



ROYAL
ASTRONOMICAL
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OF CANADA

Photo: Dan Aaron Margolese



September 14, 2020

What's happening at The RASC?

Wednesday, September 16th - 7:30 to 9:30pm EDT
RASC Toronto Centre Monthly Meeting

You're invited to RASC Toronto monthly virtual meeting! It is the next in our regular recreational astronomy night evenings with presentations by members for members.

Do you remember Arushi Nath, featured a few weeks ago in our Explore the Universe section? She'll be discussing her journey to complete her Explore the Universe Certificate.

Chris Vaughan - The Sky This Month
Colin Haig, Director of Marketing at Diffraction Limited -
Astroimaging: Canadian Connections
Arushi Nath - How I travelled around the Universe for 6 years to complete my RASC Explore the Universe Certificate

Find out more [here](#).

[Click here to join the livestream](#)

Thursday, September 17th - 3:30pm to 4:30pm EDT
Explore the Universe: Autumn Equinox

Happy Fall Equinox! We'll spend this session talking a bit about what equinoxes and solstices actually are, and will then jump into some lunar targets. Later in the week we will see another Jupiter-Saturn-Moon conjunction too, so get ready to check it out!

[Click here to register for Explore the Universe](#)

Friday, September 18th - 7:00pm to 9:00pm EDT
Acadia First Nations, Mi'kmaw Moons and Sky Stories - a Two Eyed Seeing Approach
RASC London Centre Monthly Meeting

Speakers:

Cathy LeBlanc, Acadia First Nations Mi'kmaw Cultural Interpreter and a member of the Big Drum group Women of the Shore
Dave Chapman, Recipient of the RASC National Fellowship Award 2020 and a Life Member of the RASC, Dartmouth Nova Scotia

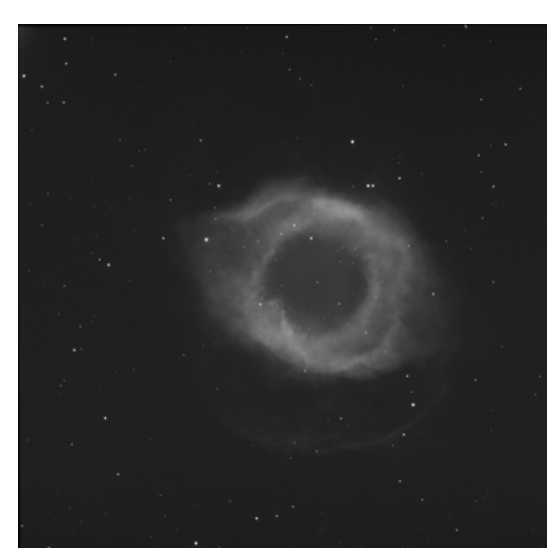
The meeting will be hosted on Zoom using Zoom Meeting ID: 719 353 982. Enter this number [here on the Zoom website](#) to join the meeting at 7pm EDT on September 18th, 2020.

You must enter **Zoom Meeting ID: 719 353 982** to join the meeting.

[Click here to go to the Zoom website](#)

Now until September 30th

Check out the Skynews and RASC Robotic Telescope Image Editing Contest for September 2020, this month featuring the Helix Nebula!



This month SkyNews and RASC will be releasing data of the Helix Nebula! The RASC Robotic Telescope Photo Team has set up three folders for you with different levels of data, so you can choose which suits you best.

Level 3, easy: Includes calibrated master light frames in several formats. That means you can download 2 complete and ready-to-be-combined images in Hydrogen-alpha and Oxygen-III, that you can combine using photoshop or another photo-editing software to produce a colour image.

Level 2, moderate: Includes individual light frames that have all already been calibrated. That means you can align and stack the images yourself to produce your own master light frames.

Level 1, hard: Includes bias-calibrated light frames and master dark and flat frames, so that you may do the calibration of the light frames yourself.

SkyNews.ca has all the information about the files, including how to download them!

[Find out more and download data here](#)

This Week for Explore the Universe Online

Tuesday, September 15th

This one is an early start! Get up in the morning and see if you can catch the waning crescent Moon. It's a particularly satisfying phase because it's so hard to catch. If you get up around 6, you should be able to see it in the east right before sunrise. If you're careful, you should also be able to see it in the daytime for most of the day, west of the Sun.

Thursday, September 17th

Our next session! This week we'll be talking about the upcoming fall equinox and a little bit of everything else, including double stars, lunar targets and a conjunction next week!

Looking to observe Mars?

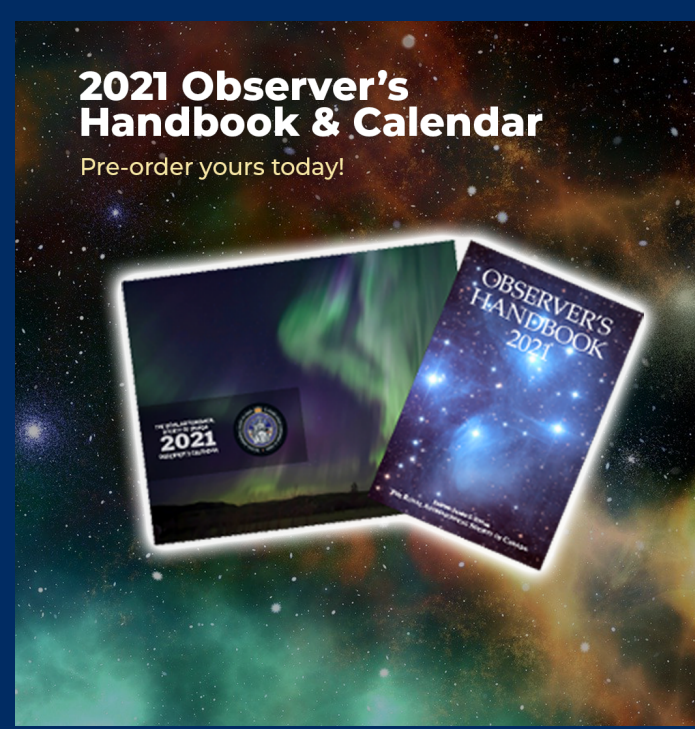
The Mars Opposition is coming up in October! Observer's Handbook Editor James Edgar has put together a few extra pages just about observing Mars. Check them out [here!](#)



Missed last session? That's okay!
Rewatch episode six on our YouTube Channel.

We host episodes once every two weeks at 3:30pm EDT on Thursdays. Find out more and register for sessions [here!](#)

The 2021 Observer's Handbook is now available for preorder. Get your very own copy of the astronomical reference book we have been publishing for over a century! The Observer's Handbook is internationally renowned, and our editorial team does a fantastic job with it every year. Order now in our estore!



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