

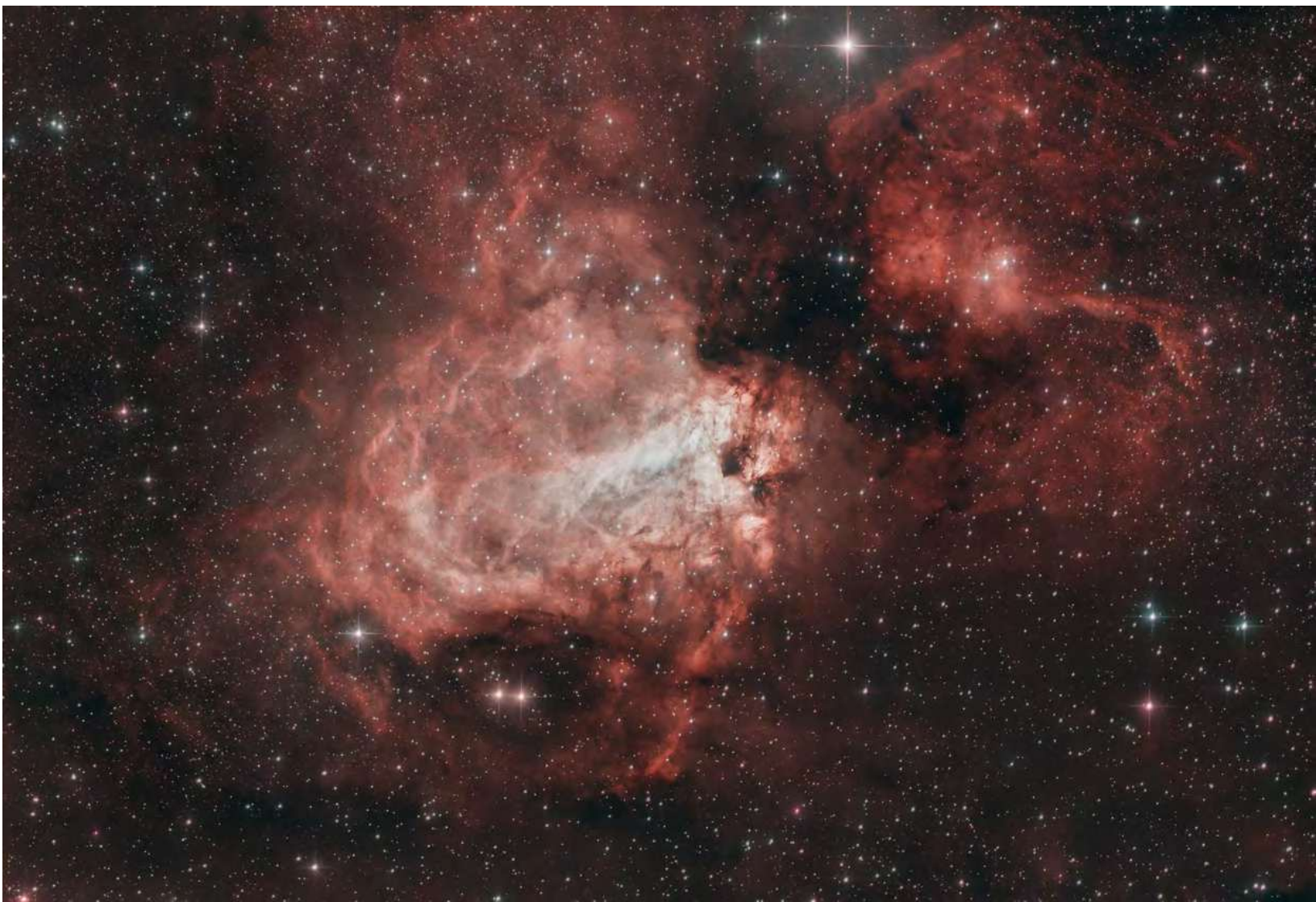
The Objective Lens

University Lowbrow Astronomers Monthly Newsletter Supplement

August 2023



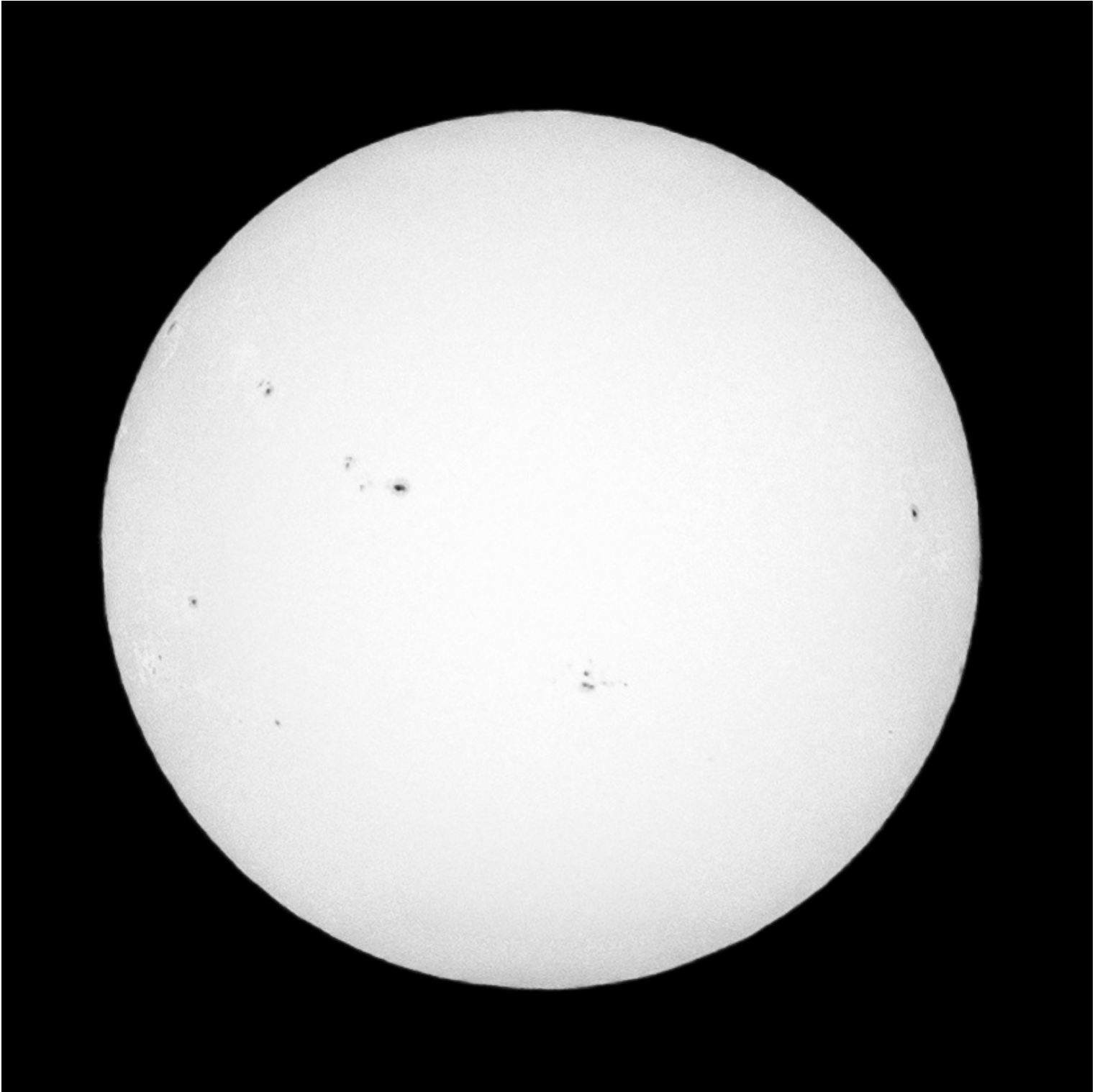
From **ADRIAN BRADLEY**. Galactic Center, with Little Sable Point Lighthouse.



From **DONOVAN DREW**. The Omega Nebula. Had a couple clear nights over the weekend so I took a shot at the Omega Nebula. This image is comprised of 150, 120s subframes. Imaged with an ZWO asi294mc-pro looking through an 8" F5 Newtonian on a Celestron AVX mount.



From **DMITRI TSAHELNIK**. Taken during Lowbrow Club meeting at EMU through the 10 inch f16 mounted on the building.



From **DOUG SCOBEL**. Sunspots. Taken with my DSLR, 400mm lens fitted with Baader Solar Safety film. 1/400 sec f/11,ISO 200. Minor massaging in PhotoShop Elements 2020.



From **ADRIAN BRADLEY**. Port Sanilac Roadside Park.

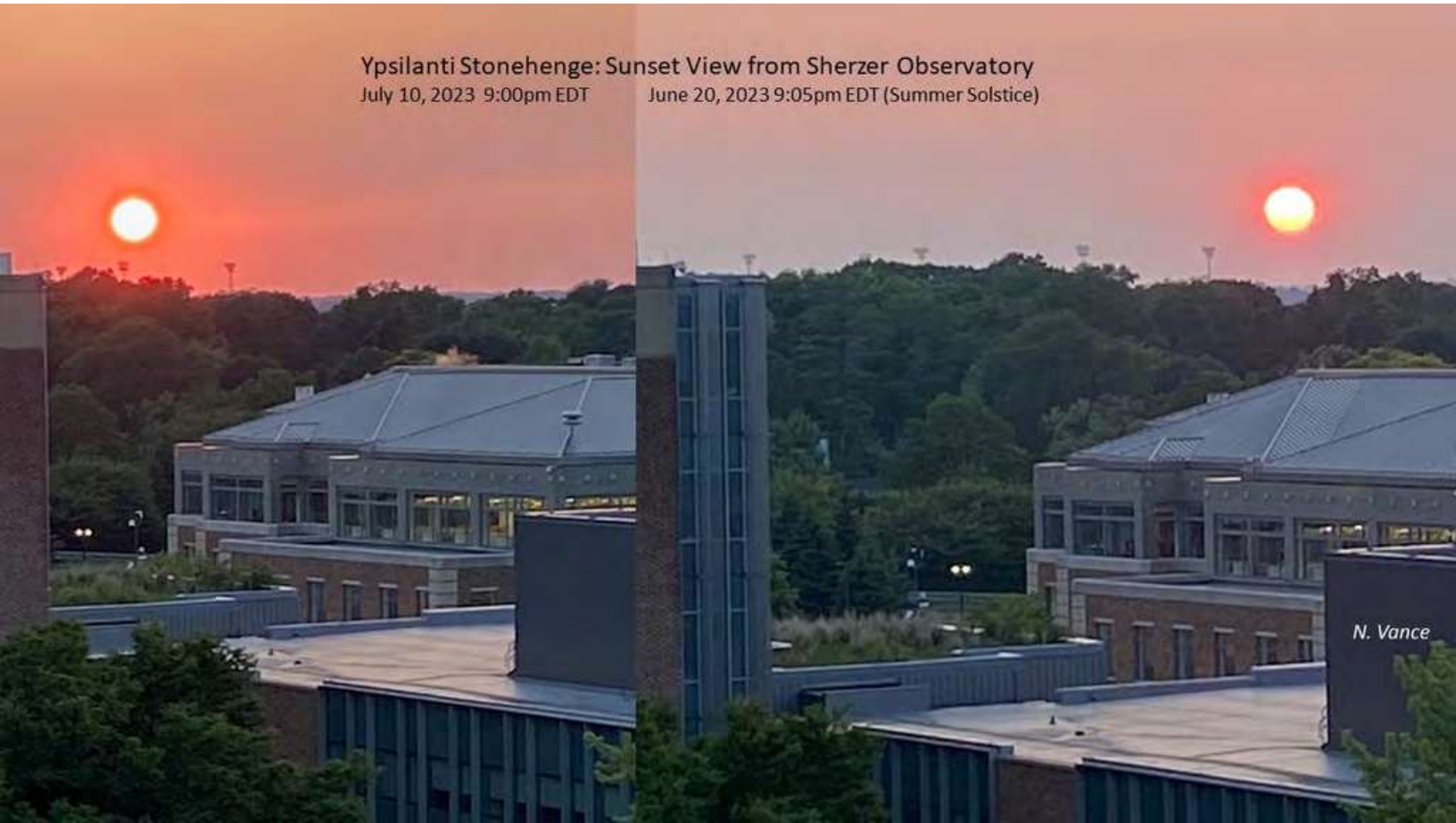


From **AJAY CHOUDHARY**. Milkyway Panorama at the Little Sable Point.
Canon EOS R + Sigma 14mm f1.8. 5-column panorama - each panel had 4
exposures of 30 seconds. EXIF: F1.8 / 30 sec. / ISO 400.



From **BRIAN OTTUM**. Lagoon Nebula. Taken from my light-polluted Saline backyard. Like most of this summer, transparency was poor. I set up my 6" f/2.8 reflector, ZWO 2600 OSC camera and SharpCap to automatically stack 7-second images starting at midnight. Soon I went inside for salted snacks. When I stepped back outside, thick clouds were moving overhead! Dang!! So I ran out to the scope and discovered that clouds had just started to hit the Lagoon. I stopped the Live Stacking after 50 total minutes. Another couple minutes would have totally washed out the image. But my final result is not half bad. You can see the full extent of this hydrogen cloud.

Ypsilanti Stonehenge: Sunset View from Sherzer Observatory
July 10, 2023 9:00pm EDT June 20, 2023 9:05pm EDT (Summer Solstice)



From **NORBERT VANCE**. Our astro club was on the observation deck Monday evening and watched a pretty sunset, same for the solstice a few weeks ago. Note the stadium light towers and divot in the tree line. Though I was positioned a little further to my left in the July photo, only 15 feet or so, the sunset point is definitely heading south sorry to say. It'll start picking up some speed doing so in the weeks ahead. Meanwhile, better catch Venus at its brightest in the days ahead after sunset. Tis looking pretty as a thin crescent. A hair thin 3 day old moon will join up with Mars and above Venus on the 20th, night before the Lowbrow meeting at the EMU Planetarium.



From **ADRIAN BRADLEY**. Sagittarius in the center.



From **ADRIAN BRADLEY**. Canon 6D, Canon 16-35mm f/2.8 IS III. Shot at 24mm, f/2.8, ISO 800, 2 minutes.



From **ADRIAN BRADLEY**. Milky Way panorama.



From **BRIAN WAIT**. Milky Way over Casco Bay, Bailey Island, Maine. Here is a Milky Way image composition I managed to capture the last night we were in Maine on vacation last week when the skies were finally clear enough - the previous nights were either rainy, foggy, or hazy. This is looking southeast out over Northern Casco Bay and the other islands, ocean, and down towards Portland. I intended to capture an hour of the Milky Way, but stopped after 48 minutes - when the rising moon started imparting some orange glow into the lower left of the subframes. I then took some shots of the islands out in the bay with the same lens / exposure time / ISO / etc (same Focal Length / Magnification / Scale), but with the mount turned off to avoid blurring the land-sea scape foreground. The MW and foreground shots were then processed, feather cropped, and overlaid in GIMP.



From **MARCUS CLARKE**. NCC 4631, the Whale Galaxy.
William Opics Z81, ISO 1600, SS 600 s,100 subs asi air
plus, guiding, EAF



From **AMY CANTU**. Milky Way core. Left, 24mm, single exposure. Below, 35mm, stacked. Both at $f/3.2$. Taken in northern Michigan.

