

Howard Astronomical League

October 20, 2022



Astro Humor

NASA successfully hurled an object into an asteroid at 14,000 mph to see if it could be knocked off course.

The James Webb telescope took a detailed image of the impact site.



WHERE DO ASTRONAUTS HANG OUT?



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 +	Hannah Broder	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

Your WebMaster Ken Sall



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HAL Website Search:

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HAL Info

HAL Events

For Members

Blogs

Resources

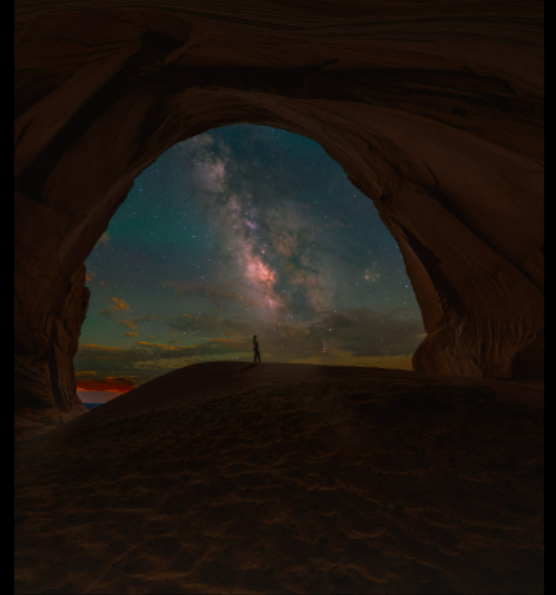
Help / Contact

Featured:

- September's winning [Object of the Month](#) as selected by our Discord users
- [Recent Star Party Reports](#)
- [Presentation and Video Recording](#) from our September General Meeting:
[Al Nagler, Tele Vue Optics - I Thank My Lucky Stars](#)
- [September Public Star Party Report and Photos](#)
- [2022 Star Party Schedule](#)
- Updated [HAL Covid Policy](#) a la Howard County
- Links for [HAL's Instagram](#) account
- HAL's [YouTube](#) channel.

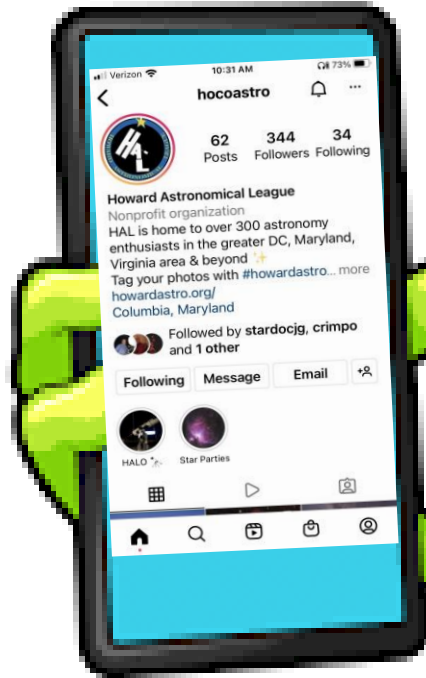
Upcoming HAL and Non-HAL Events

- **October 20:** HAL General Meeting at 7pm (open to the public). Topic: [What Is The Best Telescope For You?](#) See below for [Zoom info for General Meeting](#).
- **October 22:** HAL Members-only Star Party [\[Read more...\]](#)
- **November 5:** HAL Public Star Party (last public SP this year) [\[Read more...\]](#)
- **November 7:** HAL Planning Meeting (members welcome) [Login for Zoom link](#) (available early November)
- **November 17:** HAL General Meeting at 7pm (open to the public). Topic: [Cometary DUs: Detected Under the Influence \(of the Sun, that is\)](#)
- **November 19:** HAL Members-only Star Party



- [JWST Blog](#)
- [Cosmic Targets for Webb Telescope's First Images](#)
- [Comparison: Webb vs Hubble Telescope](#)
- [FAQ Lite Webb Telescope](#)

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



Instagram

HOWARD ASTRONOMICAL LEAGUE



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](#)




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](#)



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

HAL Public and Members Only Star Parties



October	22	Members
November	5	Public
November	19	Members



Discord Group Image of the Month September 2022



IC5070 "The Pelican Nebula"

By: Ken Everhart
September, 2022 (UTC)
Hanover, Maryland.

Telescope: Meade LX-850 14"
Camera: Zwo ASI2600MM
Processing: Pixinsight
Photoshop Elements

SII:	67 X 300 Secs.
Ha:	74 X 300 Secs.
OIII:	99 X 300 Secs.

Choosing the Best Telescope and Mount for You





Question: What is the best telescope?

Answer: The one that gets used!



Things to be considered:

- Budget
- What do you want to see
- Where will you do most of your observing
- Do you want to image with a camera
- Portability
- Storage



What else will you need?

- Red headlamp/light(s)
- Planisphere
- Eye Pieces
- Finder
- Dew Heater
- Cases
- Filters



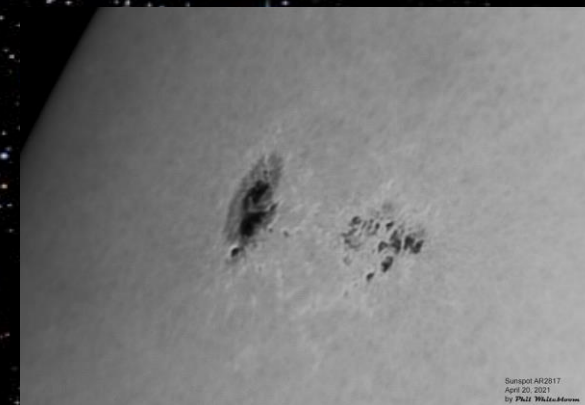
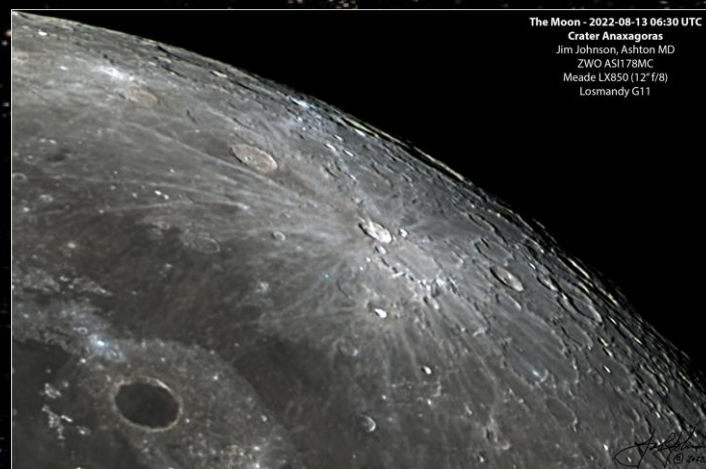
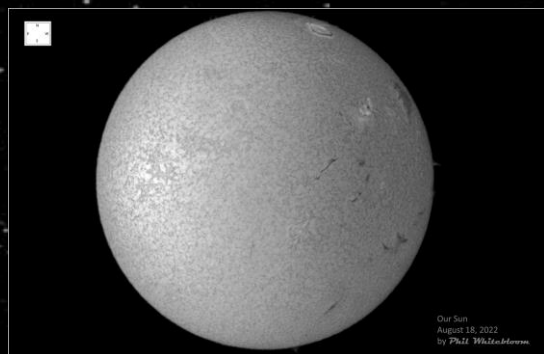
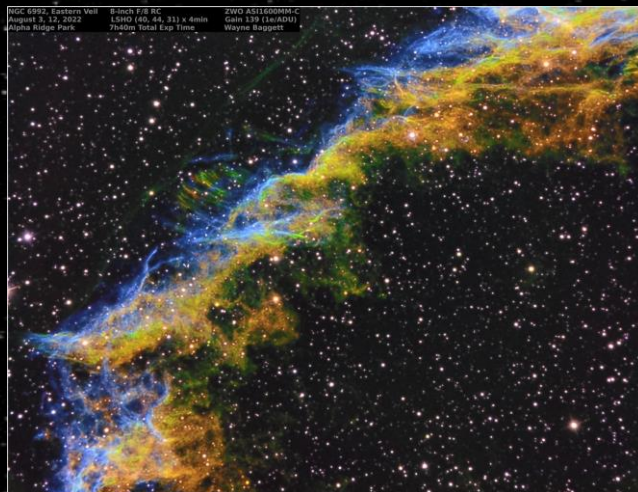
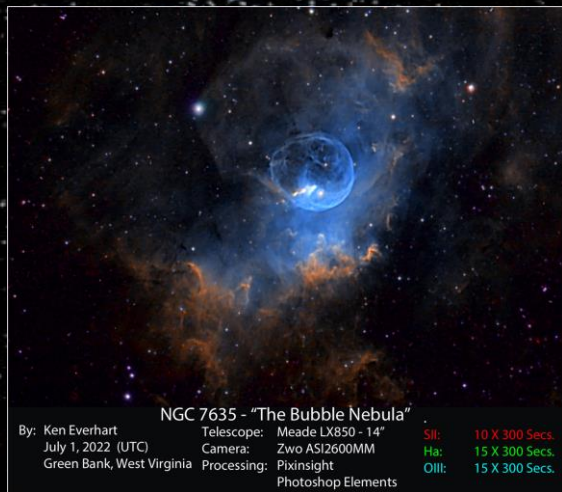
Budget



Get the highest quality you can for
the budget you have.



What do you want to see?





Where will you do most of your Observing?





Portability?

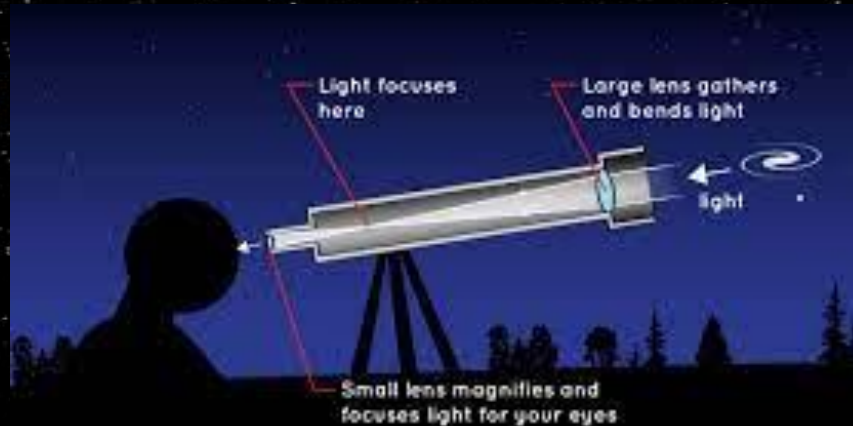




Storage



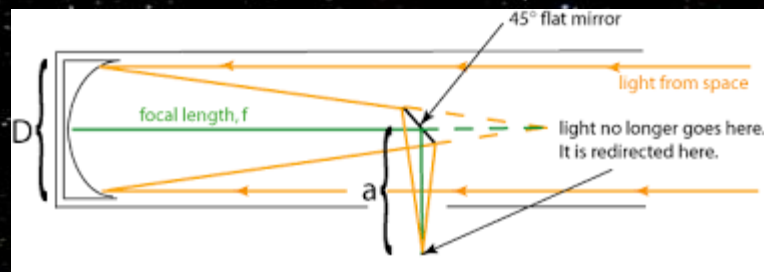
Refractor



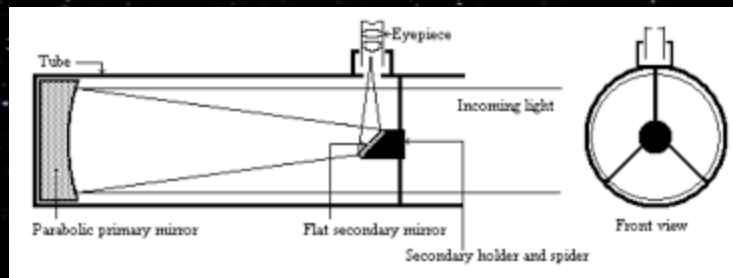


Brad Martin

Dobsonian's



Newtonian

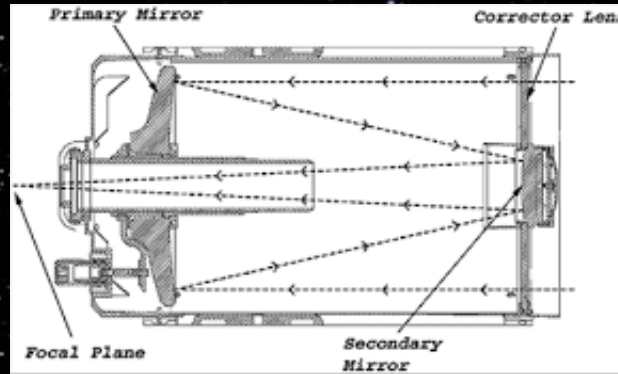




Duane Dehnert



Schmidt Cassegrane



Matt Krutar



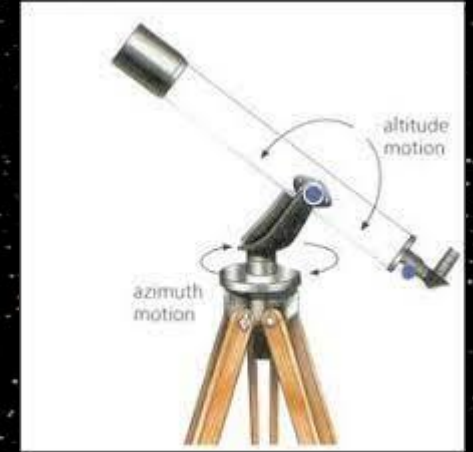








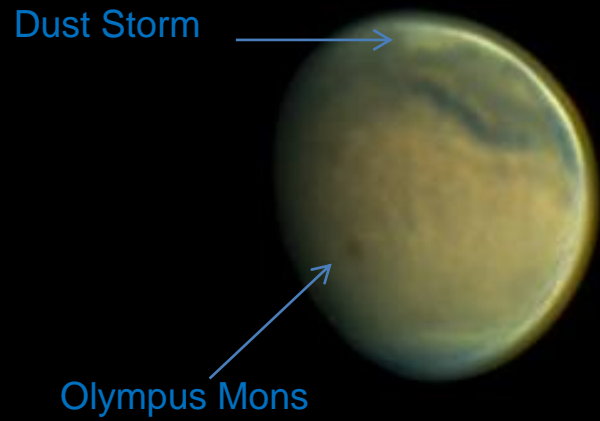
Telescope Mounts



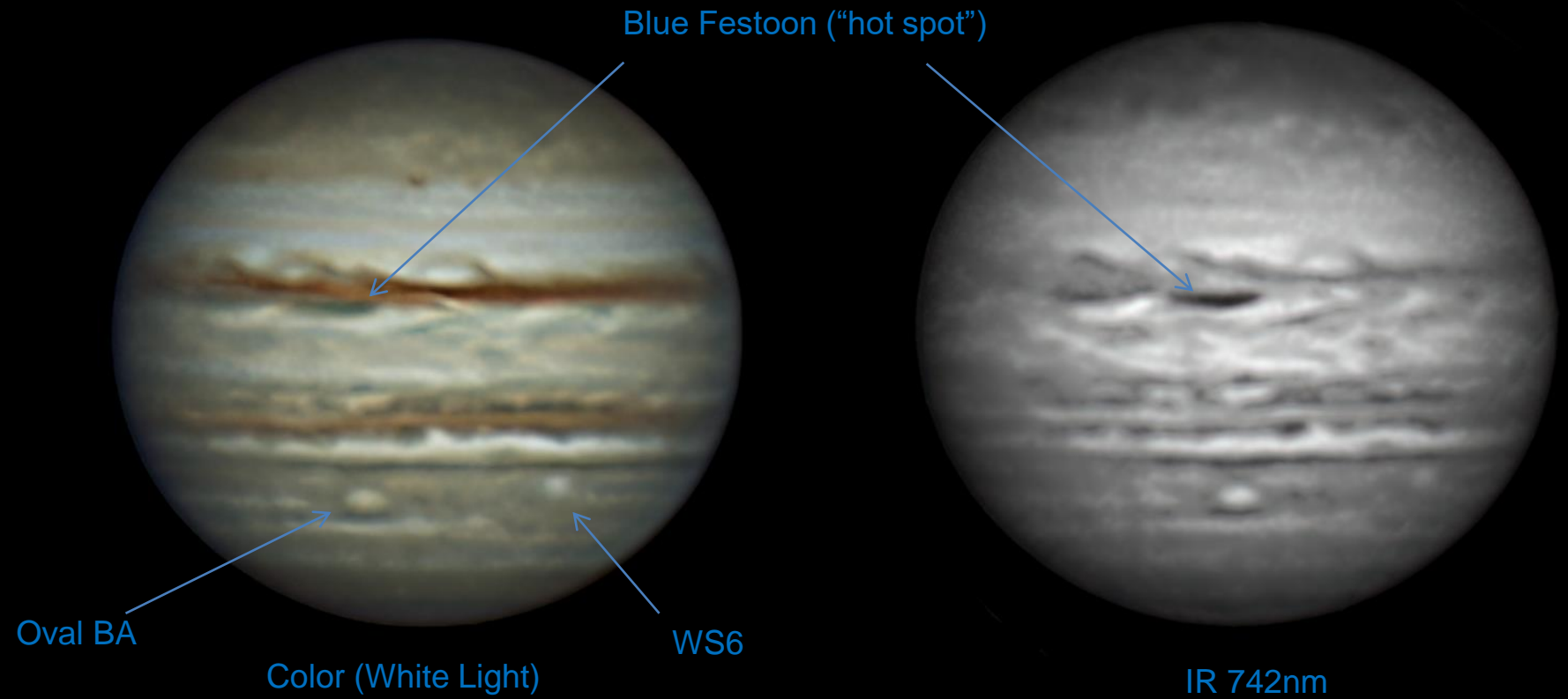
HAL Astro-Images, Sketches, and More



Mars 10/6/2022 4:50 am



Jupiter 10/14/2022
~10pm





M15
October 9, 2022
Alpha Ridge Park

8-inch F/8 RC
LRGB (22, 9, 9, 9)x1min
49min Total Exp Time

ASI1600MM-C
Gain 0 (5e-/ADU)
Wayne Baggett



Brad Martin



Brad Martin









Propeller Nebula (Simeis 57 = DWB 111, 118 & 119)

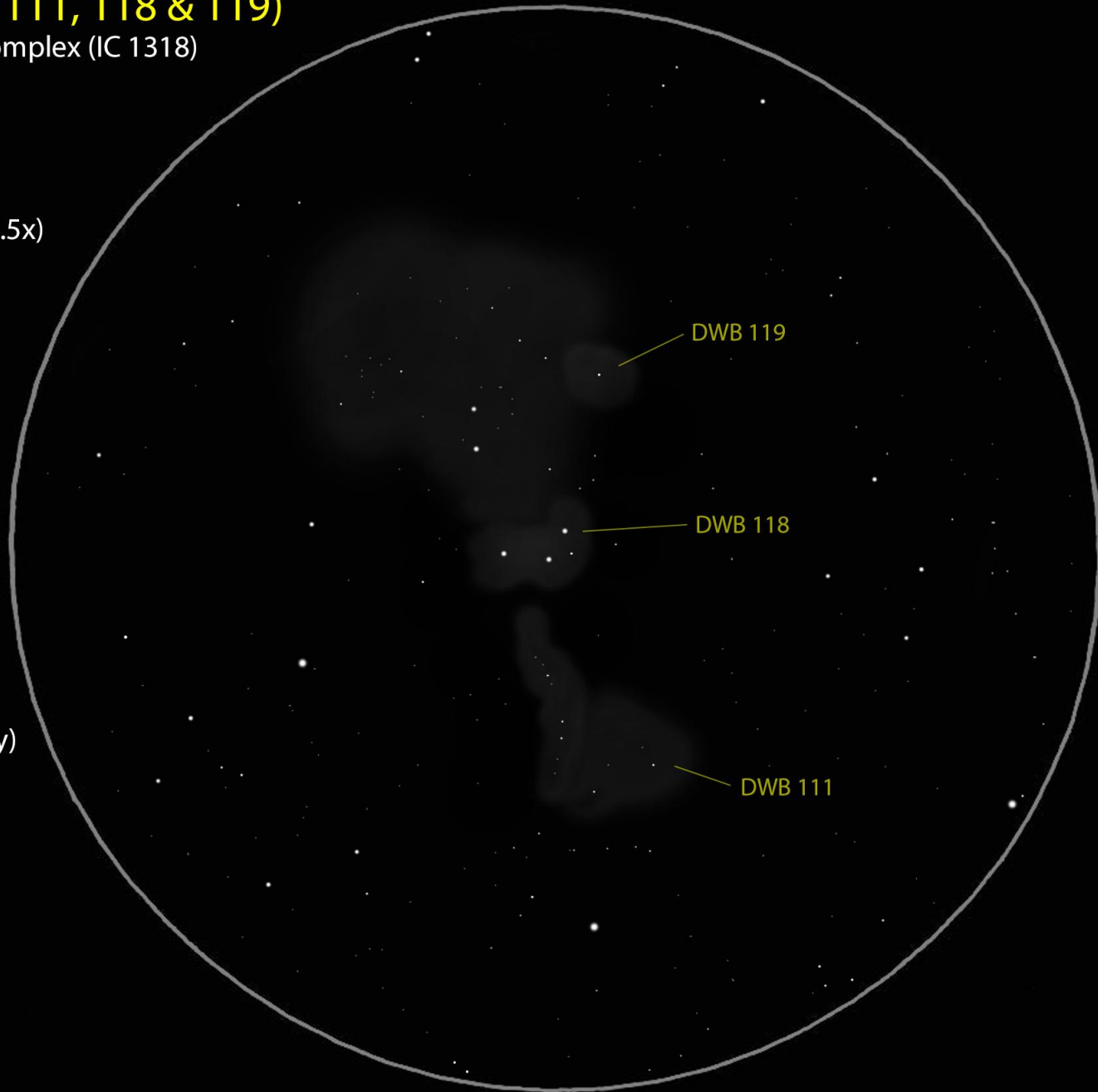
Northern Extension of the Gamma Cygni Nebula Complex (IC 1318)

Telescope: 110mm refractor
Eyepiece: 55mm Plossl converted to 67mm (11.5x)
Night Vision: TNVC-Tele Vue System
Filter: Hydrogen-Alpha (6nm)
Field of View: 3.5 degrees
Orientation: Diagonal View

Constellation: Cygnus

Magnitude: Not Determined
Distance: 4,600 light years
Size: 30 arcminutes (brighter sections only)

Date: 15-October-2022
Time: 19:20 to 20:30 EDT
Location: Alpha Ridge Park
Drawing by: Richard Orr



Propeller Nebula (Simeis 57 = DWB 111, 118 & 119)

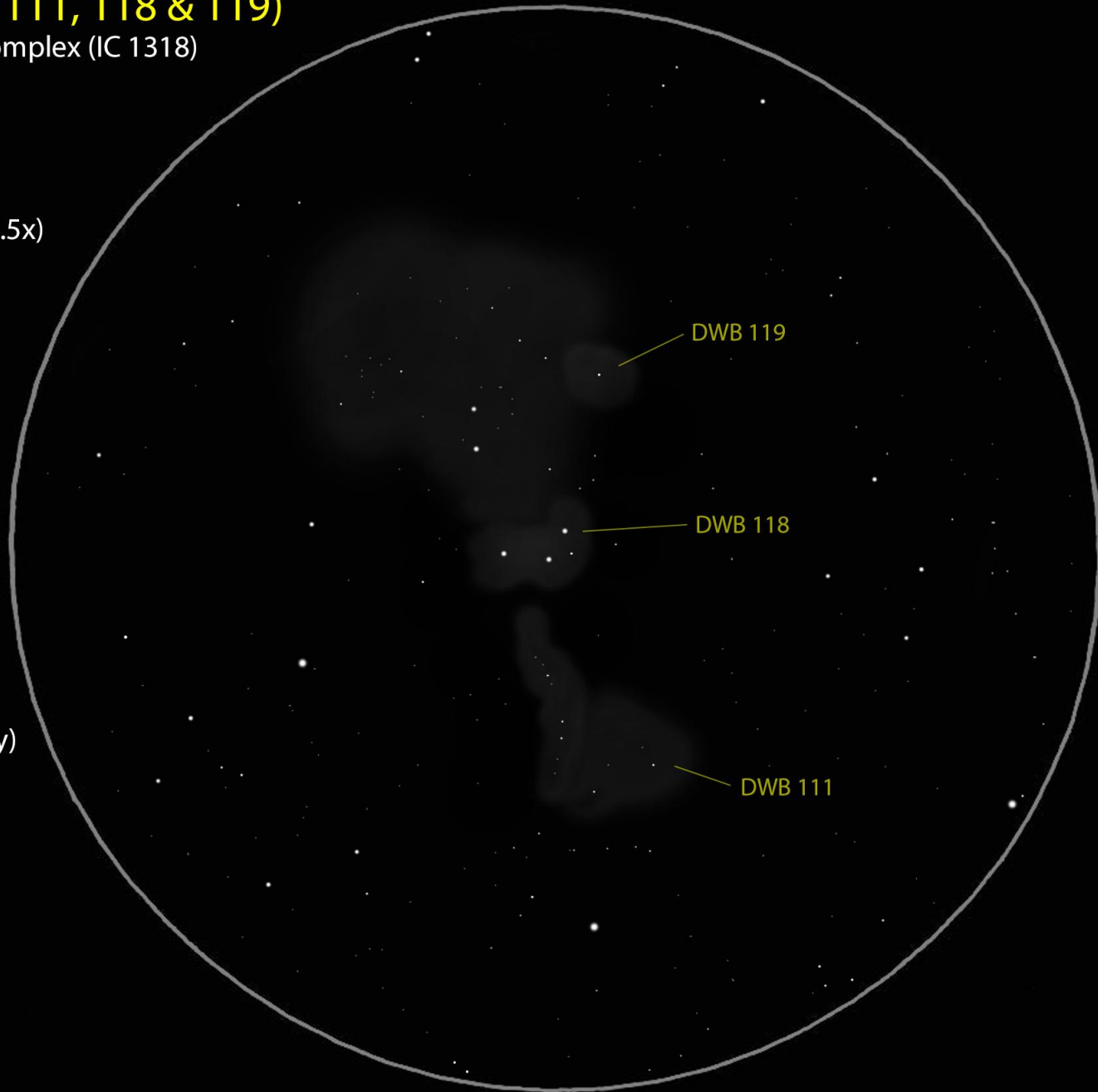
Northern Extension of the Gamma Cygni Nebula Complex (IC 1318)

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Filter: Hydrogen-Alpha (6nm)
Field of View: 3.5 degrees
Orientation: Diagonal View

Constellation: Cygnus

Magnitude: Not Determined
Distance: 4,600 light years
Size: 30 arcminutes (brighter sections only)

Date: 15-October-2022
Time: 19:20 to 20:30 EDT
Location: Alpha Ridge Park
Drawing by: Richard Orr



Lion Nebula (Sh 2-132)

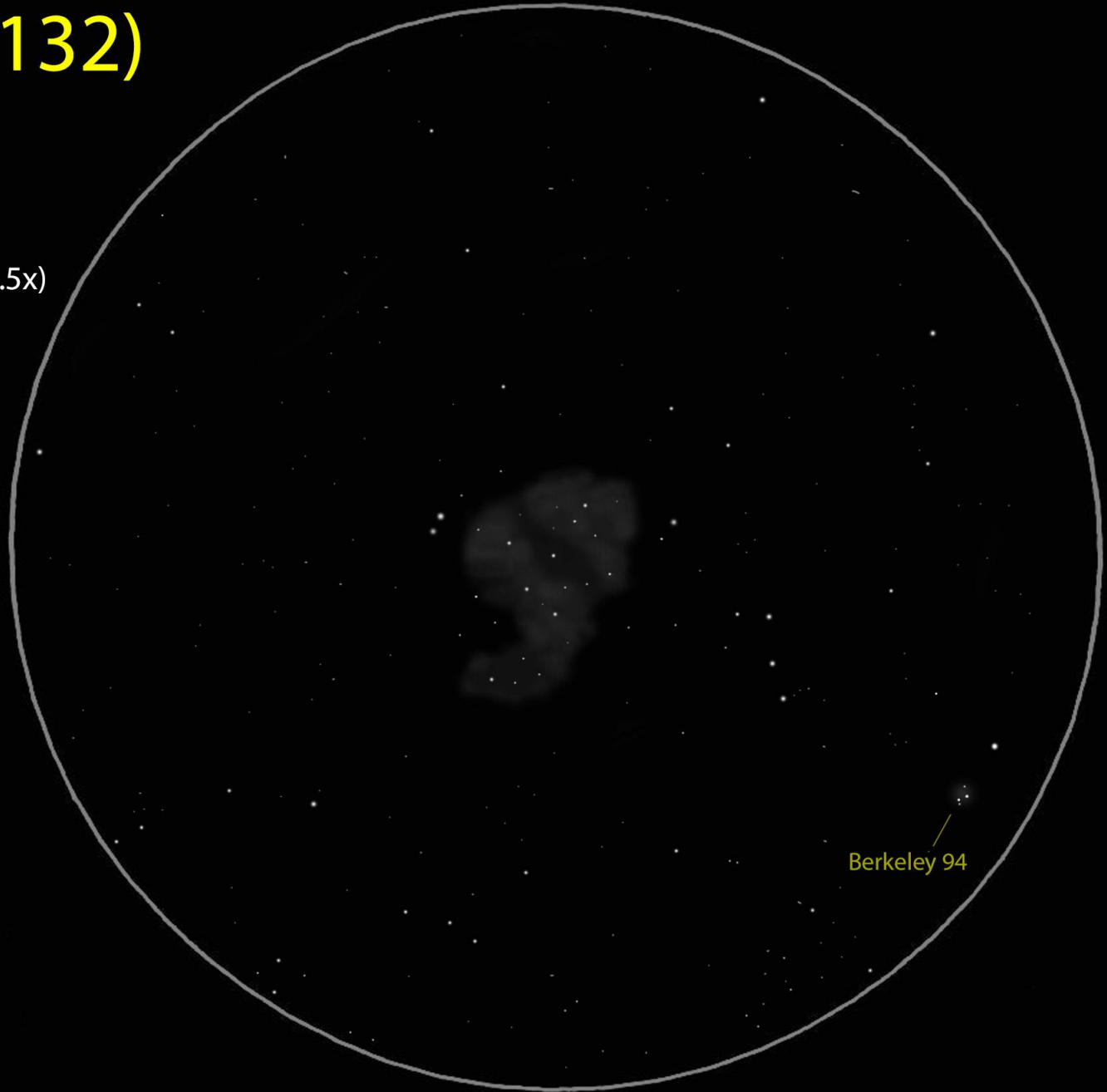
Emission Nebula

Telescope: 110mm refractor
Eyepiece: 55mm converted to 67mm (11.5x)
Night Vision: TNVC-Tele Vue System
Filter: Hydrogen-Alpha (6nm)
Field of View: 3.5 degrees
Orientation: Diagonal View

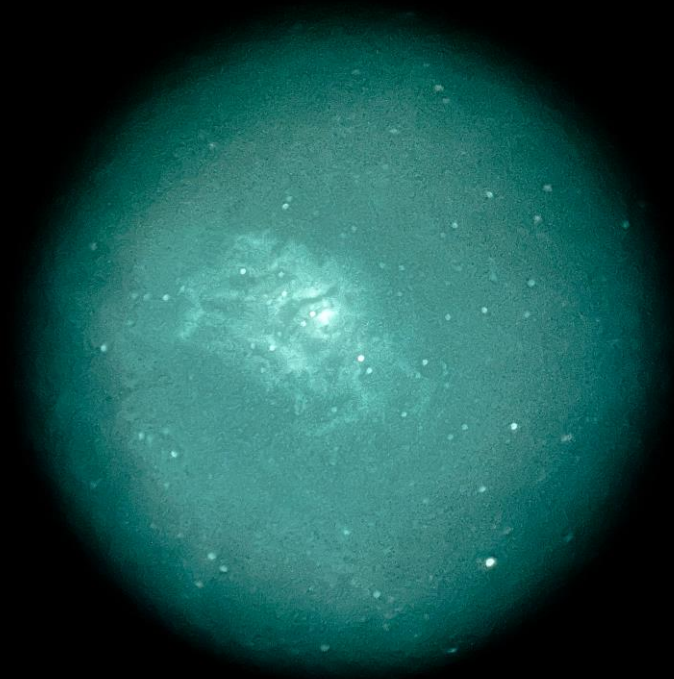
Constellation: Cepheus

Magnitude: Not determined
Distance: 10,000 light years

Date: 15-October-2022
Time: 21:40 to 22:20 EDT
Location: Alpha Ridge Park
Drawing by: Richard Orr



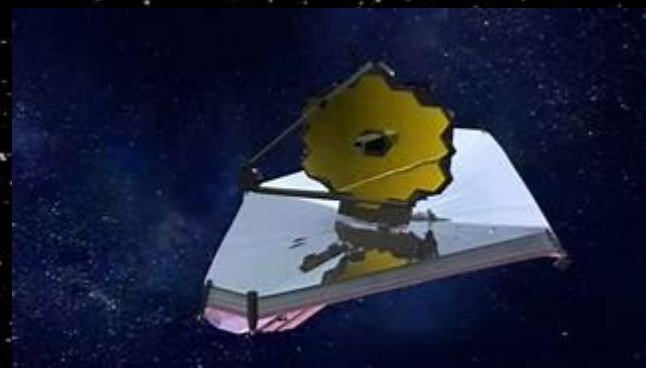
The Lagoon Nebula - M8
Telescope: Astro Physics 5" Refractor
Eyepiece: Tele Vue 55mm Plössl w/67mm converter
Image Enhancer: Tele Vue TNV/PVS-14 L3 Gen3 Un-Filmed White Phosphor
Filter: Astronomik H-Alpha 6 nm
Camera: Apple iPhone 14
Exposure: Single Frame, 3 seconds



Location: Marrriottsville, Maryland USA
Seeing Conditions: Full Moon, Light Polution
Date: October 8, 2022 Time: 8:36PM EDT

by *Phil Whitebloom*

Thank You



CLEAR SKIES!