

The Objective Lens

University Lowbrow Astronomers Monthly Newsletter Supplement

March 2024



From **BRIAN OTTUM**. Big Bend National Park in Texas. It's dark here. See how the tail has a lot of detail. There will be people creating little videos showing the tail filaments/chunks flowing behind.

Technical Details

12 minute stacked image

SharpCap tracked/stacked on the nucleus (that's why stars trailed)

17sec exposures

6" f/2.8 reflector, ZWO 2600 color camera, AM-5 mount

This is a crop of about 1/4 of the frame

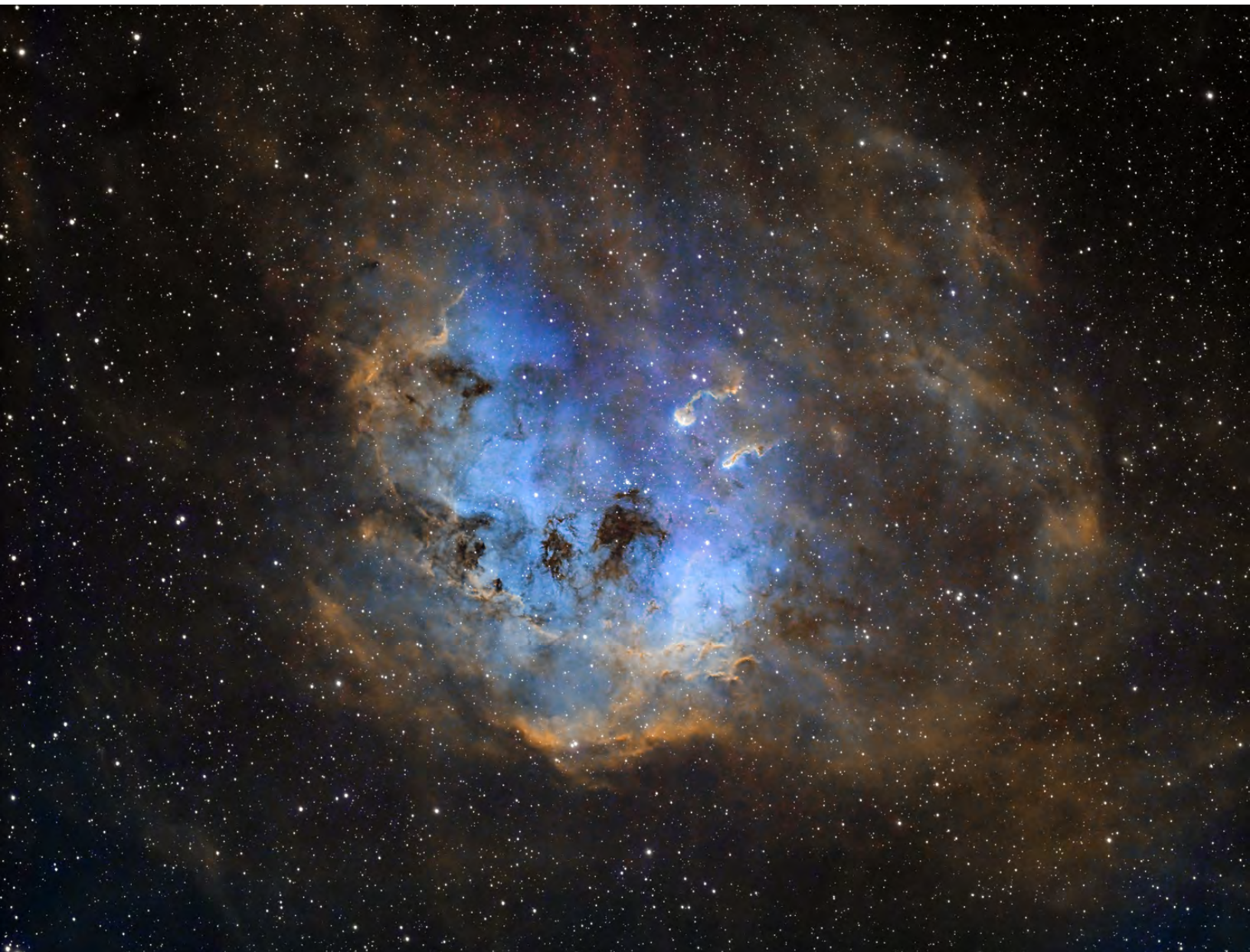


From **GLENN KAATZ**: an image of the full moon I captured on February 24. It was pretty cloudy that night, but I happened to step outside and see what is shown here. I did a 7 shot bracket in an effort to keep the moon from blowing out in at least one of the images.

Camera: Nikon D850 on a tripod



From **ADRIAN BRADLEY**: Moon over Lake Huron.



From **GLENN KAATZ**: After weeks of clouds we finally had a couple nights of clear skies this past weekend. I took advantage and captured 6+ hours of HSO data on IC410, which I had not imaged previously.

I used my Explore Scientific 102mm refractor, which was exactly the right size for this target. Imaging details:

Explore Scientific ED102 refractor

CGX mount

Orion 60mm guide scope with an ASI290 mini camera

ASI Air Plus

ASI1600 MM Pro Imaging camera

ZWO 8 position electronic Filter wheel

Hotech field flattener

Astrodon 5nm Ha, ZWO and SII 7nm 1.25 inch filters

Images: 26 Ha, 25 OIII, 26 SII at 300s each for a total integration time of 6h 25 min

Processing: Pixinsight, RC Astro Noise, Star, and Blur XTerminator, Photoshop



From **GARY NICHOLS**: M41.



IC405 - Feb 2, 2024
© Awni Hafedh

From **AWNI HAFEDH** IC405. I captured 50x5min subs for each of the two (Ha and Oiii) filters which makes it close to 8.3 hours of integration time.

Equipment used

Celestron 9.25" with 0.7x reducer

ZWO ASI2600MM Camera

ZWO filter (Ha, Oiii, Sii)

iOptron CEM60 mount



IC410 - Feb 4, 2024
© Awni Hafedh

From **AWNI HAFEDH** IC410. for IC410 I captured 50x5min subs for each of the three (Ha, Oiii and Sii) filters which makes it close to 12.5 hours of integration time. Closeup next page.

Equipment used

Celestron 9.25" with 0.7x reducer

ZWO ASI2600MM Camera

ZWO filter (Ha, Oiii, Sii)

iOptron CEM60 mount



From **AWNI HAFEDH** IC410. Closeup.



From **MATTHEW WEST**: The Moon.



From **AJAY CHOUDHARY**. M42.



From **AJAY CHOUDHARY**. Horsehead Nebula.

February 25, 2024



From **DOUG BOCK**. Sunspots-annotated. Around 11:00am [Feb 25] before the clouds rolled in I got a couple of videos in. Using the 6" f/10 SCT and the ZWO asi071mc pro camera.



From **TOM RYAN**. Sunspots!



From **DON FOHEY**. Sunspots. I took this with my ETX-90 and a sun filter. Canon Rebel SL3. Some thin clouds moving by.



From **DAVID COOKE**. Sunspots. My Seestar got much better images today than yesterday; here are my three favorites. The close-up was mildly edited using Apple photos. The other two are unprocessed.





From **AMY CANTU**. Orion's belt region. Taken with Canon 6D Mrk II and 135mm lens. 400 ISO, f/3.2. Bortle 7.



From **AMY CANTU**. Orion. Canon 6D Mk II, 24mm 1600 ISO, f/3.2 15 seconds.



GINIA FORRESTER with Solar Sisters table, above



ADRIAN BRADLEY'S setup, above

More photos of Lowbrows at Glencairn Elementary School's Science Night



<< DAVE SNYDER looks through Don Fohey's VR Headset

