

Howard Astronomical League

August 18, 2022



Astro Humor



JWST SPAM

WE'VE BEEN TRYING TO REACH YOU ABOUT YOUR CAR'S EXTENDED WARRANTY



jwebb_ir_image_transmission001

Dec 26 2021 05:34:01

Welcome New Members and Guests



Welcoming new Stars to HAL

HAL Officers/Positions 2022

President	Phil Whitebloom	president@howardastro.org
1st Vice President	Victor Sanchez	1stvp@howardastro.org
2nd Vice President	Jim Tomney	2ndvp@howardastro.org
Treasurer	Joel Goodman	hal_treasurer@howardastro.org
Secretary	Yvonne Chiarelli	secretary@howardastro.org
Event Coordinator	Richard Ren	events@howardastro.org
Publicity Chair +	TBD	publicity@howardastro.org
Social Media +	Hannah Broder	socialmedia@howardastro.org
Observatory Director *	Victor Sanchez	observatory@howardastro.org
Librarian +	Bob Dutilly	librarian@howardastro.org
ALCor +	Steve Jaworiwsky	halcor@howardastro.org
Webmaster *	Ken Sall	Use "Contact Us" Page

* Appointed as voting officers of the board of directors by President with board approval

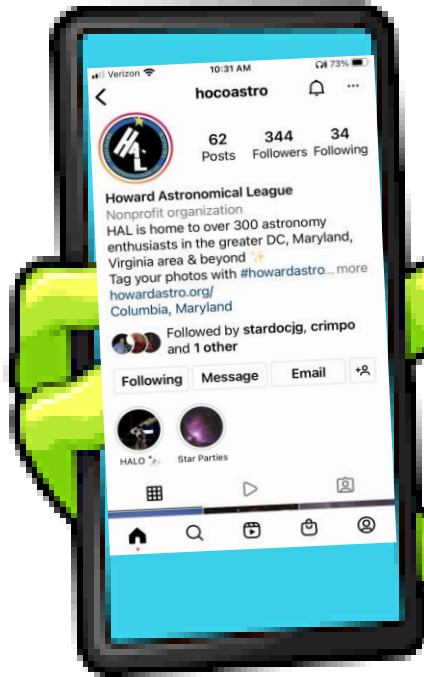
+ Appointed non-voting member of the board except when position filled by an elected officer

HAL Public and Members Only Star Parties



August	27	Members
September	3	Public
September	24	Members
October	1	Public
October	22	Members
November	5	Public
November	19	Members

Disclaimer: Any resemblance to a current or past member of HAL is strictly coincidental.



Instagram

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HAL Instagram Submission Form

Make sure to fill out the necessary fields for your image(s) to be featured on the Howard Astronomical League Instagram account! Contact Hannah Broder at hannaharb36@gmail.com with any questions.

Your_account.com

[Switch account](#)



The name and photo associated with your Google account will be recorded when you upload files and submit this form. Only the email you enter is part of your response.

* Required

Email *

Your email

Name *

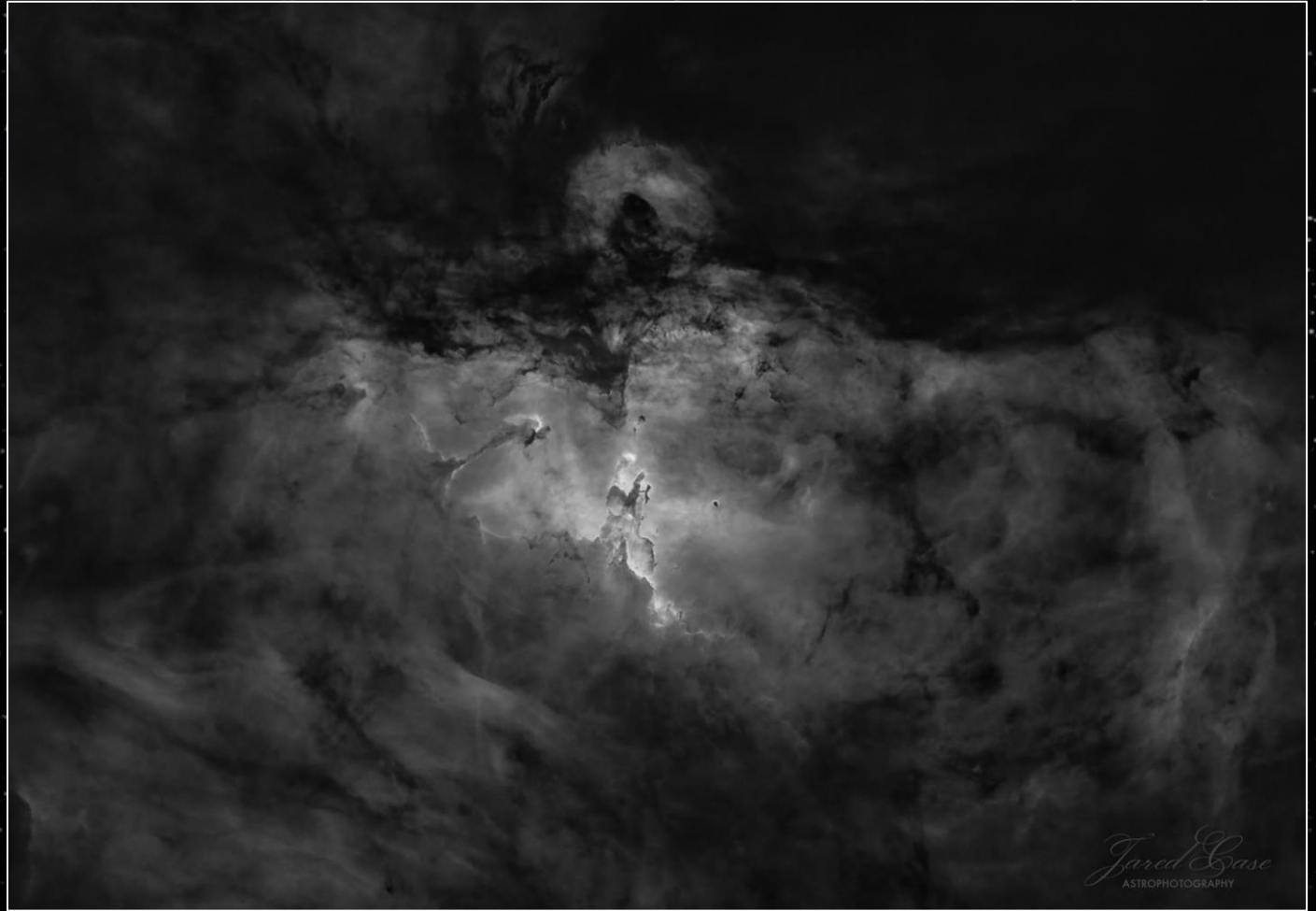
Your answer

Upload your image below *

[Add file](#)



Discord Group Image of the Month July 2022



M16 Eagle Nebula

- imaged by: Jared Case
- image capture/processing details: shot with 130mm refractor and a 2600MM monochrome with an Ha filter. The image was processed in Pixinsight and Photoshop.
- location: Ellicott City, MD
- date: July 2022

Tonight's Guest Presenter

Jim Tomney



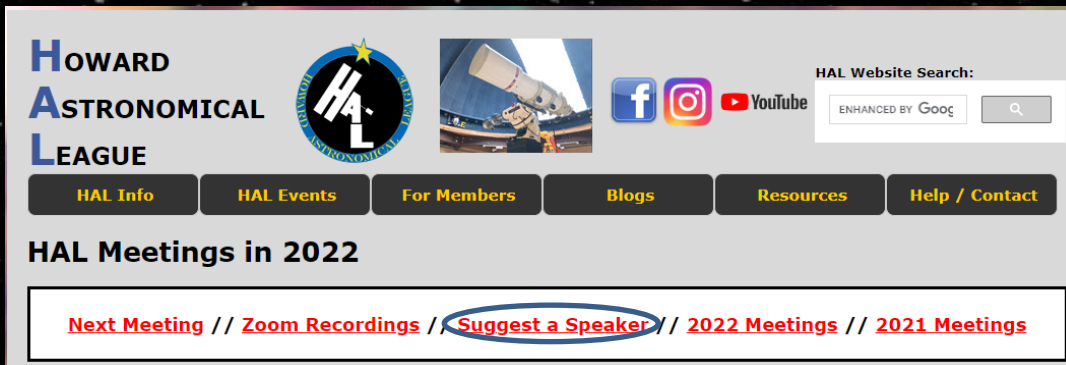
Topic: Jupiter – Big Fun for the Amateur
Astronomer







Do you know a future HAL Presenter?

Let us know:
<https://bit.ly/HALspeaker>

You can also find the link on
the HAL website under HAL Events
In the Our Meetings section



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HAL Meetings in 2022

[Next Meeting](#) // [Zoom Recordings](#) // [Suggest a Speaker](#) // [2022 Meetings](#) // [2021 Meetings](#)

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HAL Speaker Suggestion Form

For HAL members or public to recommend an astronomy-related speaker for a future General Meeting (third Thursday every month).

NOTE: Only a few fields below are required, as denoted by a red asterisk.

[Sign in to Google](#) to save your progress. [Learn more](#)

* Required

Your Name *

Your answer

Your Email *

Your answer

Suggested Speaker's Name *

Your answer

The Sloane Astrolabe - 1300



The British Museum

Orrery - 1750

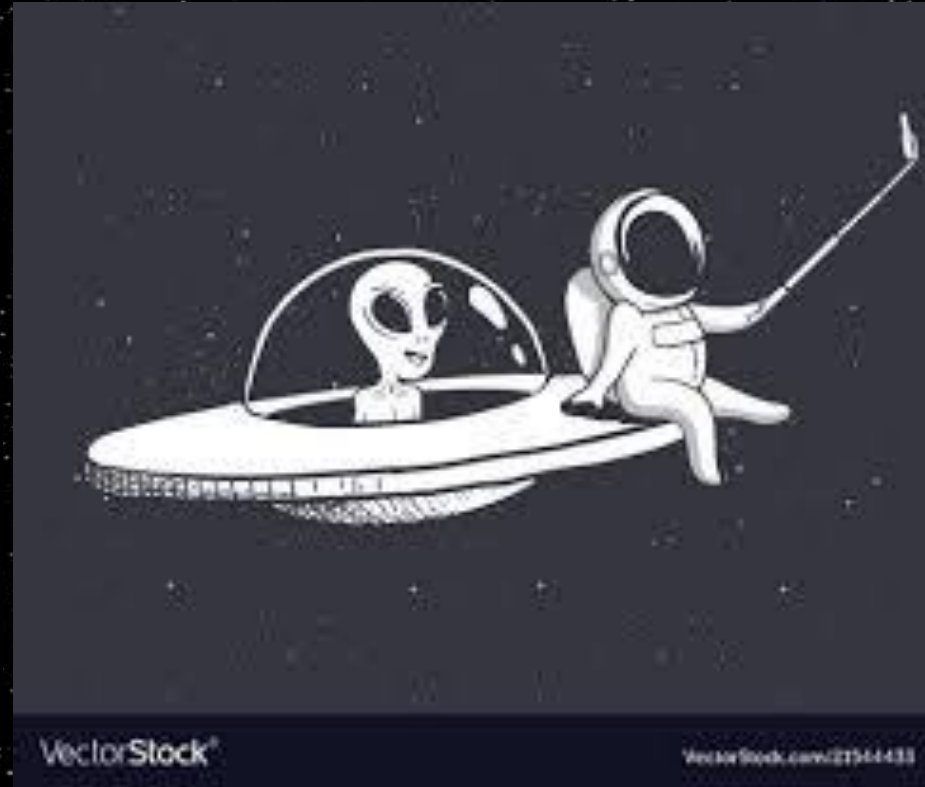


Two Telescope Tubes – 2nd half of the 17th Century





HAL Astro-Images, Sketches, and More



Saturn and Titan. 11
inch SCT at
TerraSky. 22-07-20
01-35-15. Best 400 of
1000 frames, ASI,
Registax 6.
Ian Slepian



Neximage 5 camera

Jupiter 11 inch SCT 22-07-23
03-12-1. TerraSky
best 400 of 1000 frames, ASI,
Rstax
Ian Slepian

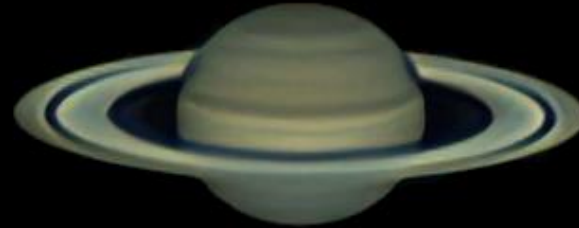


Neximage 5 camera

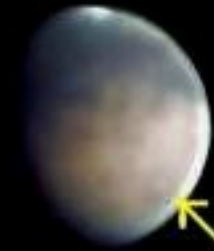
Summertime Planet Parade



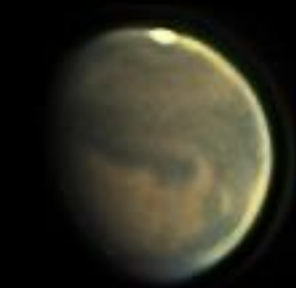
Jupiter & Ganymede
08/09/2022



Saturn 3 days post opposition
08/17/2022



Mars with Olympus Mons
07/29/2022



Mars with S. Meridiani
08/09/2022

Video captures using ZWO color camera and 10" Newtonian & 2.5x Televue Barlow.

Processed using PIPP, Autostakkert3!, Registax6, and PS



Elevation: 53 Degrees
CM1: 147.9 CM2: 132.2 CM3: 49.9
Elkridge, MD USA/Meade 12" LX200/ASI174MM

August 9th 2022 @0824.9UT
@JamesWillingham



Elevation: 35 Degrees
CM1: 63.0 CM2: 73.4 CM3: 131.6
Elkridge, MD USA/Meade 12" LX200/ASI174MM

August 8th 2022 @0615.1UT
@JamesWillingham

Cave Nebula (Sh 2-155, Caldwell 9)

Diffuse Emission/Reflection/Dark Nebula Complex

Constellation: Cepheus

Magnitude: 10.0
Distance: 2,400 light years
Apparent Size: 50 x 30 arcminutes
Real Size: 35 light years across
Age: 3 to 5 million years old

Telescope: 110mm refractor
Eyepieces: 55mm Plossl/Corrector Lens (11.5x)
12mm Delos (64x)
Night Vision: TNVC-TeleVue System
Filter: 6nm Hydrogen-Alpha

Date: 03-August-2022
Time: 22:00 to 23:40 EDT
Location: Alpha Ridge Park
Drawing by: Richard Orr



The False Comet

Open Clusters Trumpler 24, Collinder 316 & NGC 6231

Baby Scorpion (NGC 6231 = Collinder 315 = Caldwell 76)

Magnitude: 2.6
Distance: 5,600 light years
Size: 14 arcminutes

Trumpler 24

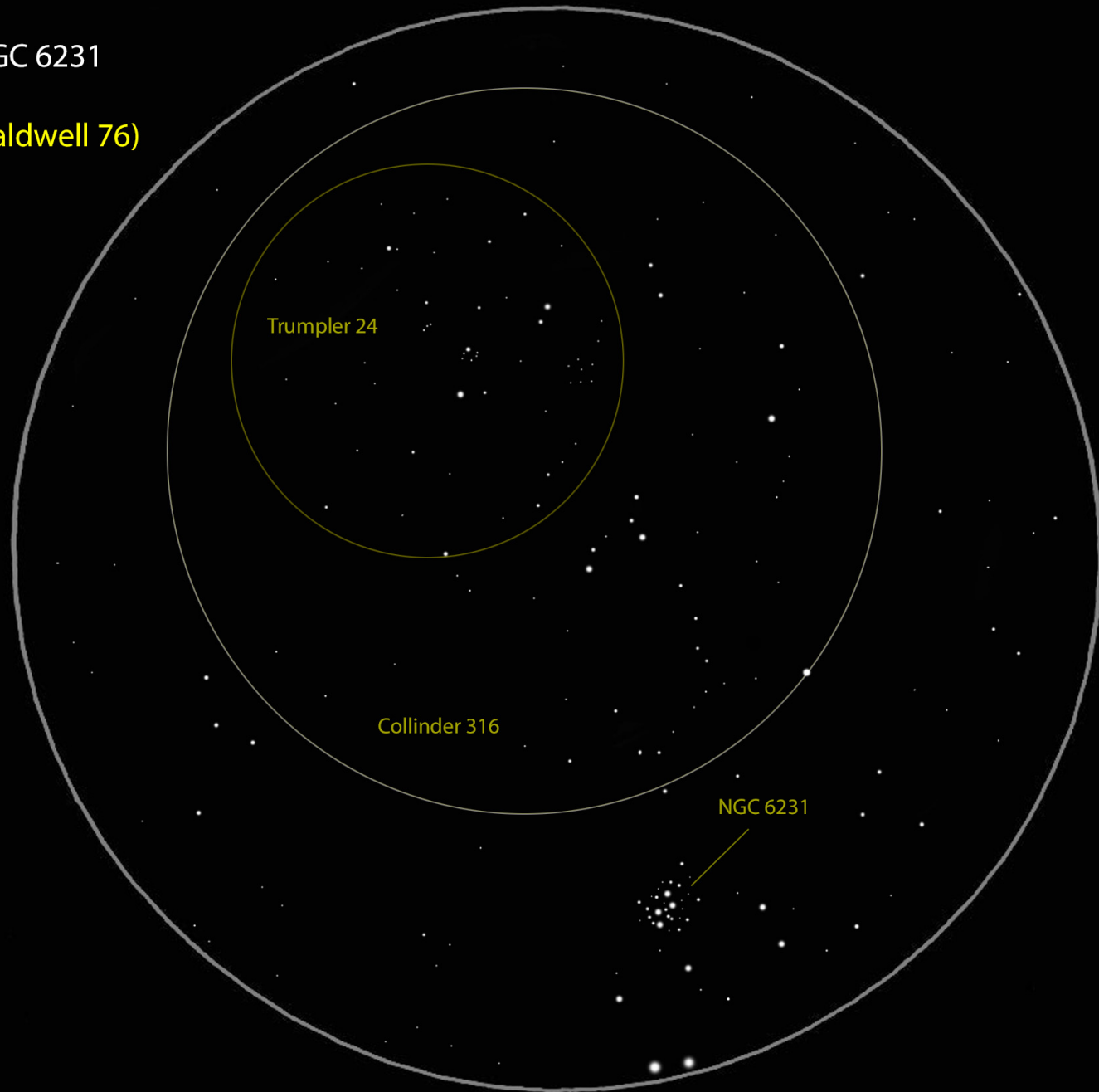
Magnitude: 4.0
Distance: 6,125 light years
Size: 60 arcminutes

Collinder 316

Magnitude: 3.4
Distance: 6,125 light years
Size: 105 arcminutes

Binoculars: 20 x 100
Eyepieces: 27mm (20x)
Field of View: 3.0 degrees
Orientation: Correct Image

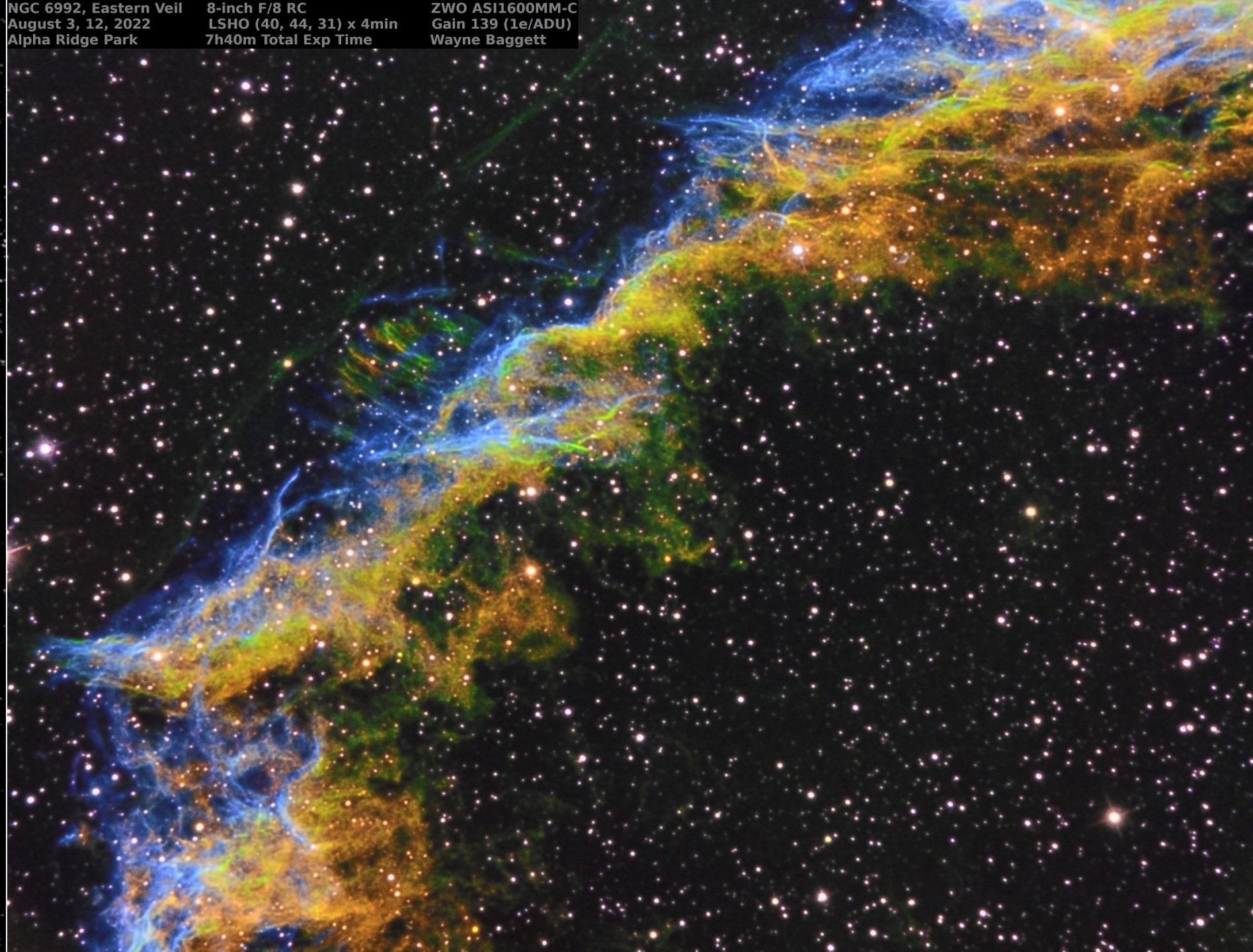
Date: 12-August-2022
Time: 21:15 to 22:10 EDT
Location: Alpha Ridge Park
Drawing by: Richard Orr



LDN 1228 - Dark Nebula
10 Hours integration 120 s subs
Bortle 2 / SQ 21.95
by Thorne Ransom



NGC 6992, Eastern Veil 8-inch F/8 RC ZWO ASI1600MM-C
August 3, 12, 2022 LSHO (40, 44, 31) x 4min Gain 139 (1e/ADU)
Alpha Ridge Park 7h40m Total Exp Time Wayne Baggett



NGC7000 "The Wall"

Imaged 12 August 22 at Alpha Ridge.

ZWO ASI294MC PRO, ASI AIR PLUS, AM5 mount, ASI120 Mini with a SVBONY SV503

(102/713mm) scope.

26 - 300s subs (2 hours and 10 minutes), processed in PixInsight with Darks, Flats and Dark Flats.

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Kurt Bauch



Here are two images from the Perseid meteor shower Friday night into Saturday morning. I set the camera up on the deck and took a 5 second exposure every 10 seconds. Used a 14mm fisheye lens, f/2.8 and ISO 800.

By Jim Lane

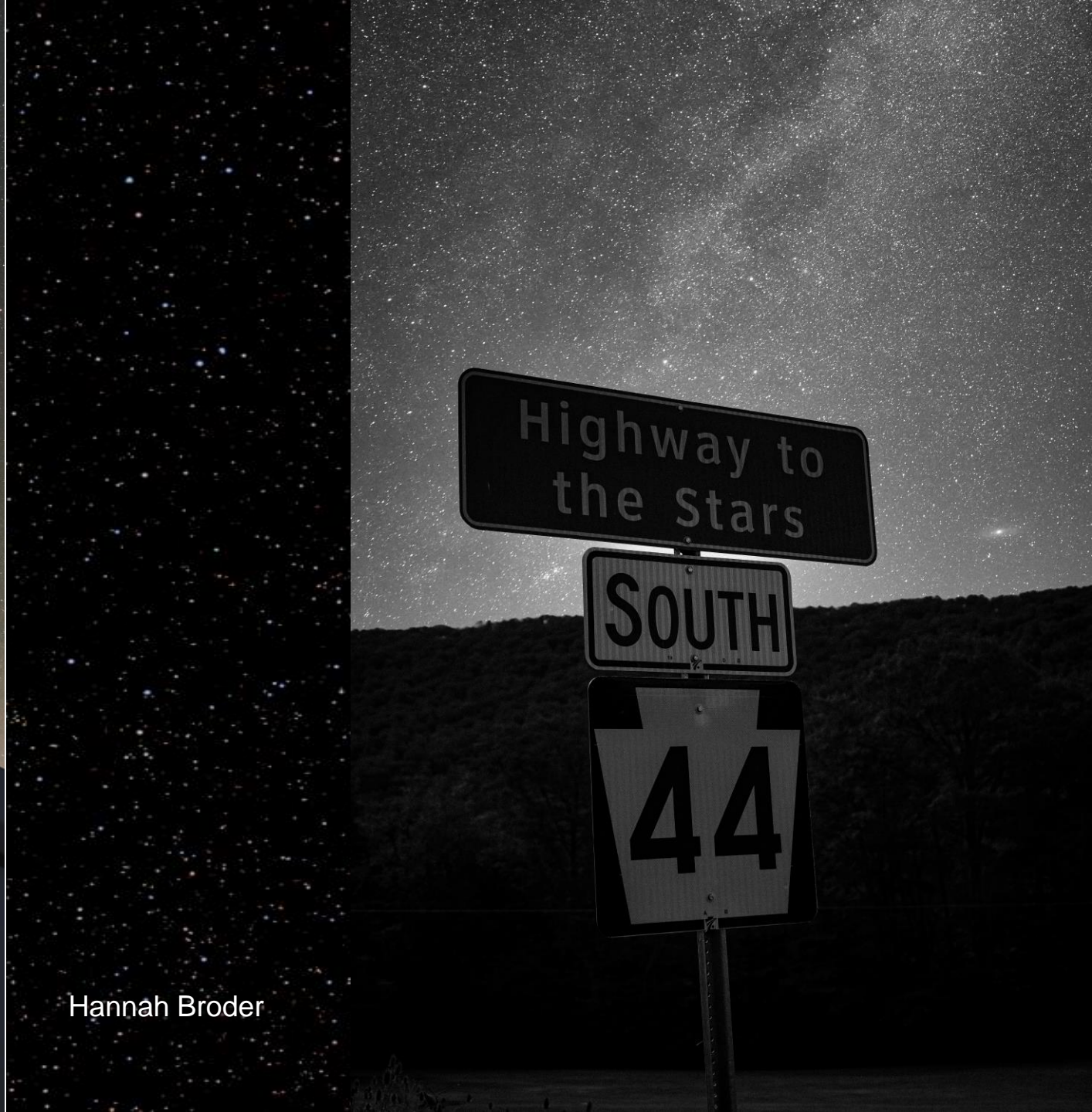




Daniel Lohin



Daniel Lohin

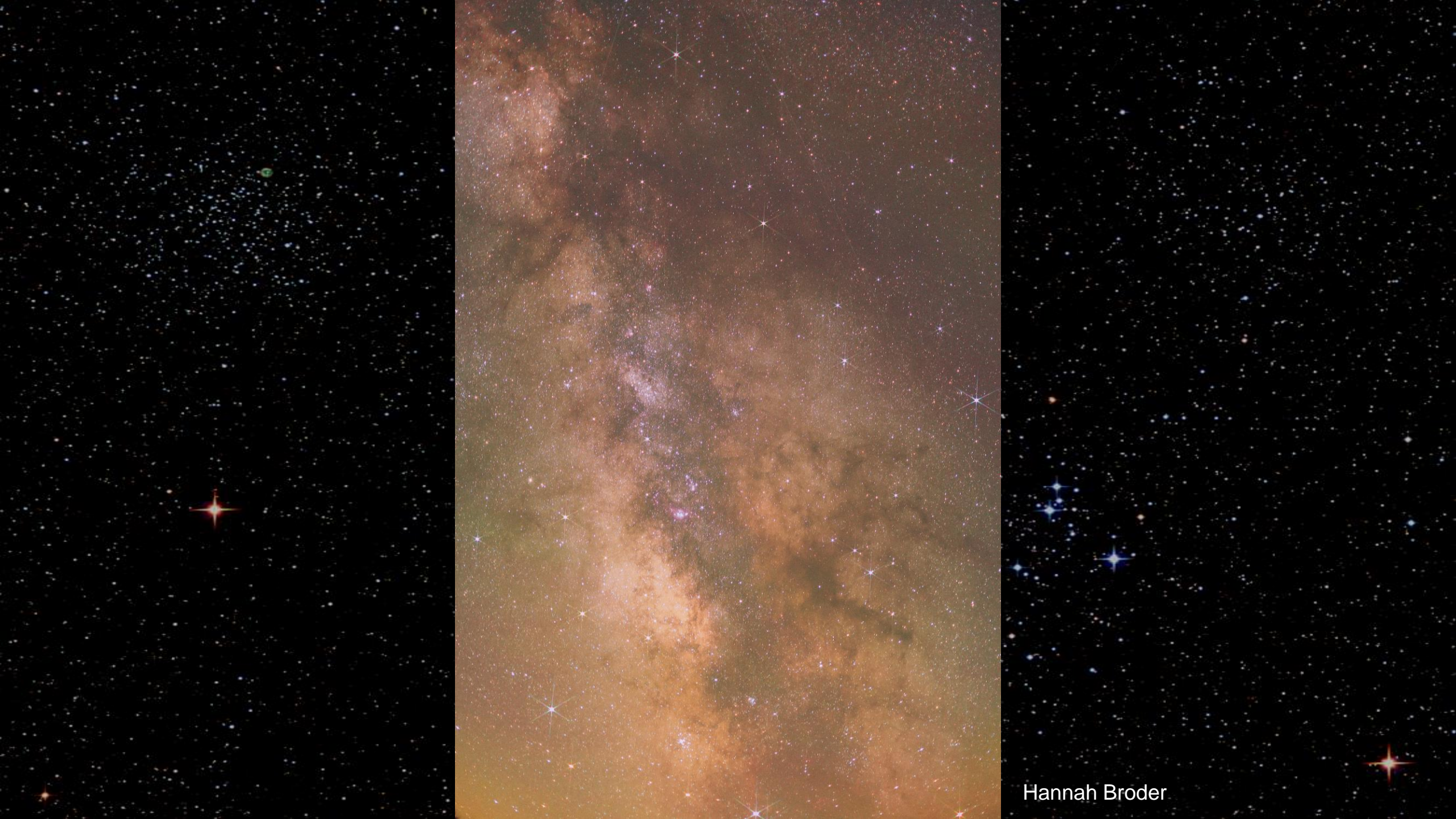


Hannah Broder



Hannah Broder





Hannah Broder

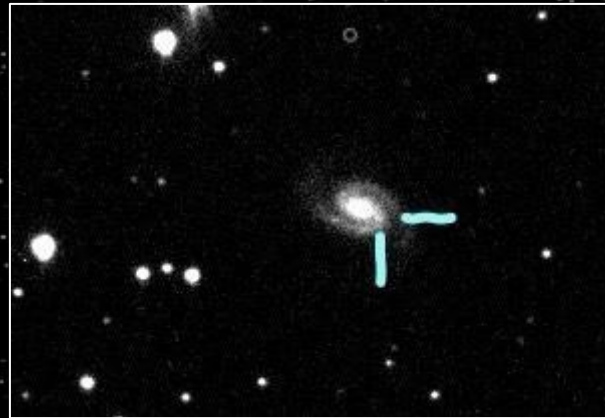
Arjun Meenashi Sundar



Here's a photometry project I've been working this month. I've been performing follow up photometry on SN2022pgf in NGC 5994. Saw the peak brightness and now the class dimming of a SNIa supernova. Chuck Cynamon



Also here's ZTF22aattfmb in NGC 6560. It's 19th mag song supernova originally classified as type SNI. This is a cropped 600 sec Sloan I filter image. The supernova is clearly visible near the galaxy core.



The Moon - 2022-08-13 06:30 UTC

Crater Anaxagoras

Jim Johnson, Ashton MD

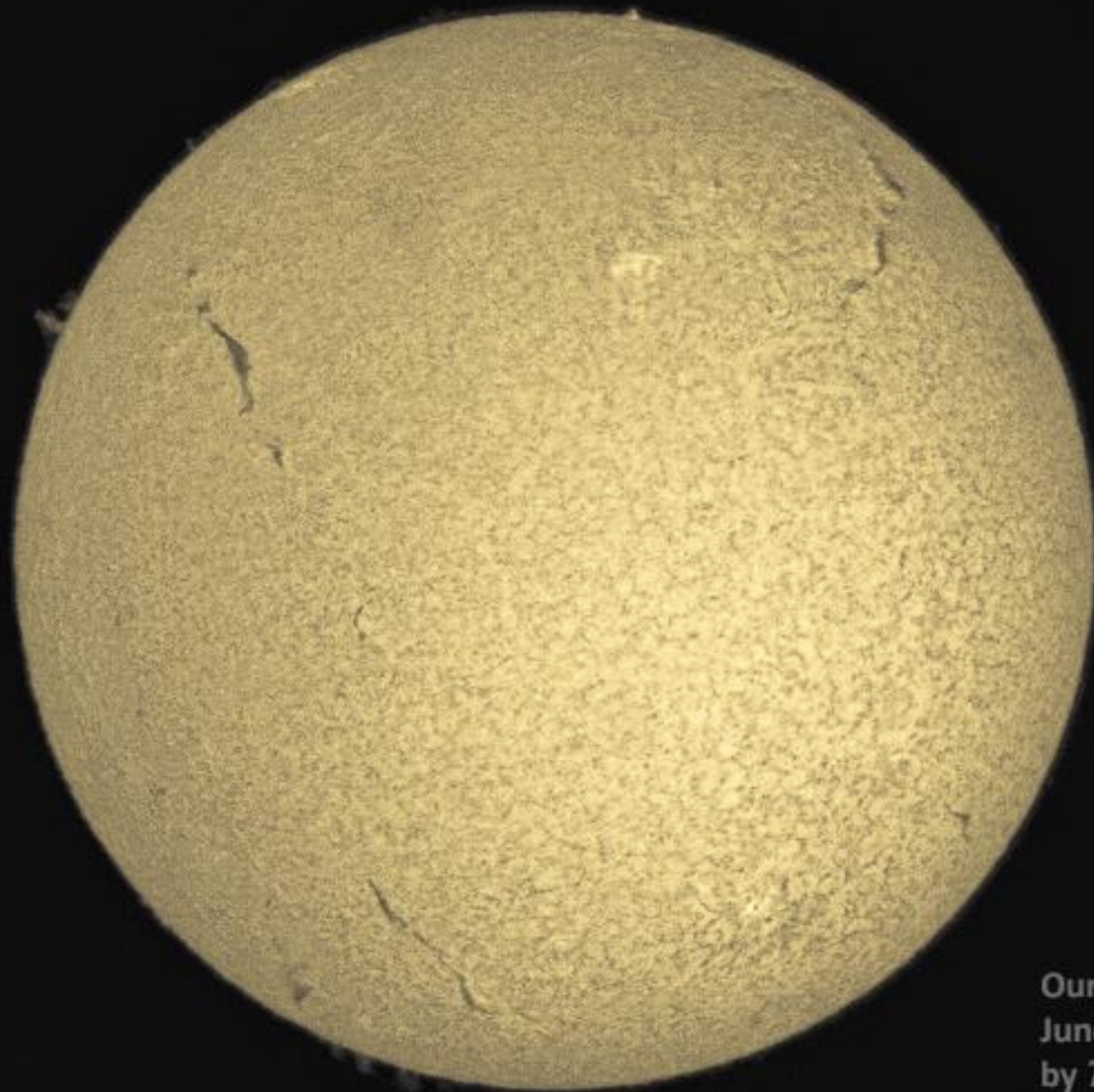
ZWO ASI178MC

Meade LX850 (12" f/8)

Losmandy G11

Jim Johnson
© 2022



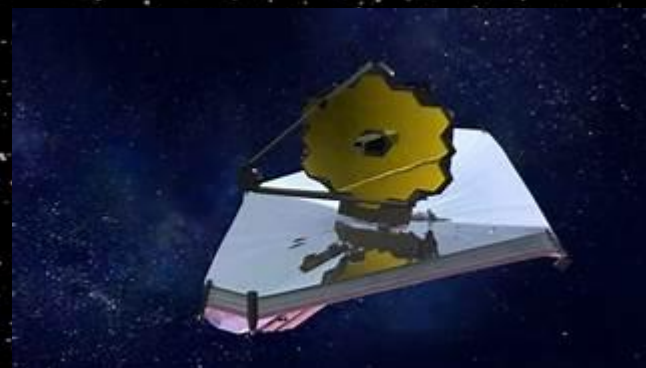


Our Sun
June 30, 2022
by *Phil Whitebloom*



Morning Moon
by *Phil Whitebloom*

Thank You



CLEAR SKIES!