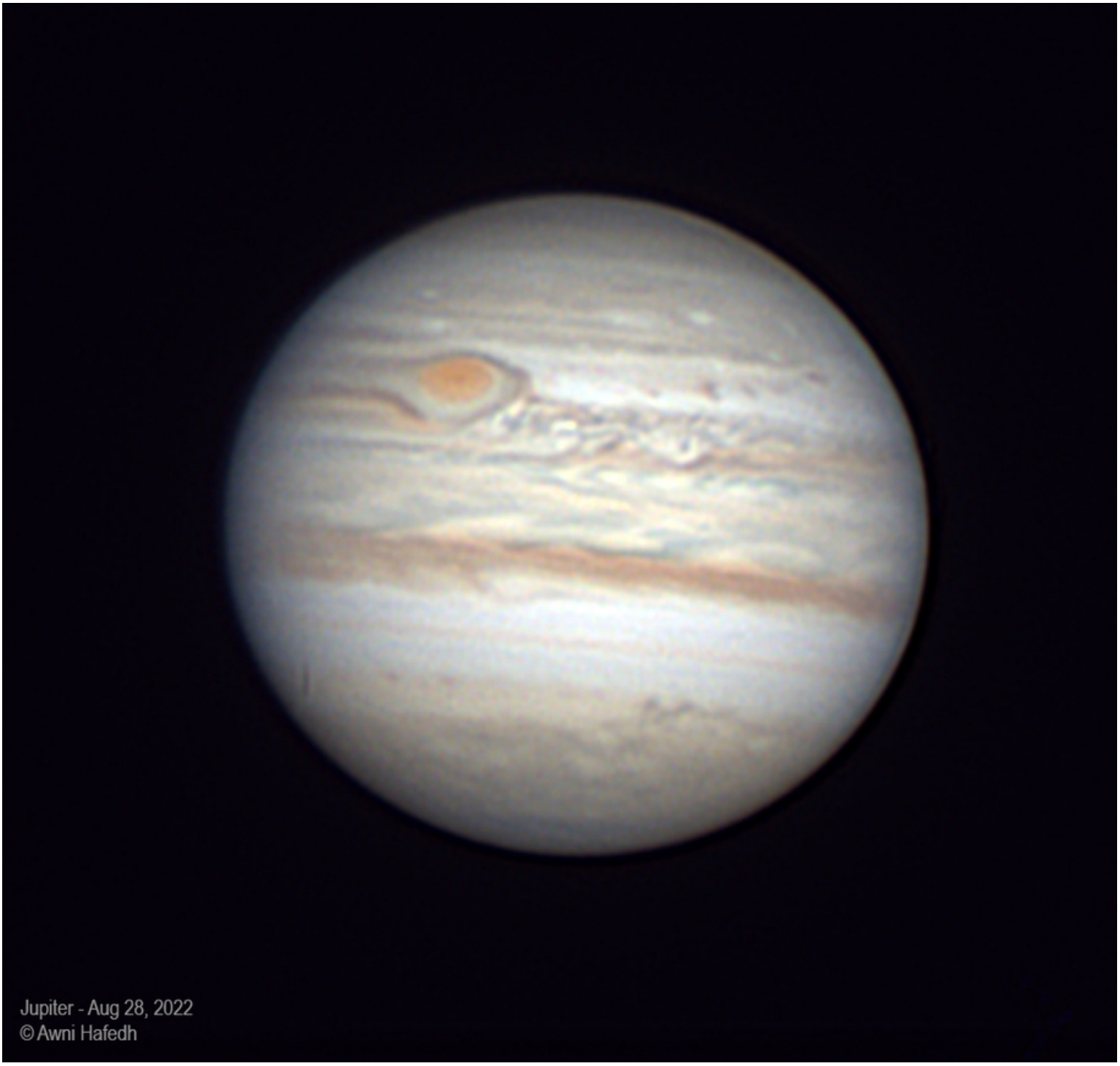

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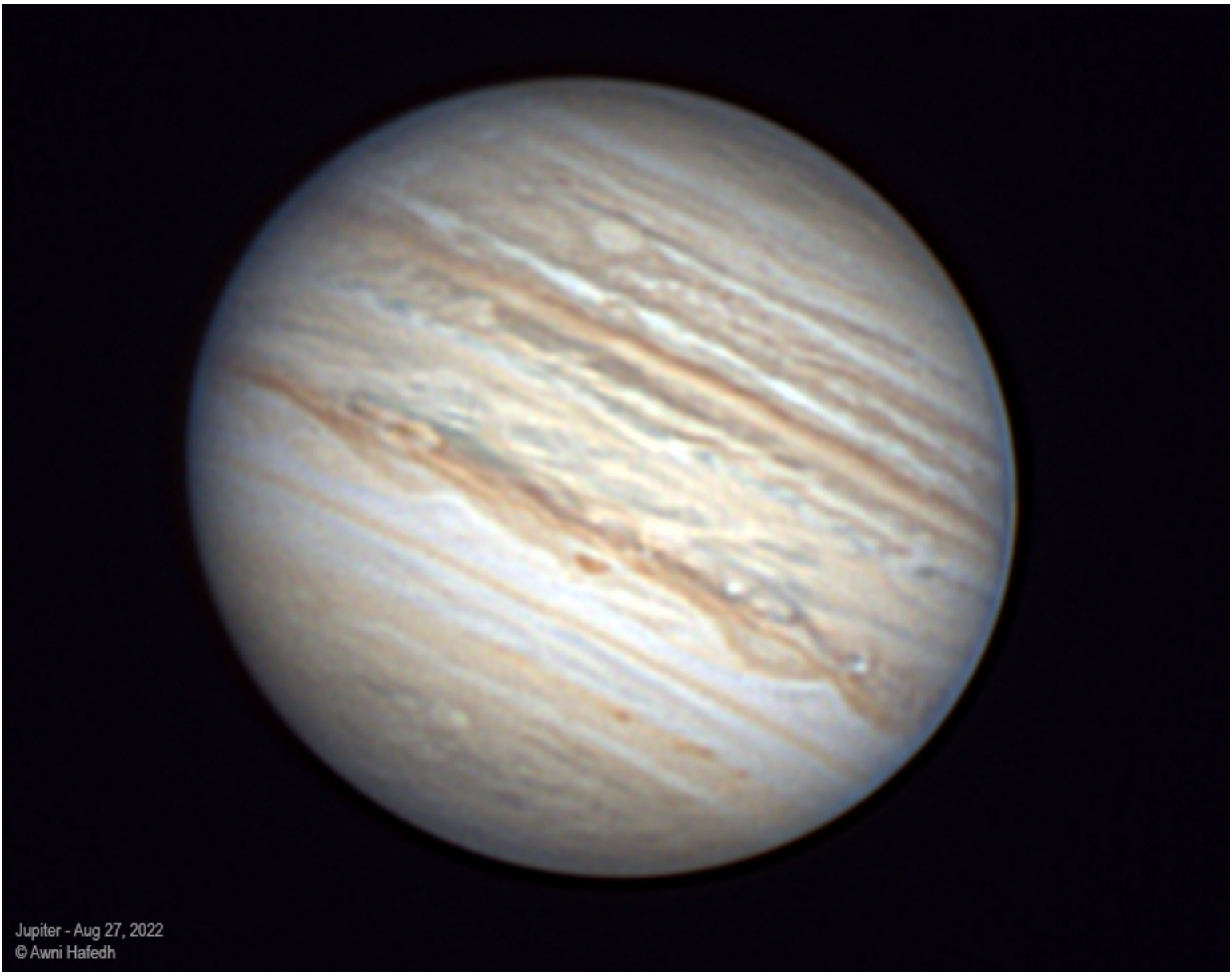

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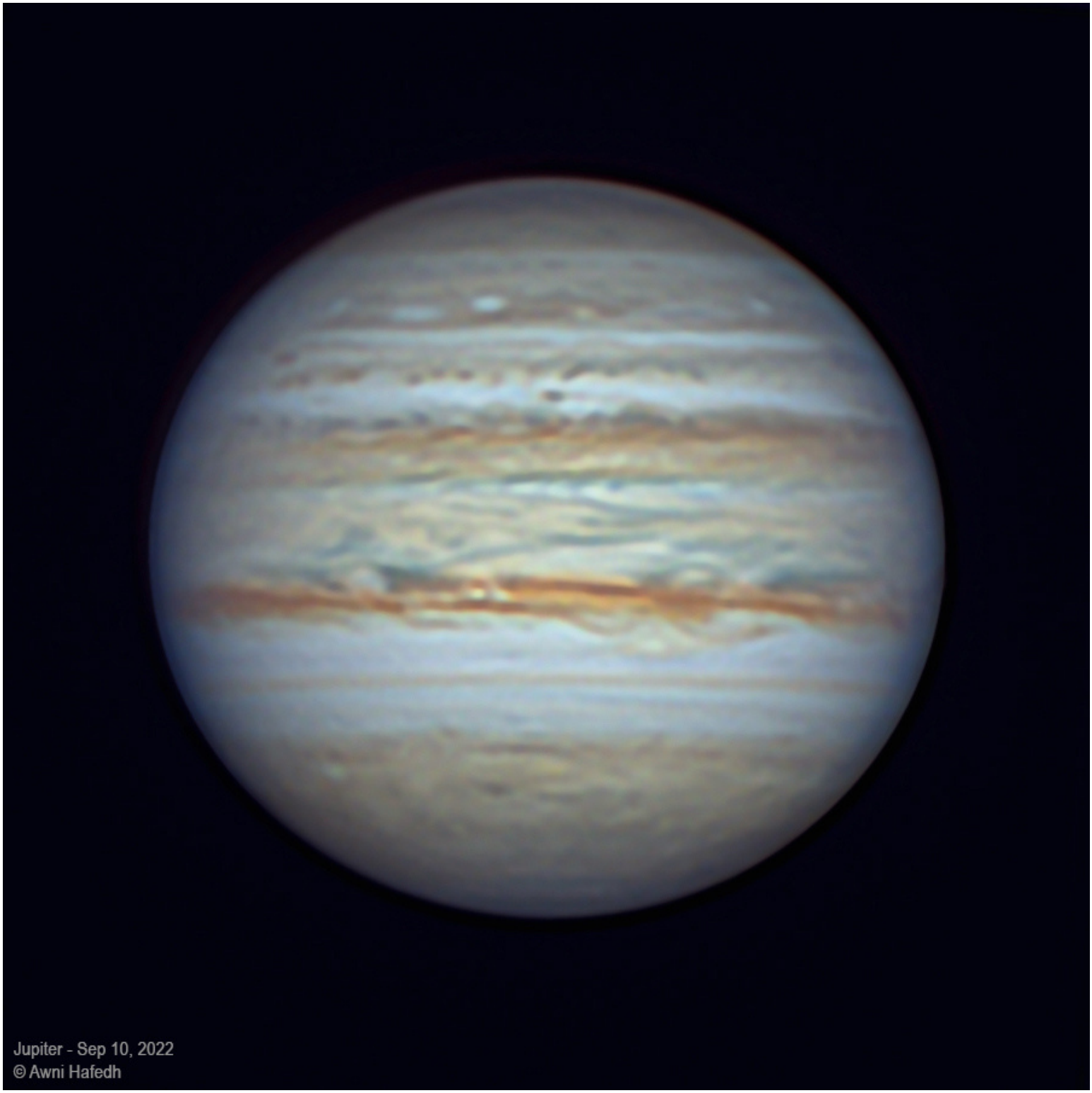

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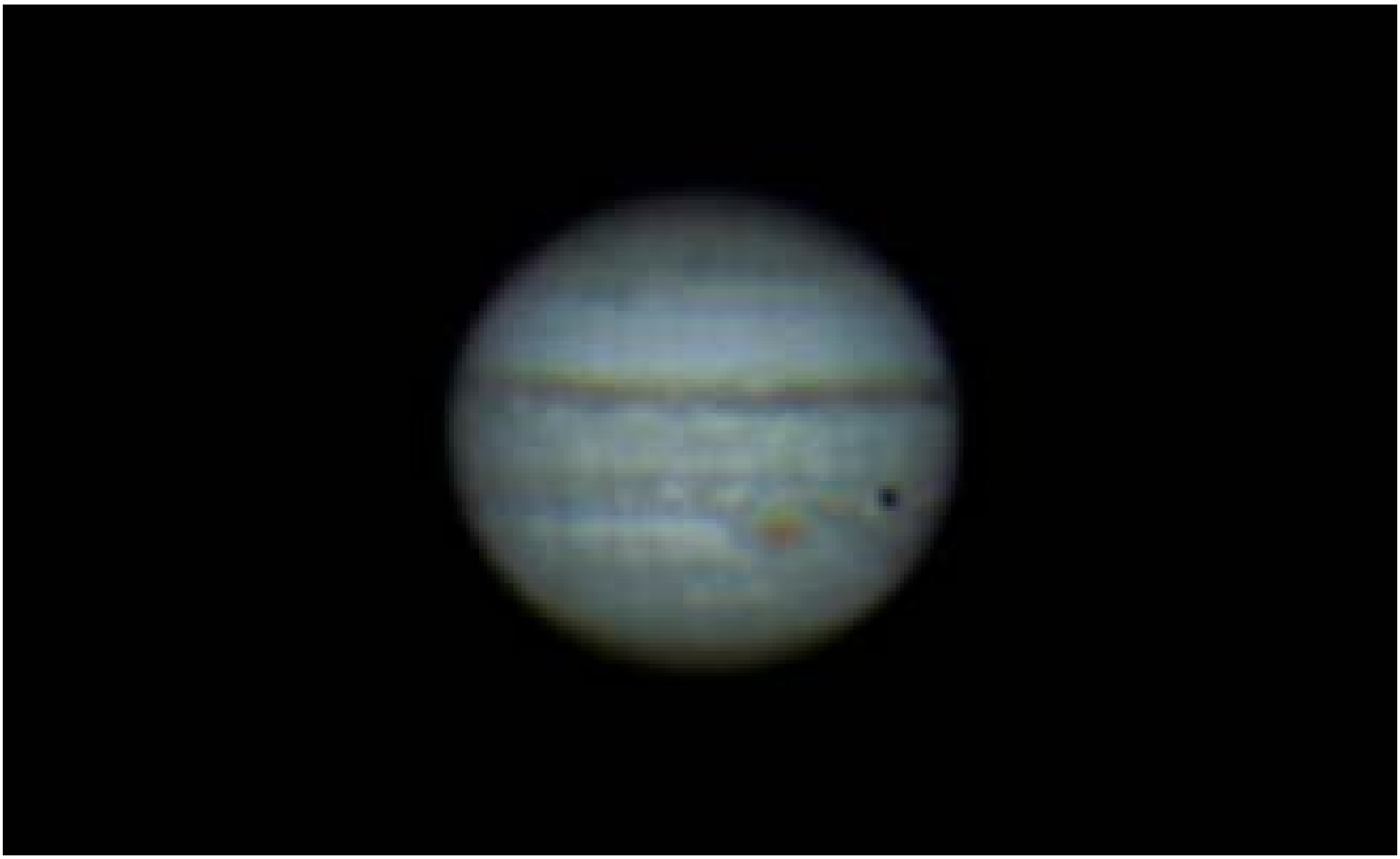
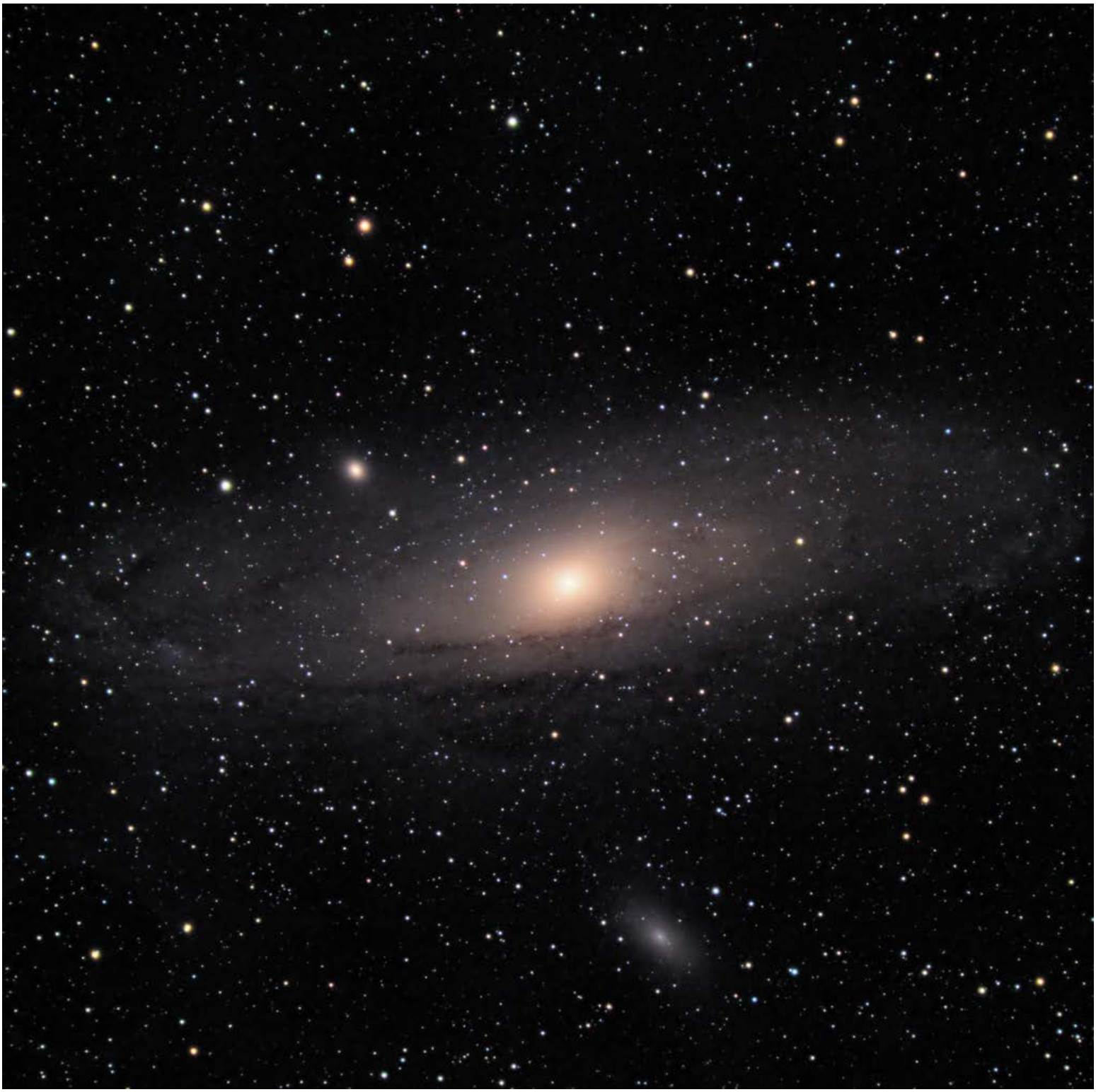


From **BRIAN CLOSE**. Jupiter.

From **BRIAN CLOSE.** Mars.
12' f/6 Dan Joyce mirror
2x barlow
ZWO ASI120MC - S
AUtostak 3 & Registax

From **DON SWETZIG**. Jupiter.

From **AMY CANTU** Venus. :D



From **BARRY CHAPMAN**. M31.

From **AWNI HAFEDH**. Helix Nebula.

"It has been a while since I did any DSO, I have been capturing a lot of data recently but no time to process them, with that said I did add a new tool to my processing steps which is StarXTerminator and I must say as long as the stretched image have stars no bigger than FWHM of 3~4 then it works really amazing.

I captured roughly 18 hours of H-Alpha and Oiii data and used PixInsight, Photoshop, Luminar4 and Topaz DeNoise 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 **GLENN KAATZ**. IC1396.

Technical specs from image on front page of October newsletter:
Celestron Edge HD 8 inch scope
Celestron CGX mount
ASI1600MM camera
ZWO electronic automatic focuser
ZWO 8 position electronic filter wheel
ZWO ASIAir plus
ASI 174MM mini guidescope
Celestron off-axis guider
Celestron 0.7X reducer
Ha (12 nm), OIII and SII (7 nm) filters, with 77, 90, and 72 X 5 min subs, respectively
Processing: Pixinsight, Topaz Denoise, and Photoshop

Low power image above used much of the same with the following exceptions:

Telescope: William Optics Z61 II refractor with a William Optics field flattener
ZWO off axis guider
ASI120MM mini guide scope
Ha (50x5 min), OIII (61x5min), and SII (45x5min) subs

From **DON SWETZIG.** NGC 6781

From **DON SWETZIG.** NGCC7293

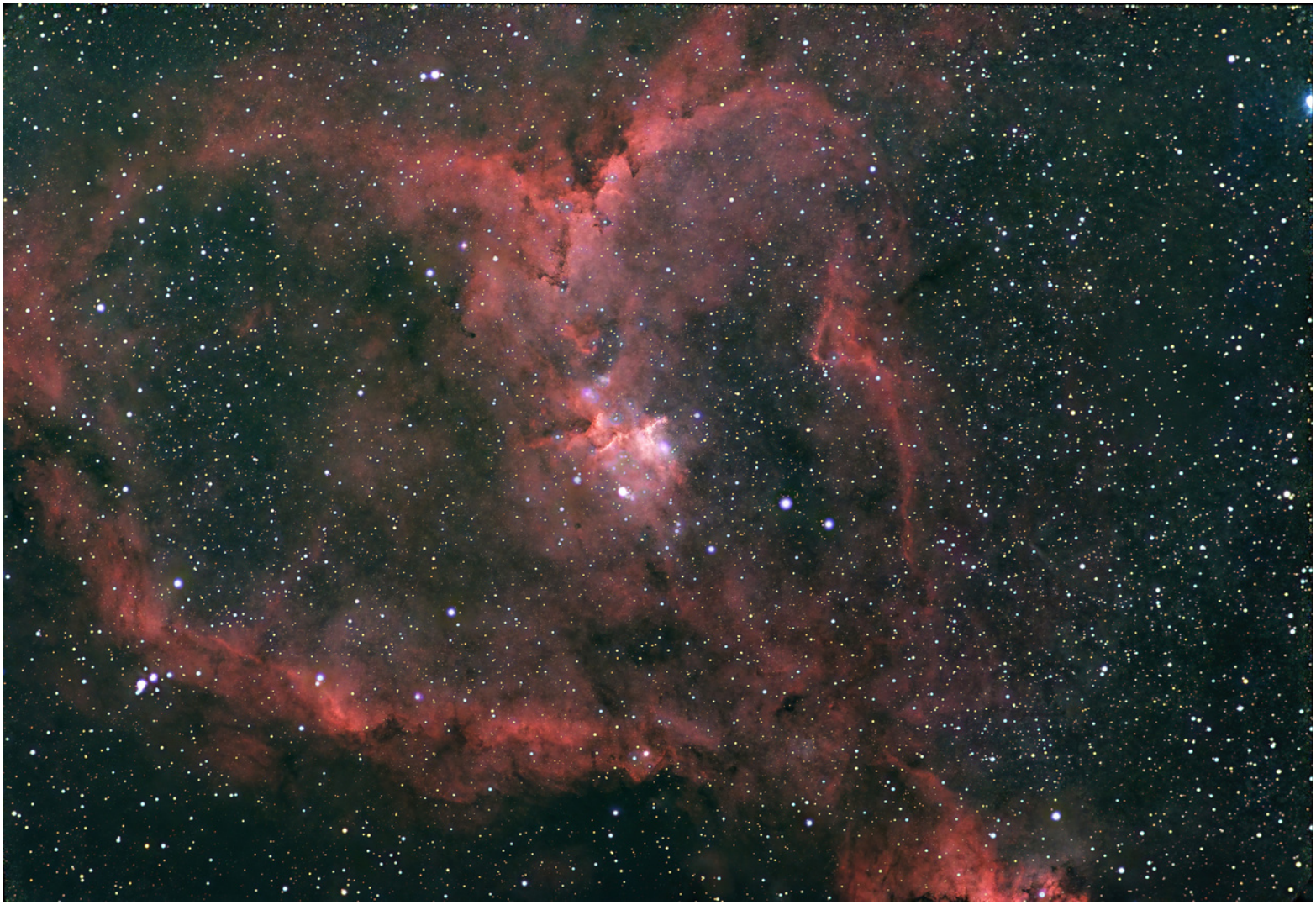
From **DON SWETZIG.** NGC 253

From **HOWARD RITTER**. Double Cluster

"I had all good intentions tonight of getting a couple of hours on the Double Cluster with the refractor and ZWO cooled camera. But between the Dark run and the Light run, I forgot to remove the dust cover! So now I have a nice collection of 300s darks...

By the time these were done, there was only time for two actual Lights before the long Barlow + camera on the end of the long refractor tube would come into contact with the tripod. But I'm not going to let the result of 2 hr of labor go to waste, so here's the Double Cluster, not only under Bortle 7 skies but in the direction of Toledo's light dome.

AP 155EDF w/AP 0.72 QUAD telecompressor/corrector on AP 1600 mount, ASI2600MC, 300s x 2 unguided (thanks, RAPAS!), no filter. Stacked in Nebulosity4. Photoshop and Topaz DeNoise."



From **CLAY KESSLER.** Heart Nebula. "Equipment used was my Televue Genesis (f5 early) mounted on a GM8 mount. Camera was an ASI294 one shot color - no filters."

From **CLAY KESSLER**. Double Cluster. "Equipment used was my Televue Genesis (f5 early) mounted on a GM8 mount. Camera was an ASI294 one shot color - no filters."