Winnicentrics

Newsletter of the Winnipeg Centre of the Royal Astronomical Society of Canada

Upcoming events

June 5, 2016
New Moon

June 10, 2016
RASC Meeting BBQ at Gleanlea

June 12, 2016
First Quarter

June 20, 2016
Full Moon

June 27, 2016
Last Quarter

July 4, 2016
New Moon

July 8, 2016
RASC Meeting

July 12, 2016
First Quarter

July 19, 2016
Full Moon

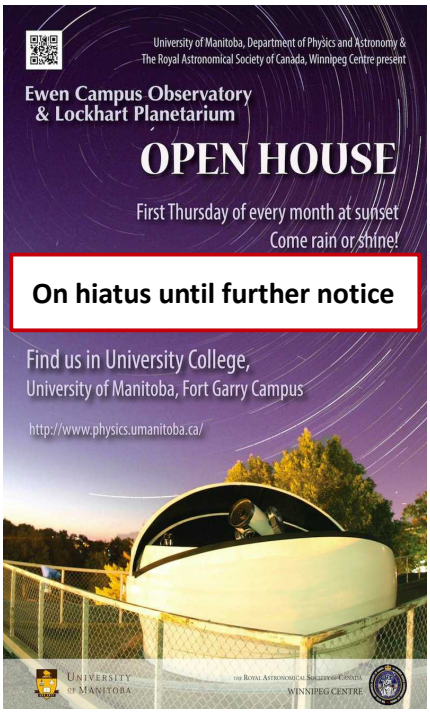
July 26, 2016
Last Quarter

August 12, 2016
RASC Meeting

September 2-5, 2016
RASC Spruce Woods Star Party

Regular meetings of the Winnipeg Centre are held in the Robert B. Schultz lecture theatre in St. John's College at the University of Manitoba. The theatre is on the lower (basement) floor of the College. Meetings are held on the second Friday of each month from 7 p.m. to 10 p.m. After the meetings, members who wish to do so usually retire for pizza and more conversation about astronomical subjects.

The June meeting is not held at St. John's College but is instead a barbeque at either a member's house or at Glenlea. Meeting dates and meeting places may be adjusted during exam times and during Bomber home games or stadium events.



June Meeting Schedule

Winnipeg Centre Officers & Volunteers

President:
Jay Anderson
Vice-President:
Brenden Petracek
Secretary:
Bryan Stach
Treasurer:
Stan Runge
Past President:
Andrea Misner
Councillors:
Jennifer West
Kevin Galka
Ralph Croning
Meghan Ostrum
Mick Rice
National Representative:
Rolando Martin
Dennis Lyons
SWSP Organizer:
Silvia Garca
Webmaster:
Julius Lopez-Garcia
Winnicentrics Editor:
Meghan Ostrum
megostrum@gmail.com

June meeting will be a BBQ at Gleanlea beginning at 7pm.

July and August meetings will begin at 7:30pm. There will be no beginners session.

There will be one newsletter for July and August sent out during the end of June.

This year's star party will be held September 2nd to 5th. Three great nights of observing under pristine dark skies! Also included are tours, talks and a banquet to help you advance your knowledge of astronomy! As a bonus, Manitoba Parks is offering free park entry for the long weekend!

For more details, check the star party webpage at http://winnipeg.rasc.ca/spruce-woods-star-party/ or the event page at http://winnipeg.rasc.ca/event/spruce-woods-star-party-2016/.

See you all at Spruce Woods Provincial Park on the September long weekend!

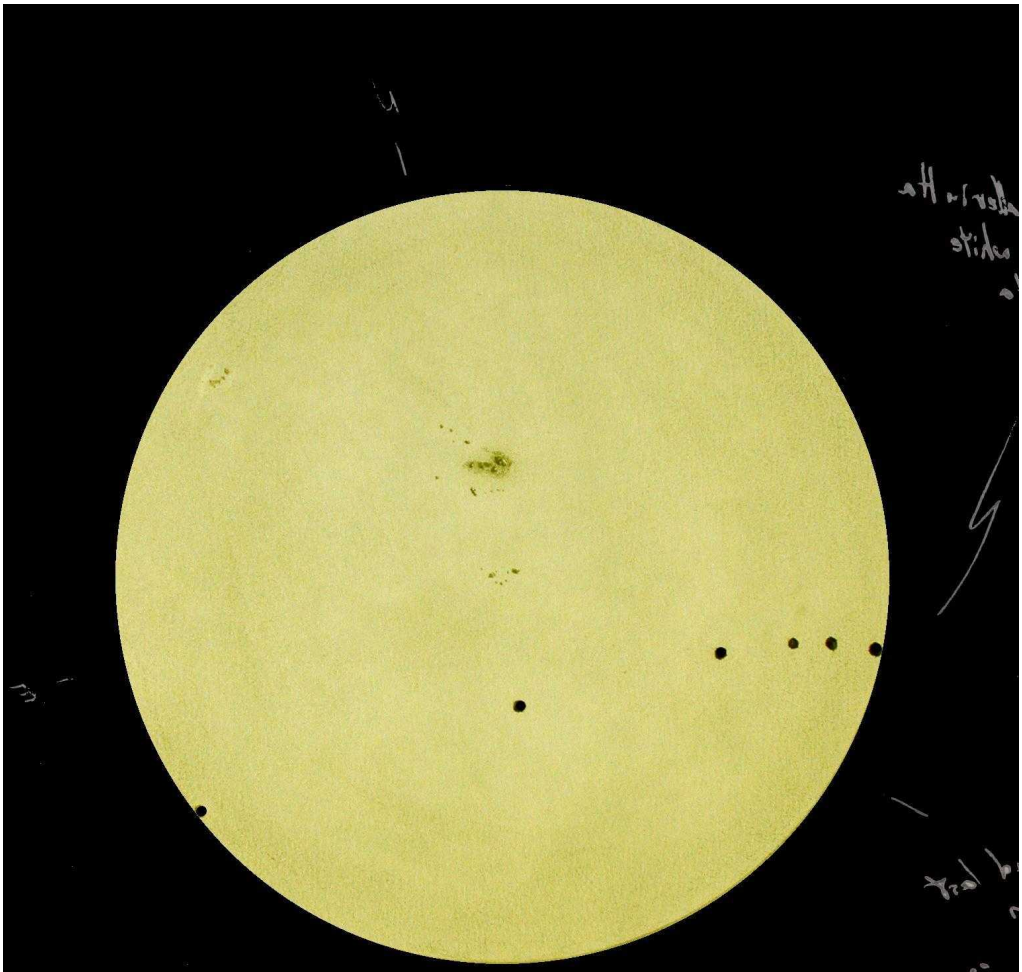


Photo above: Transit of Mercury sketch.

Photo by: Gerry Smerchanski

Photo below: Transit of Mercury.

Photo by: Kevin Galka

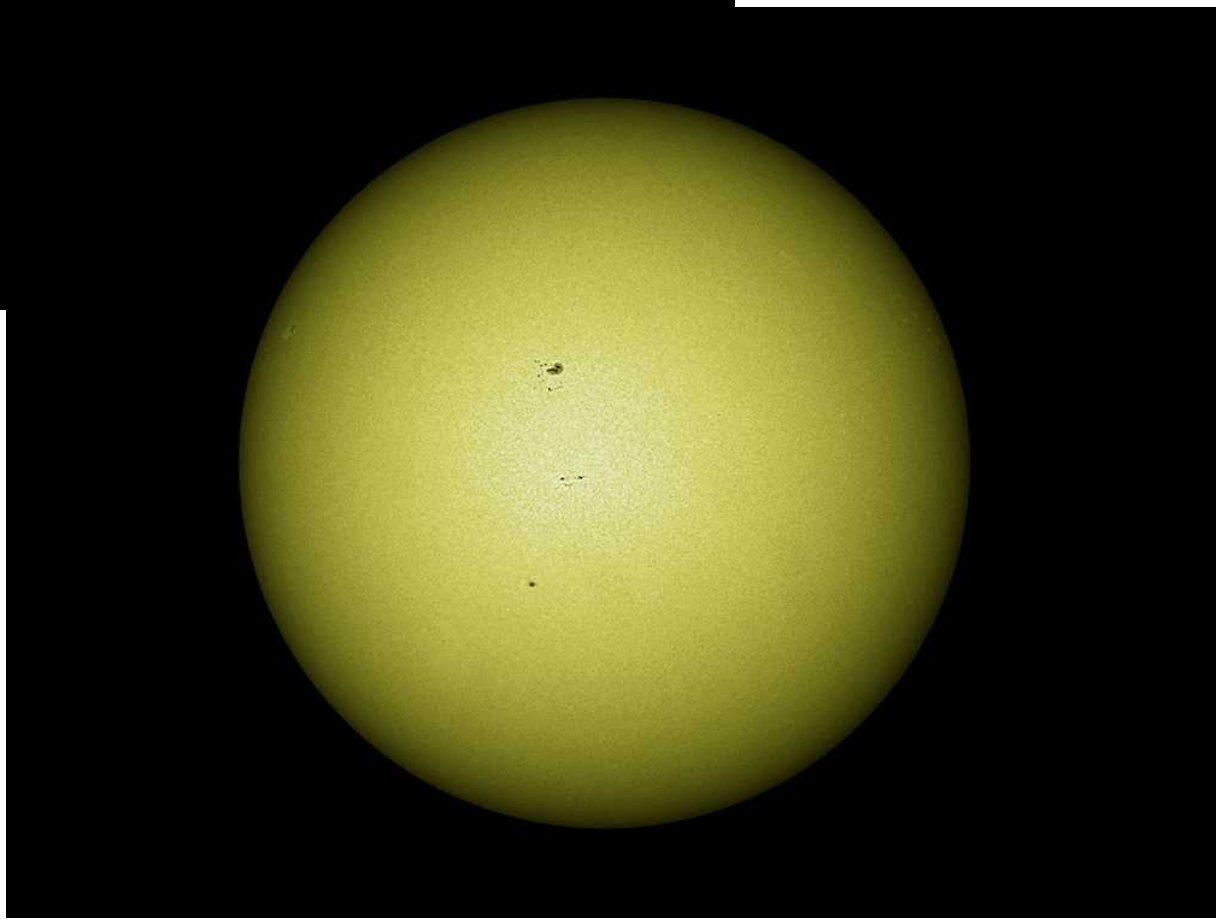


Photo above: Transit of Mercury and ISS

Photo by:Trevor Bryant

Photo below: Transit of Mercury

Photo by:Brian Renaud

Photo above: Morning Sun.

Photo by: Bhagwan Thadani

Photo below: Occultations

www.harvestmoonorchard.com/astro/occultations/June_Asteroids.html

727 Nipponia occults TYC 5020-00438-1 on 2016 Jul 25 from 3h 59m to 4h 16m UT

Star:
Mv = 9.1 Mp = 10.8 Mr = 8.2
RA = 15 36 43.4723 (J2000)
Dec = - 2 49 34.364 ...
[of Date: 15 37 36, - 2 52 36]
Prediction of 2016 Apr 8.2

Max Duration = 3.5 secs
Mag Drop = 5.6 (6.1r)
Sun : Dist = 109 deg
Moon: Dist =135 deg
: illum = 70 %
E 0.030"x 0.028" in PA 76

Asteroid:
Mag =14.7
Dia = 35km, 0.021"
Parallax = 3.817"
Hourly dRA = 0.507s
dDec =-20.02"

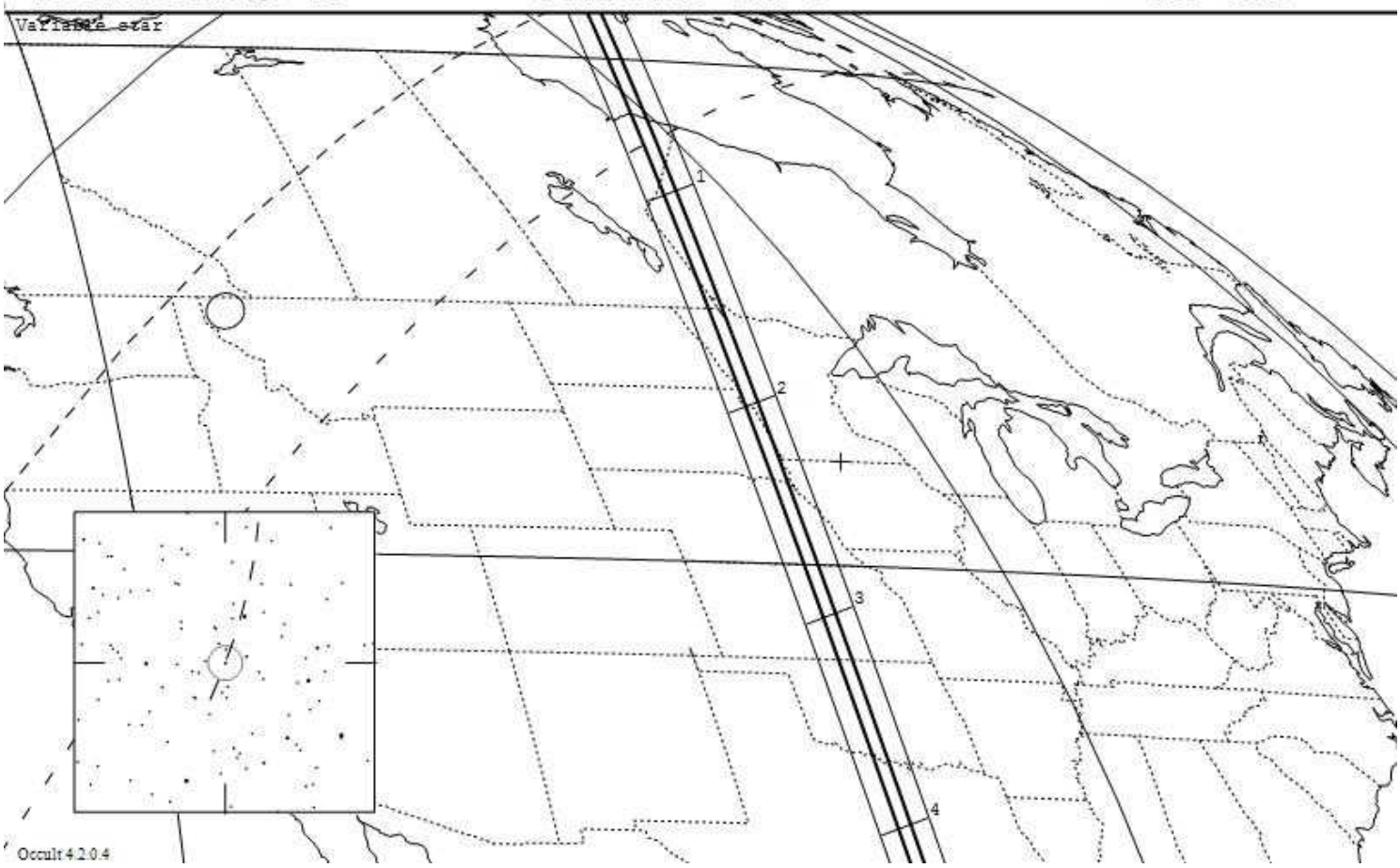


Photo above: M5 - old C11, focal reduced to f6.3, Canon XSI maxed out to 1600 ISO Byeos. 30 subs of 180", with darks, flats, biases.

Photo by: Mark Irvine

Photo below: The 10.5 billion year old globular cluster (NGC 6496) is made up of heavy metal stars. These stars are made up off elements heavier than hydrogen and helium. This cluster is located in the southern constellation Scorpius the Scorpion and was discovered in 1826 by James Dunlop.

www.astronomy.com/news/2016/06/hubble-spots-heavy-ancient-metal-filled-stars-pulsing-away

Photo above: M13
Photo by: Gordon L Snarr

Photo below: M16
Photo by: Richard Konrad

Photo above: Milky way - 66 secs, 3200iso, lens at 34mm, canon 550d,sigma lens, ioptron tracker.
Photo below: Mars, Saturn, Antares region - 97 secs, iso 3200, f/4, lens at 53mm tracked on an Ioptron.
Photos by: Dave Moug

Photo above: Antares and Mars
Photo below: M88

Photos by: Kevin Galka

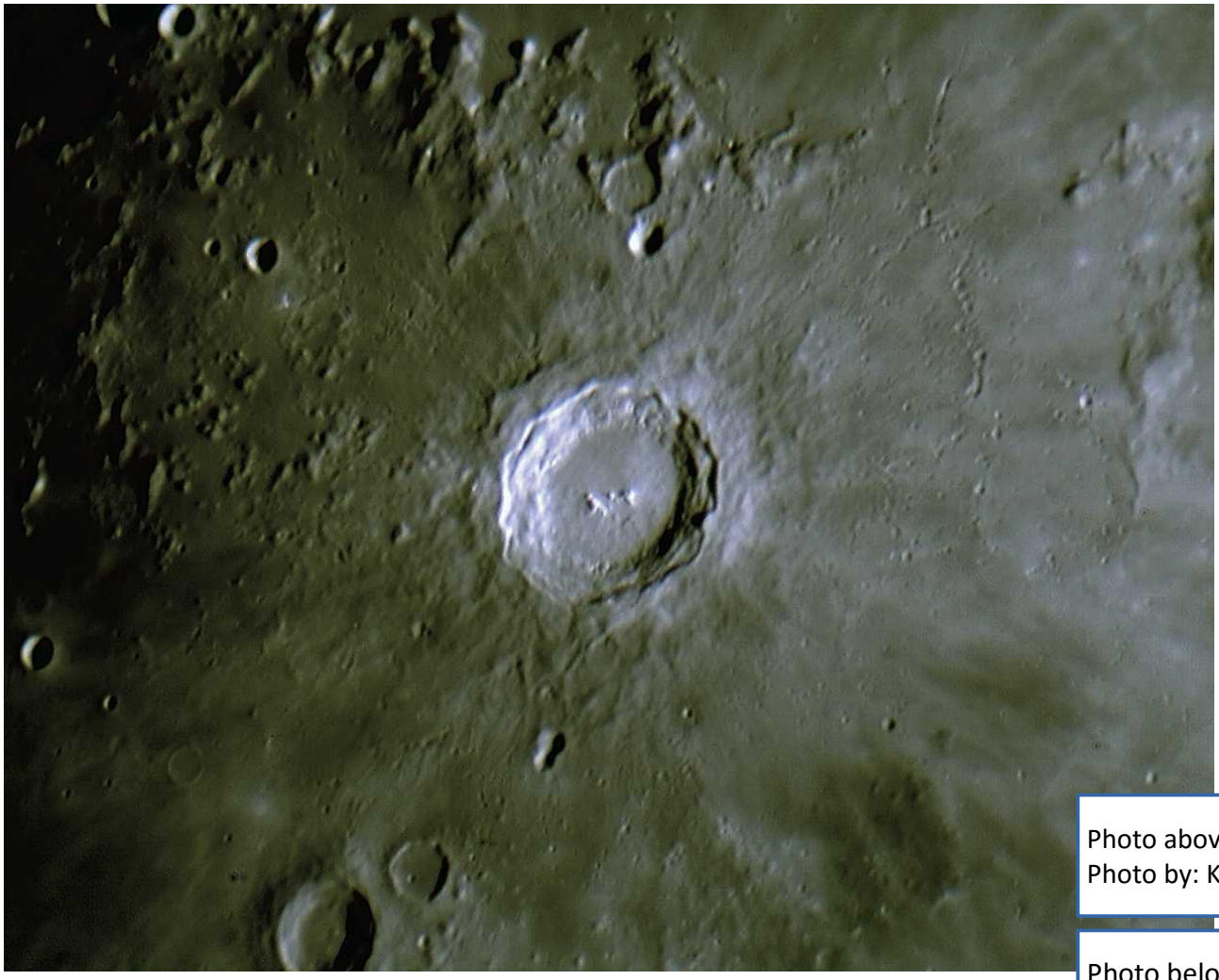
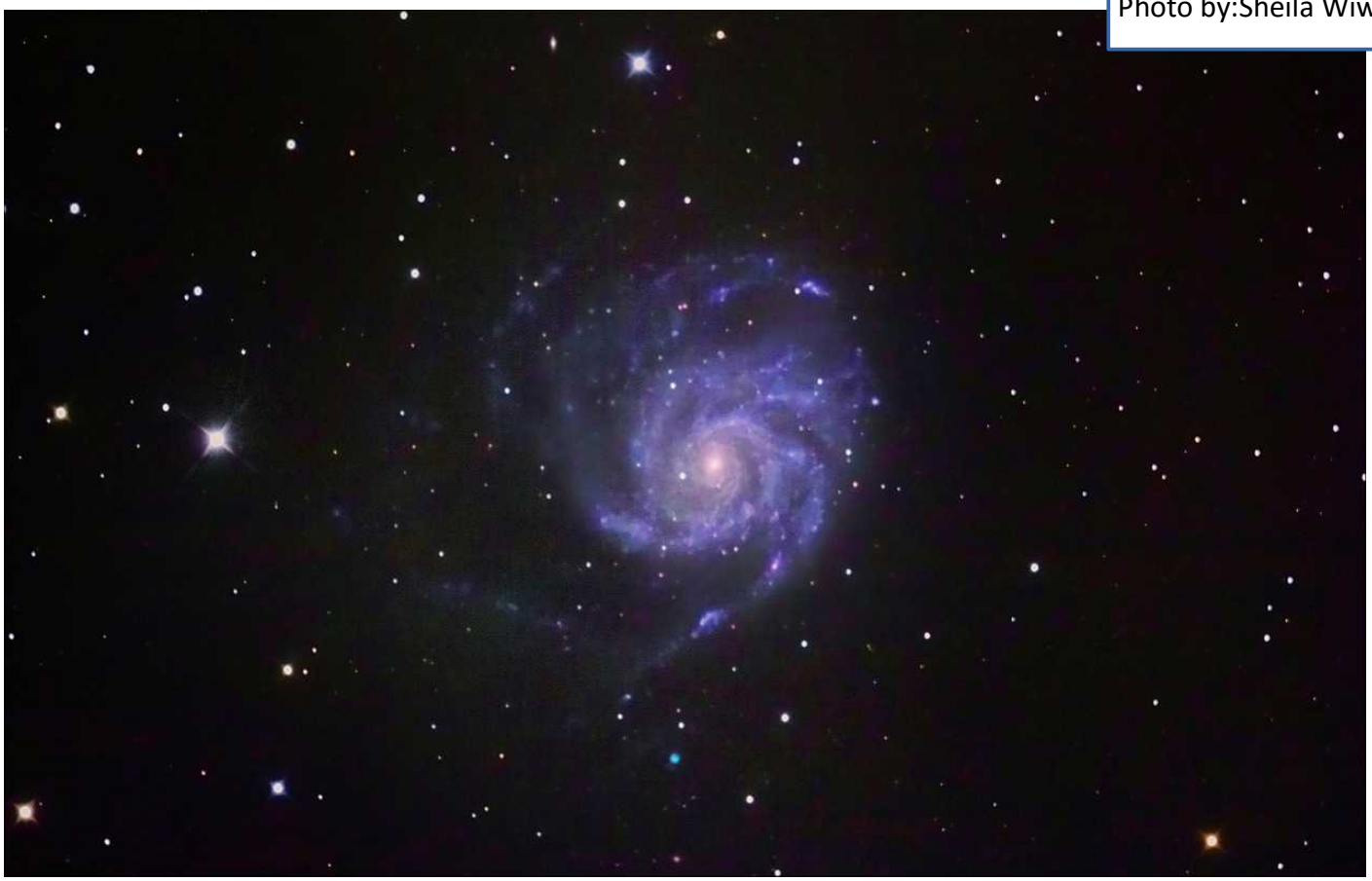


Photo above: Copernicus
Photo by: Kevin Galka

Photo below: M101
Photo by:Sheila Wiwchar



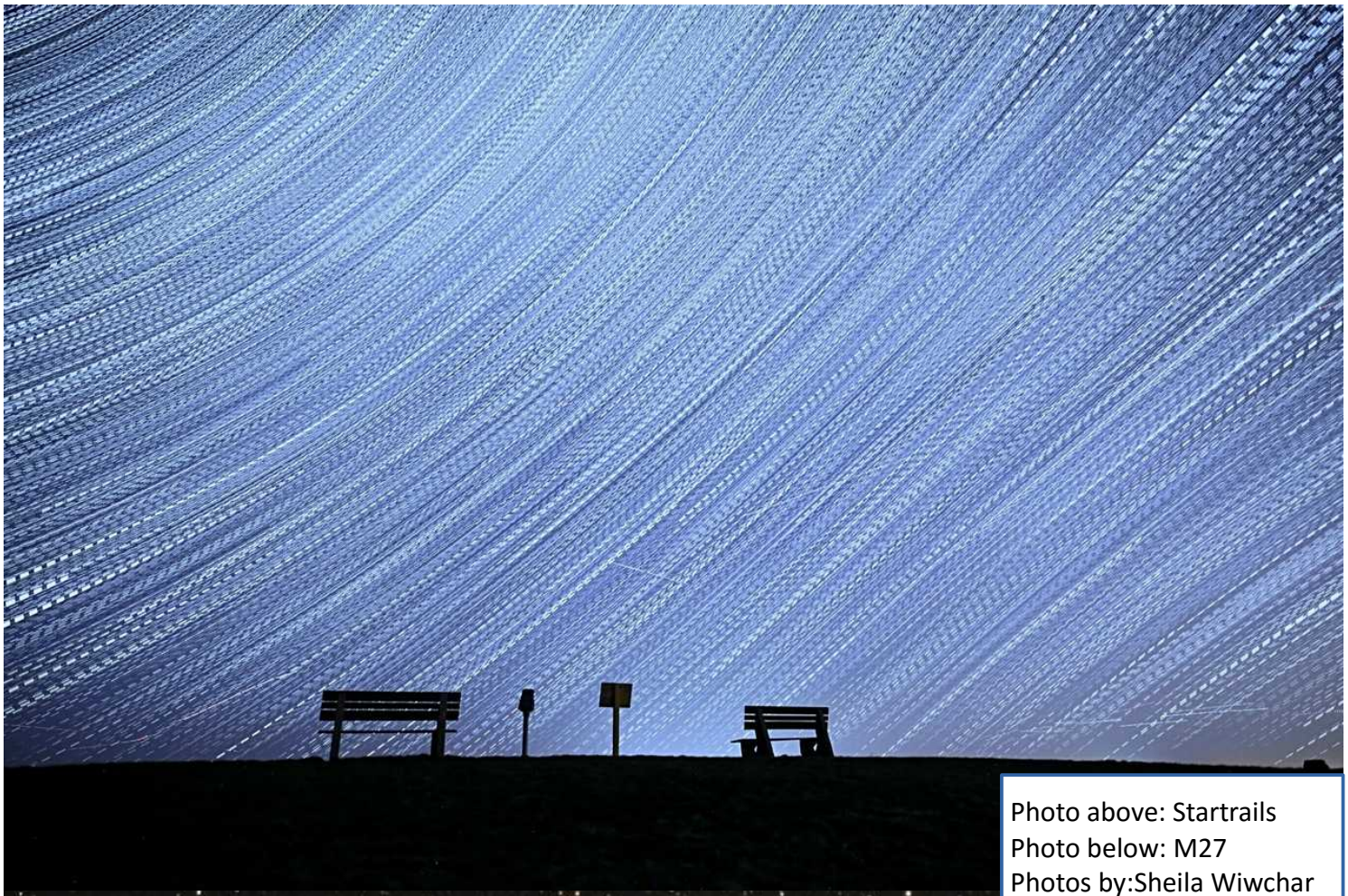


Photo above: Startrails
Photo below: M27
Photos by:Sheila Wiwchar