



Photo: Tim Yaworski



## December 7 to December 13, 2020 RASC Weekly: Recreational Night, Shooting Stars, and Moon Shadows!

Wednesday, December 9, 2020 - 19:30 to 21:30 EST  
Recreational Astronomy Night - Toronto Centre (ONLINE)

Join us for our monthly recreational astronomy night meeting on YouTube Live (free of charge). This is where our members get to show their latest projects or give tutorials and tips on just about everything to do with astronomy.

- Ron Macnaughton - The Sky This Month
- Dave Lane - The Mini-Robotic Observatory (MRO)
- Jerry Vila- The life and discoveries of Galileo Galilei

[Join Recreational Astronomy Night](#)

Friday, December 11, 2020 - 22:00 to 23:45 EST  
Friday, December 11, 2020 - 19:00 to 20:45 PST  
Chasing Shooting Stars and Moon Shadows - Sunshine Coast Centre

Don was born, raised and educated in Winnipeg, Manitoba. He graduated from the University of Manitoba with a BSc (Hons) degree in Earth Science in 1979. Until 2016, Don worked as a geologist in the energy industry. He is an avid amateur astronomer and has twice been President of the Calgary chapter of the Royal Astronomical Society of Canada (RASC). Since 1984, Don can be heard on the CBC morning show "the Calgary EyeOpener" where he shares recent space science news.

Before the Covid-19 pandemic, Don was an enrichment lecturer on a Hurtigruten ship off the coast of Norway for Road Scholar's "Astronomy Above the Arctic Circle" program. He has been an expedition leader for solar eclipse tours all over the globe and has seen 15 Total Solar Eclipses, three annular eclipses and two rare Venus Transits. Don has asteroid 73704 named after him for his many years of community service. In November 2020 he was nominated to become a Fellow of the Royal Canadian Geographical Society.

**Meeting ID:** 899 9226 0676  
**Passcode:** 281523

[Join Chasing Shooting Stars and Moon Shadows Webinar](#)

### Astro-image of the Week Tim Yaworski

We are featuring winners of RASC's AstroImaging Certificate. Winners will be featured in the banner of RASC Weekly. More information on the RASC AstroImaging Certificate is available [here](#).

07\_COMET: *There were no real challenges in capturing Comet Neowise. It was the astrophotographers equivalent of shooting a fish in a barrel (the countless beautiful images posted*

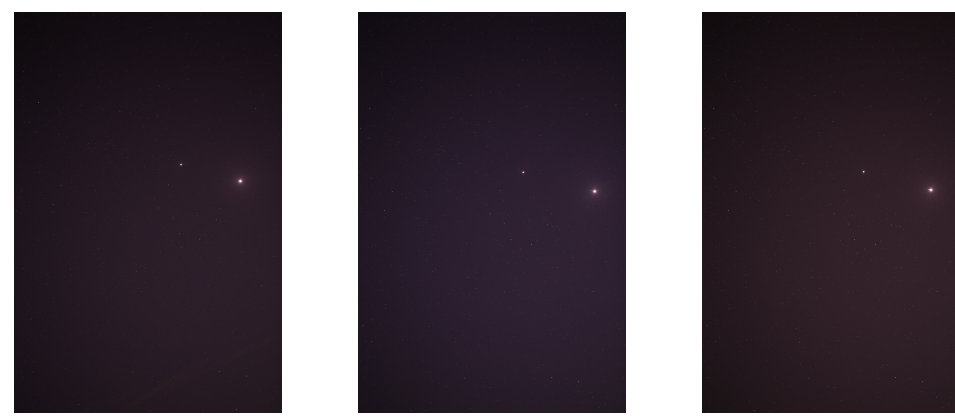


*online by thousands of people, neophytes to experts, was a testament to that). This single shot selfie captured the beauty of Comet Neowise as it hovered over faint aurora and noctilucent clouds. I captured the image at the Sleaford Observatory, 45 mins. east of Saskatoon. July 16, 2020 00:34 CST. Fujifilm X-H1, Fujifilm 10-24mm 10mm f4 30 secs. 3200 iso untracked! Categories: Scenic, Night Sky*

To see the large image, check out the [RASC AstroImaging Zenfolio page](#).

## Follow along as we image the Great Conjunction!

We are using the DSLR on the back of RASC's Robotic Telescope to capture Saturn and Jupiter as they conjunct! Follow us on social media to catch our daily photos of the planets.



### Data Available For Purchase

Calling all astroimagers! The data from our Robotic Telescope is finally available for purchase. This is the perfect gift for the aspiring astroimagers in your life, and with no shipping costs! ALL of the data from the RASC Robotic Telescope for 2019 and 2020 is now available for purchase. You'll receive data for over 30 different narrowband and LRGB targets, including targets from our DSLR camera.

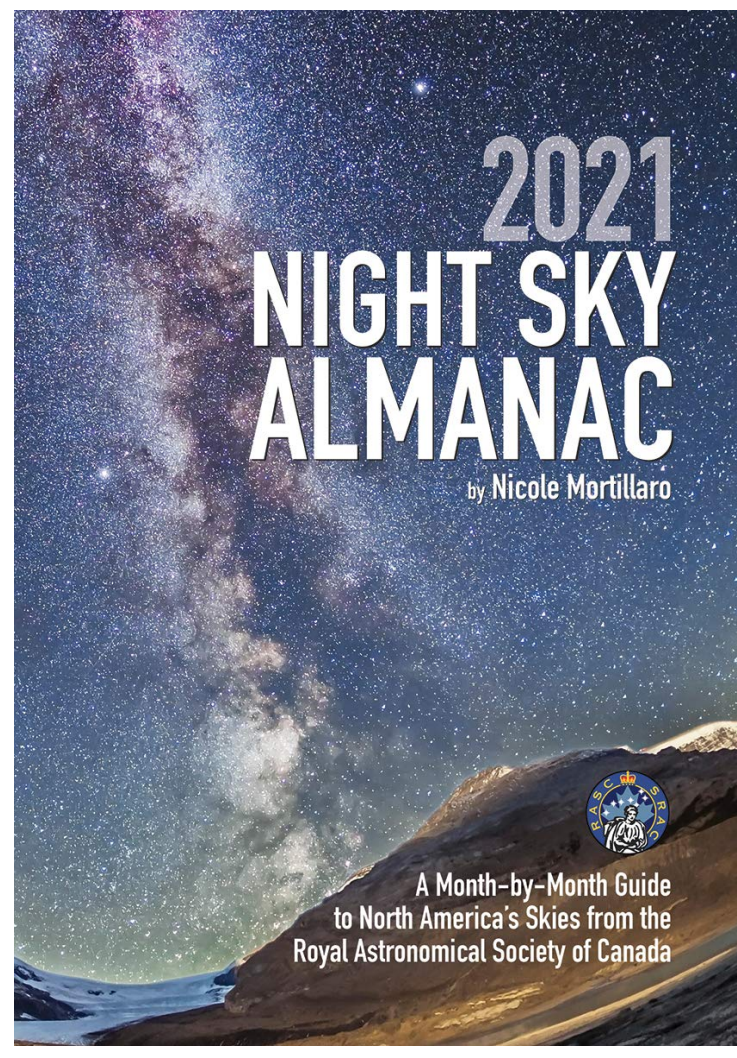
Head to our online store to purchase this item! Choose the item (adult or student) that applies to you or the person you're buying the item for. If you plan on gifting this purchase to someone, please email [telescope@rasc.ca](mailto:telescope@rasc.ca) to inform them of your intent.

[Buy Now](#)

### Gift Memberships

This holiday season, give the gift of a RASC membership to your friends and loved ones! A RASC membership includes a wealth of resources and a chance to connect with a large community of astronomy enthusiasts. If you have a budding astronomer in your life, our annual membership makes an excellent gift! To purchase a membership, contact our Membership Coordinator, Adela Zyfi at [mempub@rasc.ca](mailto:mempub@rasc.ca) or (519) 783-1529.

### 2021 Night Sky Almanac Available now!



[Buy 2021 Night Sky Almanac](#)

## This Week's Observing Targets

December 13, 2020, 18:15 – December 14, 2020, 7:45 EST  
Geminids Meteor Shower

Thanks to the debris caused by asteroid 3200 Phaethon, we get to see 120 multicolored meteor showers per hour! Given the nearly new moon, the sky will be dark enough to view the peak of the showers between the night of the 13th and the morning of the 14th. Don't miss out on this spectacular event radiating from the Gemini constellation.

Monday, December 14 - 8:30 – 14:00 EST  
Total Solar Eclipse

The moon blocks the sun revealing its corona or atmosphere. This will be most visible in South America, more specifically Chile and South Argentina!

## Member Highlights

Do you know a member who you think deserves a spot in our newsletter? Let us know! Email [communications@rasc.ca](mailto:communications@rasc.ca) with your submissions.

[view this email in your browser](#)