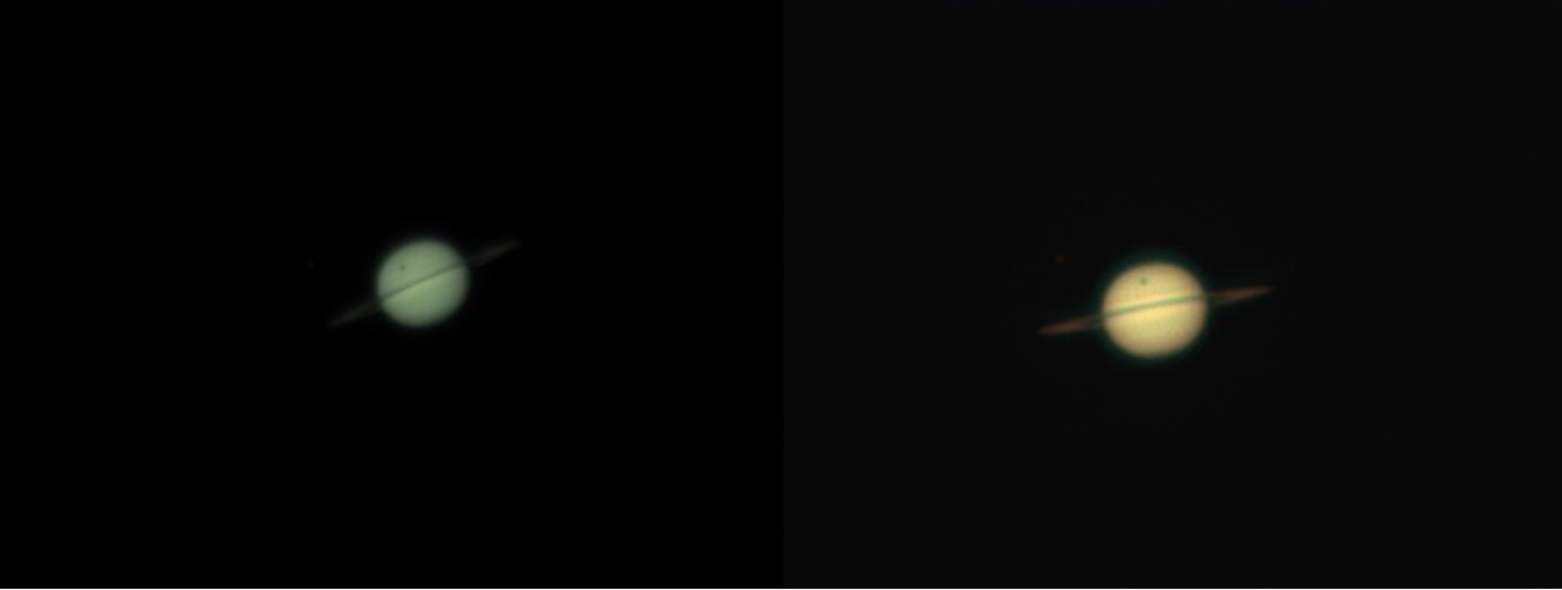


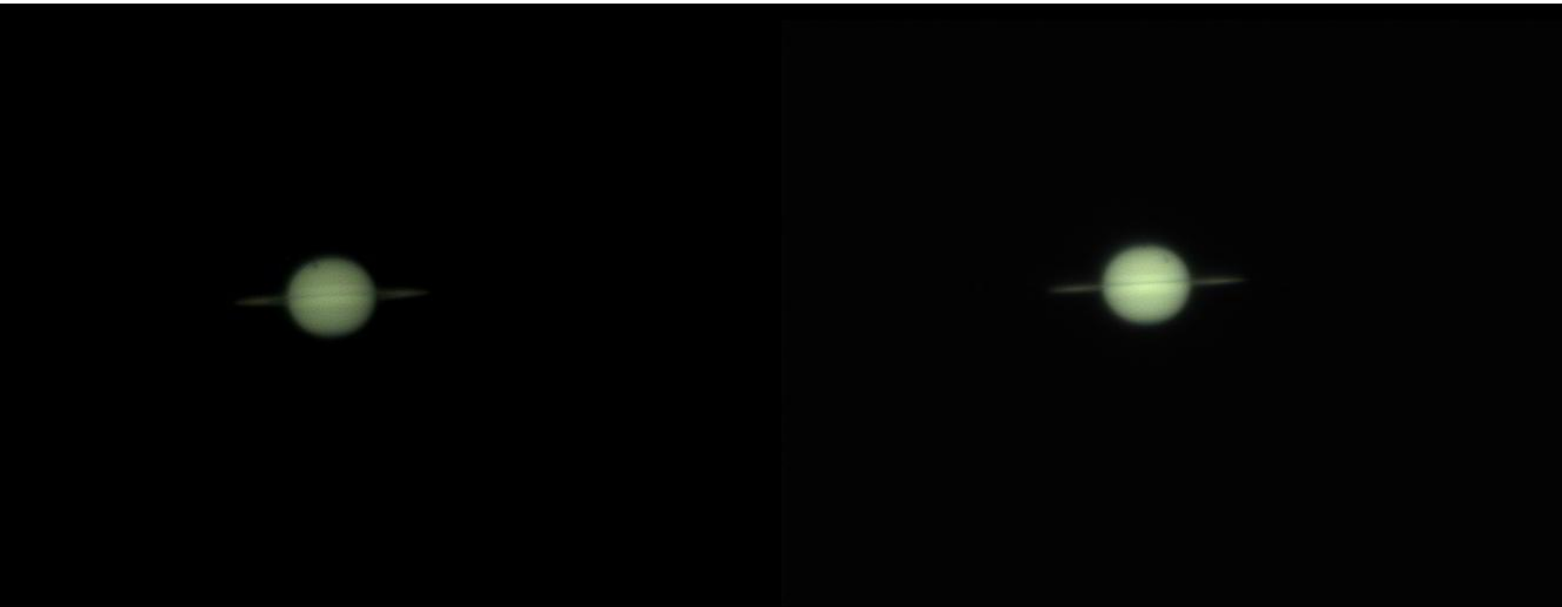
The RASC-Kingston Centre  
2025 Member Image Gallery

Member-submitted  
best imagery of the year



2025-07-18-0853, Focal Length 2.35m, f10, ZWO ASI676MC

2025-08-03-0830 UT, Focal Length 2.5m f20, binned 2x2, ZWO ASI676MC



2025-09-04-0609 UT, Focal length 2.35m f10, ZWO ASI676MC

2025-10-06-0531 UT, Focal length 2.35m f10, ZWO ASI676MC

Shadow transits of Titan on Saturn are very rare. They happen for a few orbits of Titan every 15 years. They also favour one side of our planet each 15 years and we were lucky to be that side for this last set of transits.

Images with 2.35m focal length were taken with an Edge HD9.25 working at prime focus and the 2.5m focal length image was taken with a 127mm AP refractor utilizing a 2.5x Barlow.

All exposures are the best 20 percent of 3000 images taken at roughly 10ms exposure time with a ZWO ASI676MC CMOS camera. The images were stacked with ASI Studio.

Mark Kaye



This is my favourite photo of the year.

It's a landscape image taken on my recent trip to New Mexico.

While at the VLA preparing to shoot comet Lemmon, I witnessed a distant Space-X launch of a Falcon-9.

The launch was estimated to be 700 miles to the west.

It was all very low on the horizon and the rocket plume was faint.

But after a while, the sun set further and illuminated the plume from behind.

With the Comet and VLA in frame, the photo was complete.

# Malcolm Park



Lobster Claw (SH2-157)  
and Bubble Nebula (NGC  
7635)

Imaged over a number of  
nights in October for a  
total of about 70 hours of  
integration of RGB for the  
stars and  
Ha, O3, S2 to capture the  
dust.

Shot with a ZWO 2600  
mono on a Stellarvue 105  
with a 0.8 reducer  
mounted on a Skywatcher  
AZEQ6. Autofocus,  
guidescope and  
guidecam, rotator and  
filter wheel all controlled  
with a mini pc running  
NINA.

Processed with Pixinsight.

It's a nice colourful target  
that can be shot all night  
long at the right time of  
the year from our area.,

Stefan Jackson



Dark Shark Nebula  
(dark reflection nebula in  
constellation Cepheus)

Designation: LDN 1235  
Telescope: Radian 75  
(75mm, 405 focal length)  
Mount: Vixen SXD2  
Camera: ASI2600MC Pro  
Temp: -10C, Gain 100  
Filter: UVIR Cut  
Exposures: 143 x 300 Secs  
= 11.92 hours

I started capturing this  
target at StarFest and  
finished it over two more  
nights at home. This is a  
target I've always wanted  
to capture and I'm pretty  
happy with the results.

Bruce Murray



Eastern Veil Nebula taken on October 26, 2025 with a Celestron 9.25 Evolution alt/az mount.

Total exposure of 20 minutes of stacked 8 second individual exposures with SharpCap Pro using a OSC ZWO 294 uncooled camera.

Processed in Seti Astro and Affinity Photo with star spikes added.

Mark Deslauriers



## November Meteor

The specs: On November 15, 2025, I set my Canon Rebel T5 camera with 18-55mm lens at the window to run a series of 20 second exposures, f3.5 at ISO 1600.

At 11:11 p.m. I was rewarded with this nice meteor.

Rose-Marie  
Burke



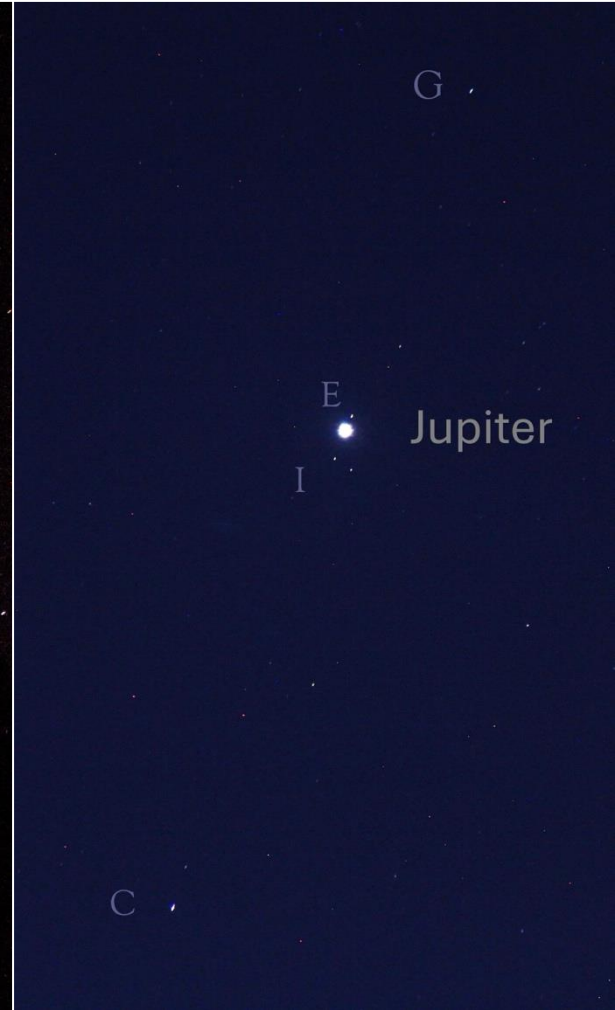
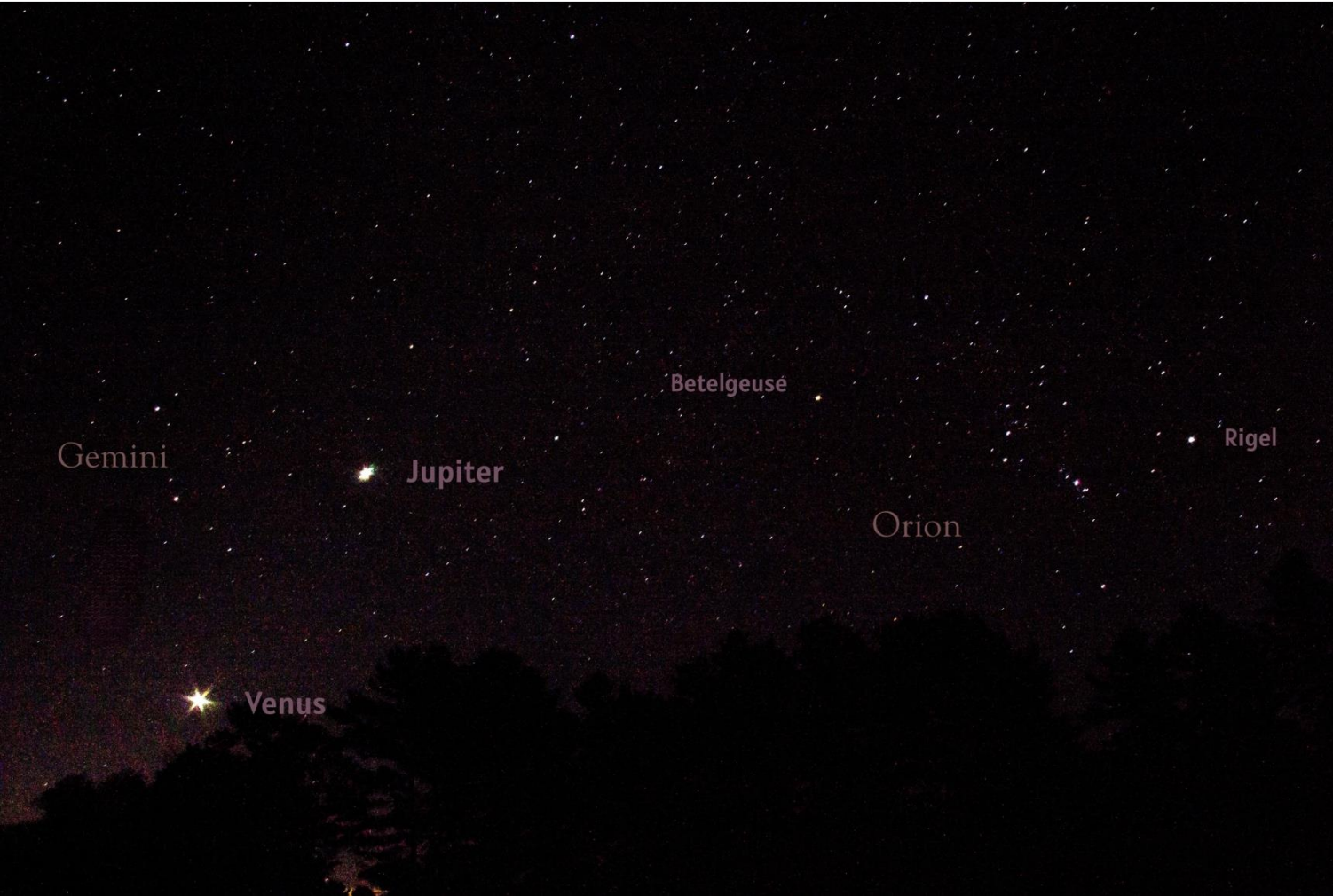
I had one chance to get this shot, so I was happy on the evening of October 17th that both the weather and my equipment cooperated when I captured RGB data on C/2025 R2 (Swan) as it crossed the Milky Way close to M16, M17, NGC 6956, briefly just after sunset, before it set as well.

I then spent the rest of the week capturing Ha and Oiii data to create the HOORGB image. I also spent another evening capturing RGB data of the field to help with noise and rejection for my no-comet layer, with a total integration of 5h 29'.

This data was collected from a remote observatory in Rockwood, Texas, using my Takahashi FSQ106EDX4 + 645QE reducer +ASI ZWO 6200MM-Pro, Astronomik deep Sky RGB and 6nm Ha/Oiii filter riding on an Astrophysics Mach1.

Pre-Processing in APP.  
Processing in Pixinsight.  
Finished in Photoshop.

Kevin Wood



### Jupiter-Venus Conjunction at predawn – 26<sup>th</sup> August 2025

We were at our annual family get-together in a cottage at Snug Harbour, Desert Lake – with wonderful clear skies for several nights. These photos were taken at 4:30 AM. Jupiter and Venus had just arisen above the treeline in the eastern sky. The constellation Gemini (with Pollux and Castor marking the heads of the two twins) was visible on the easterly side, while a wonderful view of Orion was visible on the southerly side. Using my telescopic lens, I could see the four Galilean moons of Jupiter (Ganymede, Europa, Io and Callisto)!

The temperature was 18° C with no wind. I shared the photos later with the rest of our family, including our grand son (11yr) and several of his friends. What a wonderful time for all!

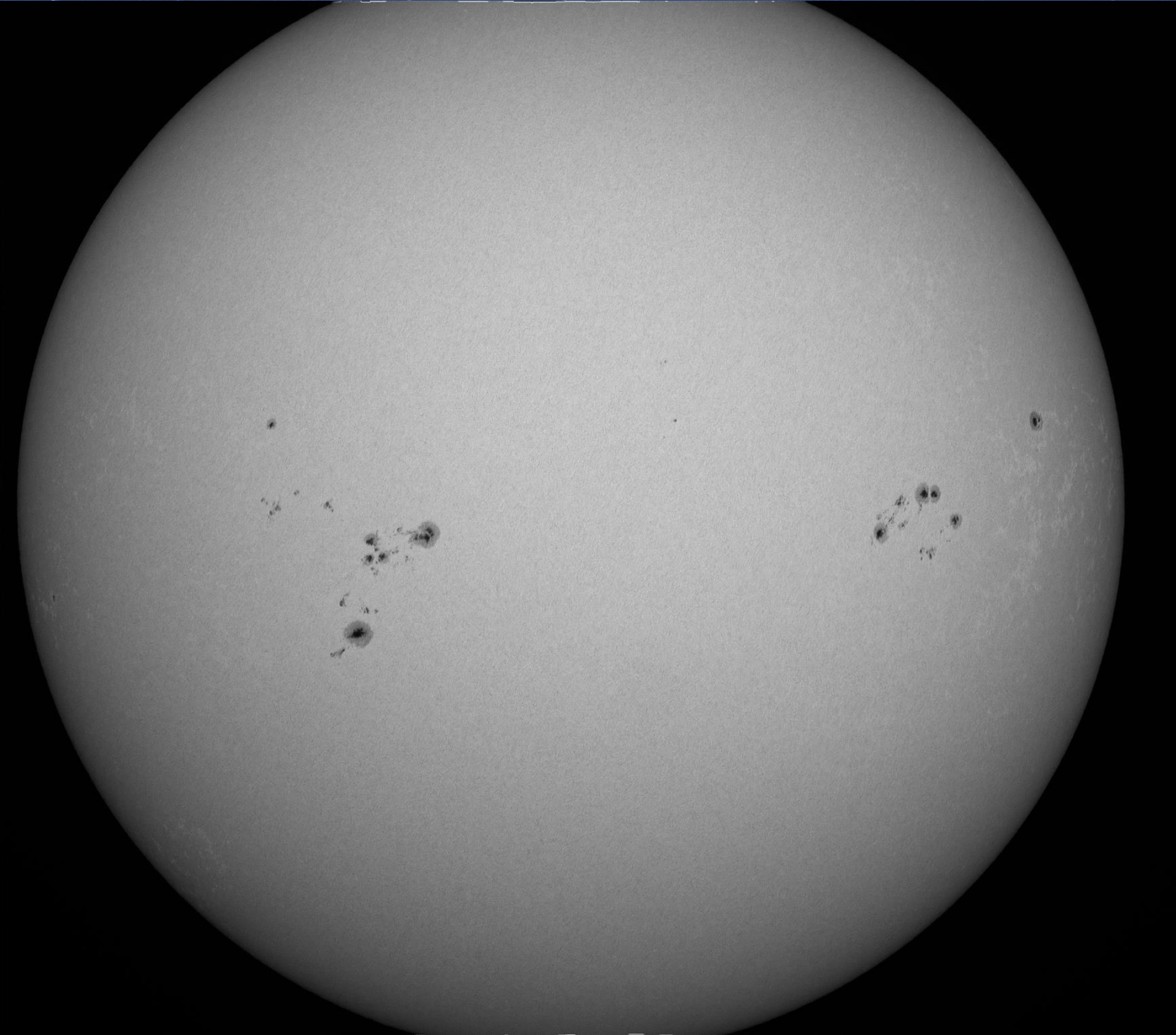
#### Technical details:

Canon 60D DSLR with zoom lens on tripod.

Wide angle view (left) - 18mm, 30s, f16, ISO 2000.

Telescopic view (right) - 200mm, 2.5s, f 5.6, ISO 640.

# Bruce Elliott



This was shot on 2025-09-30 at about 10AM with the Hankscope 10" Schmidt-Newtonian with an 80mm

Baader film white light solar filter and an IR pass filter and a QHY183M mono camera.

This is the best of eight whole disk sequences that were shot, best 5% of 129 frames. Exposures were 2ms at a gain of 20.

Rick Wagner



It was very hard to choose my best image. So many choose from. I mostly image galaxies but I keep returning to nebulae.

I think my favourite is M27, the Dumbbell Nebula.

This image was a single 20 minute exposure with my Mallincam Universe Camera and Celestron 11in SCT.

Steve Craig



As a planetary imager, this is my first foray into using a ZWO CH4 methane (FWHM 20nm) filter to image Jupiter. These two images are "regular" and "CH4" on the same night, about 2 hours apart, showing the Great Red Spot in both. Methane tends to show high clouds on the surface but requires x100 the exposure (300ms) of a regular image (3ms).

Trying something new is why I think this is my best image of the year :).

#### Equipment:

- Skywatcher AZ-EQ6GT mount
- Celestron 9.25 SCT, x1.5 barlow
- ZWO ASI585MC camera

In addition to the normal processing with Autostakkert! v4, Registax/wavelet and ImageMagick annotation, we have added GIMP to the mix with black level reset, increased saturation and some unsharp mask.

# Kevin Kell



The image was taken with a 200mm RC telescope 1800mm FL. The mount is an iOptron CEM 70D and the camera is a ZWO ASI2600 colour camera.

This is 35 60 second exposures, stacked with the darks. No other photo editing used.

I always am partial to pictures of galaxies, especially multiple galaxies in the same frame.

Mike Hanes



I took this photo in our back yard in Sharbot Lake on September 30, 2025 with my iPhone 14 Pro.

The Danko 25" Obsession is the object on the bottom right.

Our Sky Shed S Pod looks like it is in the Glory of the Heavens.

There is more aurora than I saw with my eyes and this was hand held.

Peggy Hurley



I picked this target for a few reasons... it's positioned well for me to image, I LOVE dark nebulae and the addition of lots of Hydrogen Alpha makes this image so pretty. Cepheus is one of my favourite areas for imaging due to its stunning collection of reflection nebulae, dark nebulae and the abundance of colourful stars.

LDN 1165 (centre of image) is a dark nebula in the constellation Cepheus. It sort of looks like a silhouetted bunny to me but one's imagination can see many things.

#### Equipment:

Askar 200mm astrograph lens  
ZWO 1600 mono  
ZWO electronic filter wheel  
Filters LRGB Ha  
wanderer rotator  
wanderer flat panel cover  
Sky watcher AZ EQ5 pro  
ZWO EAF  
Askar auto focus kit

#### Acquisition Software:

NINA, ASTAP platesolving, ASCOM device management, PHD2 guiding, EQMOD mount control, Sharpcap polar alignment, Pre and post processing-  
Stacked with Pixinsight (WBPP)  
ALL processing and editing with Pixinsight

Bortle 4 Athens Ontario

# Shelley Jackson



I selected this image of M51 Whirlpool Galaxy as this was one of my first SeeStar S50 DSO images. This image, shot with the RASC-KC SeeStar S50, is made up of 120 images shot at 30 seconds each. They were stacked and de-noised in the SeeStar.

Brian McCracken

Please see more stars  
on the next 3 slides from our Christmas  
Dinner  
at The Mandarin!







# The Royal Astronomical Society of Canada - Kingston Centre 2025 Member Image Gallery

All submissions are copyrighted by their creators.

Thank you to all for your contributions!

Submission deadline for the  
2026 Image Gallery is  
December 31, 2026.

Edited by Brian McCracken



