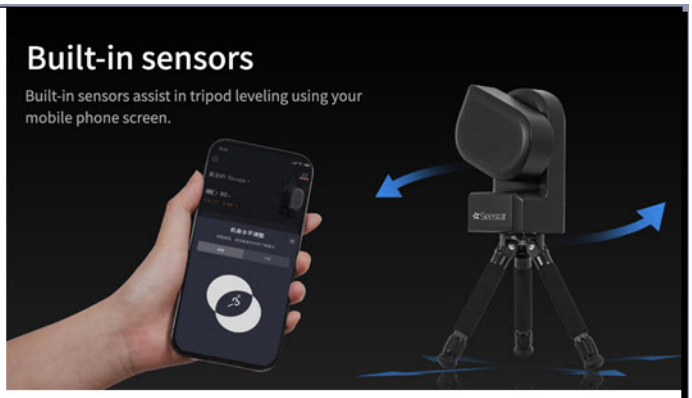
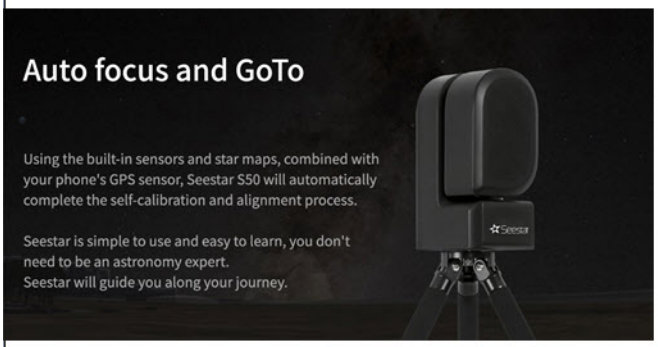
November Members Images

£539

Seestar S50 integrates a telescope, electric focuser, astronomical camera, ASIAIR intelligent controller, altazimuth mount and filter switching device into a single unit, with a body weight of only 3 KG.

With the use of a mobile app, it allows for easy capturing of sky objects such as the Sun, Moon, galaxies and nebulas.





Weighs 3 Kg

Ideal for travel.

Will produce simple images of bright Nebulae but works on Alt/Az mount to not suitable for really long exposure time due to outer star rotation

So lets see a few images taken with it.

M52

2mins

M76 Little Dumbbell

1 min

Robert Phillpot with the Seestar S50

M31
Andromeda
Galaxy

3mins

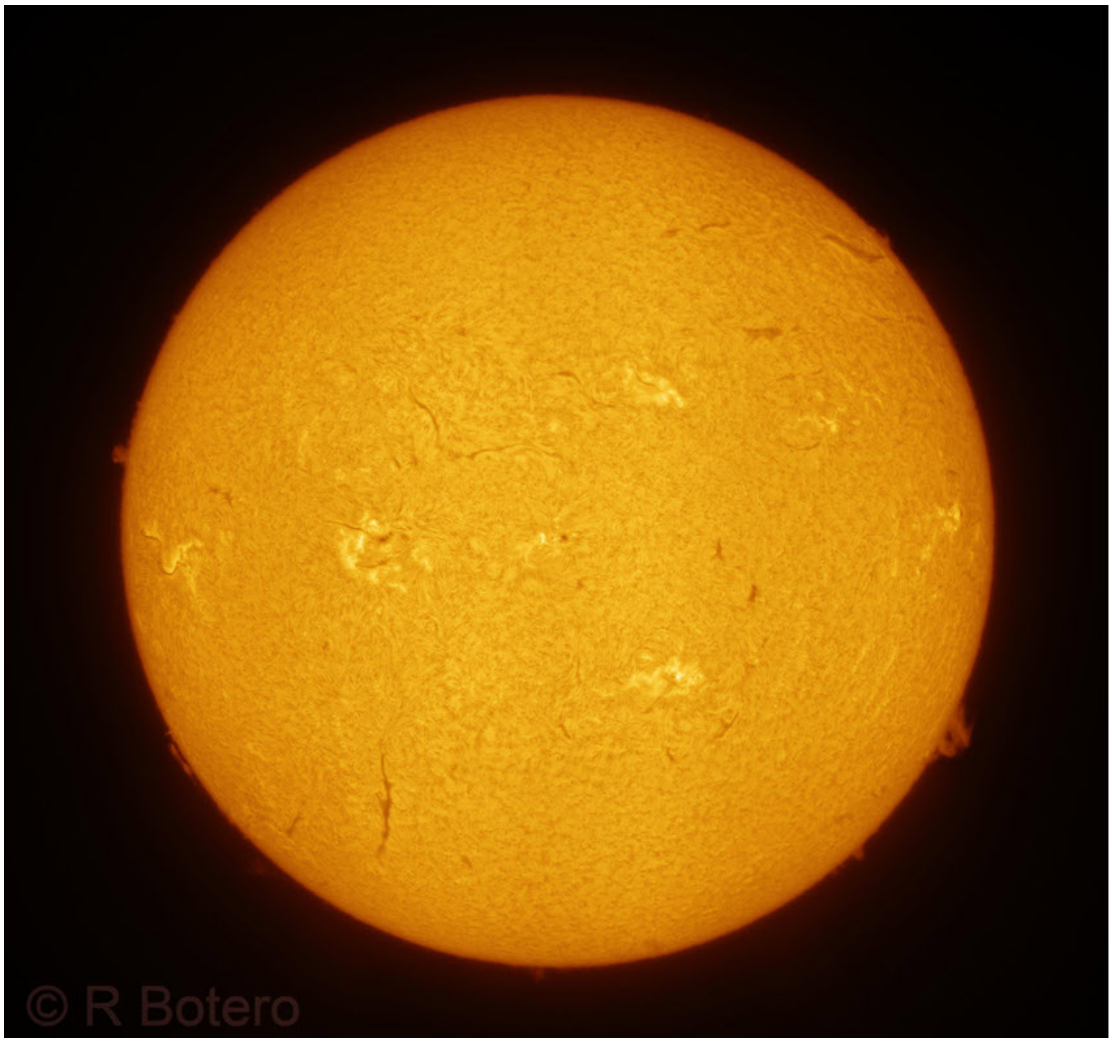
M42 60mins

NGC281 – Pacman

13mins

Robert Phillpot with the Seestar S50

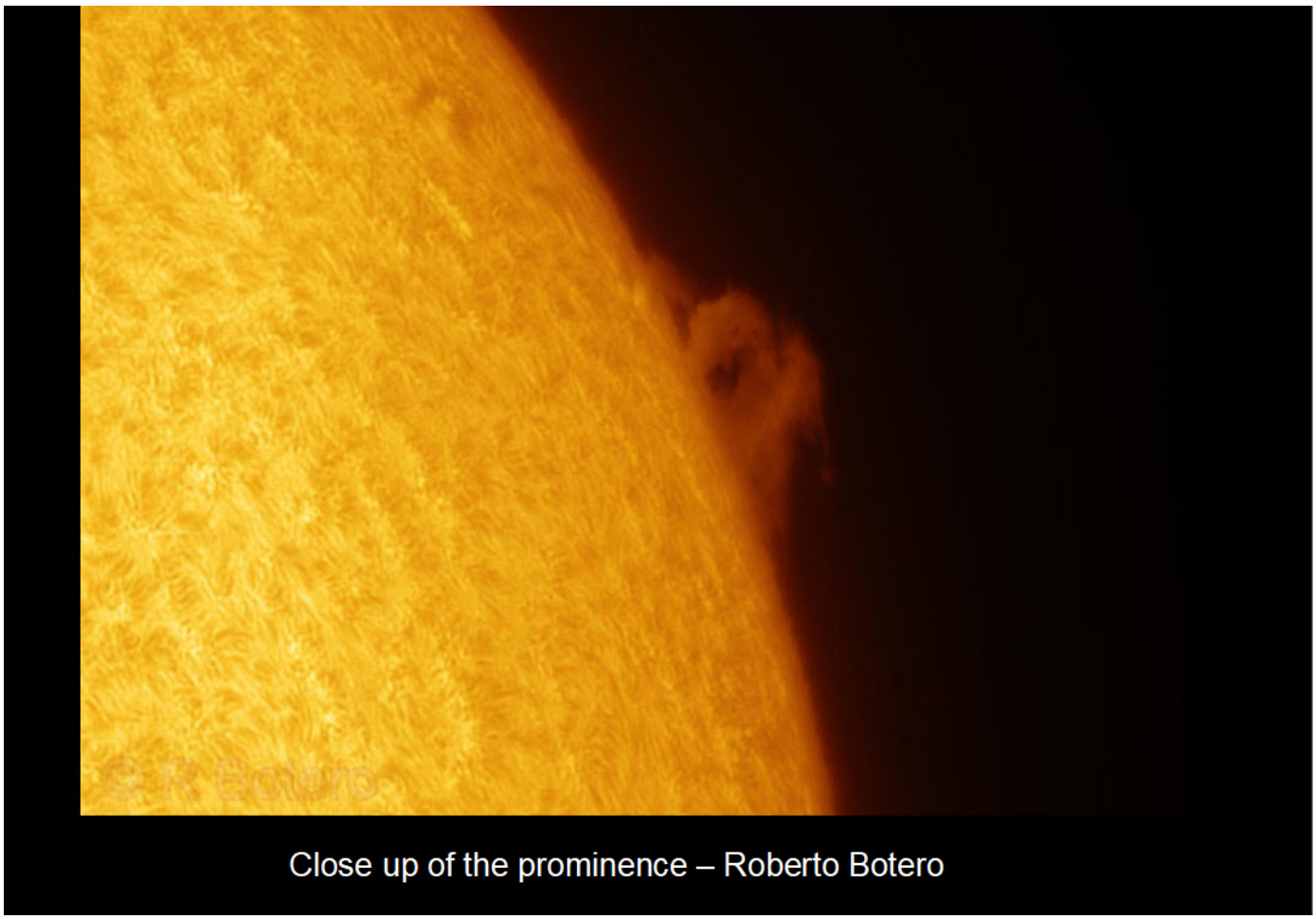
Rick Summerfield with his Smart scope



Panorama of the Sun (6 panels)

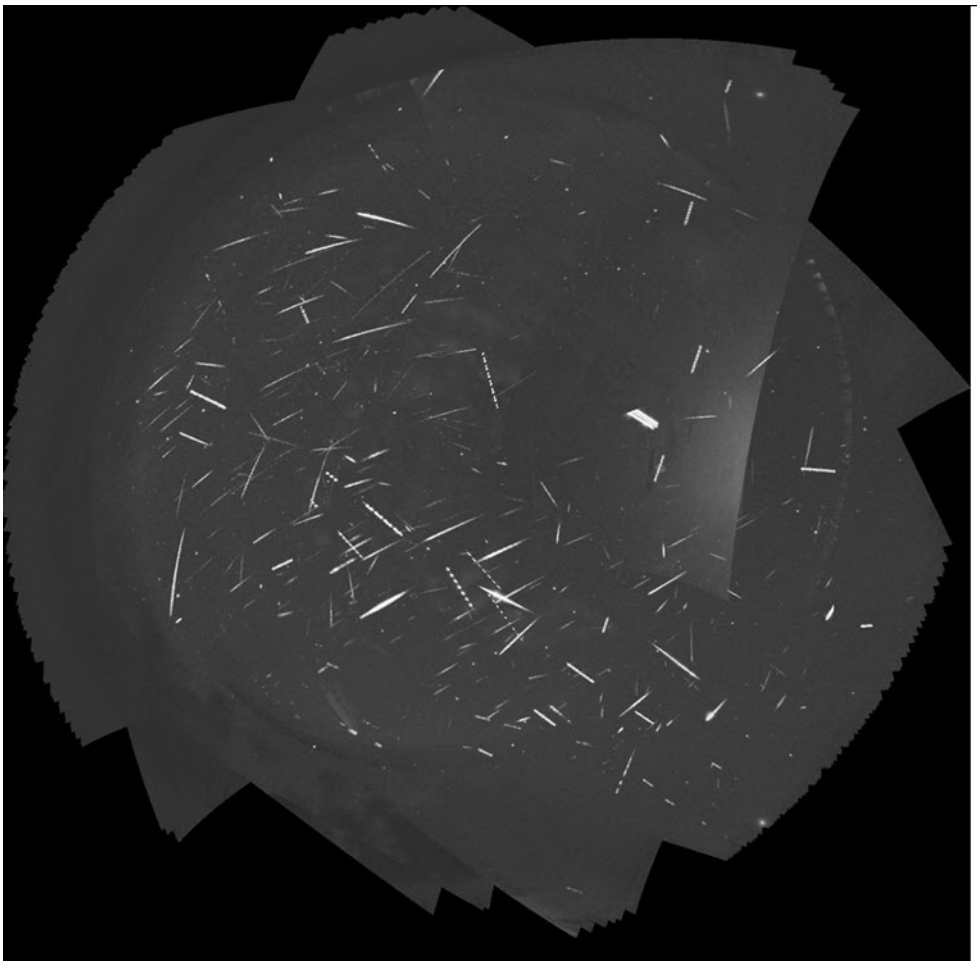
Taken on 15th October

Roberto Botero



Close up of the prominence – Roberto Botero

vdB 14, vdB 15 & Sh2-202 and plenty of **LDN**s in Camelopardalis
Taken over 7 nights – totalling 30 hours 15mins – **Roberto Botero (Petts Wood)**

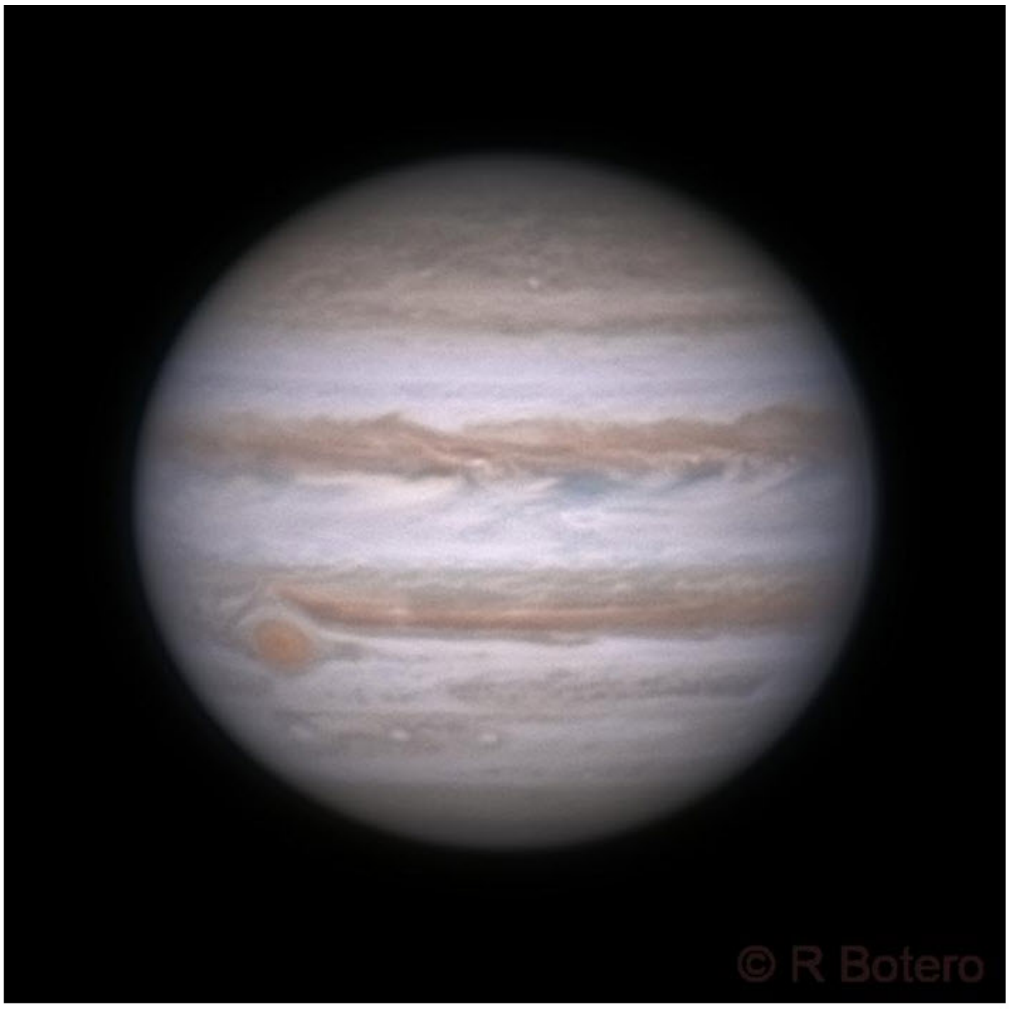


Orionids Maximum

Rick Hewitt

21st to 22nd October, 2023

Comprising of Orionids, Taurids, Geminids, Leonis Minorids, Chi Taurids and 44 sporadics.



Roberto Botero – there is also a video on the forum of Io emerging

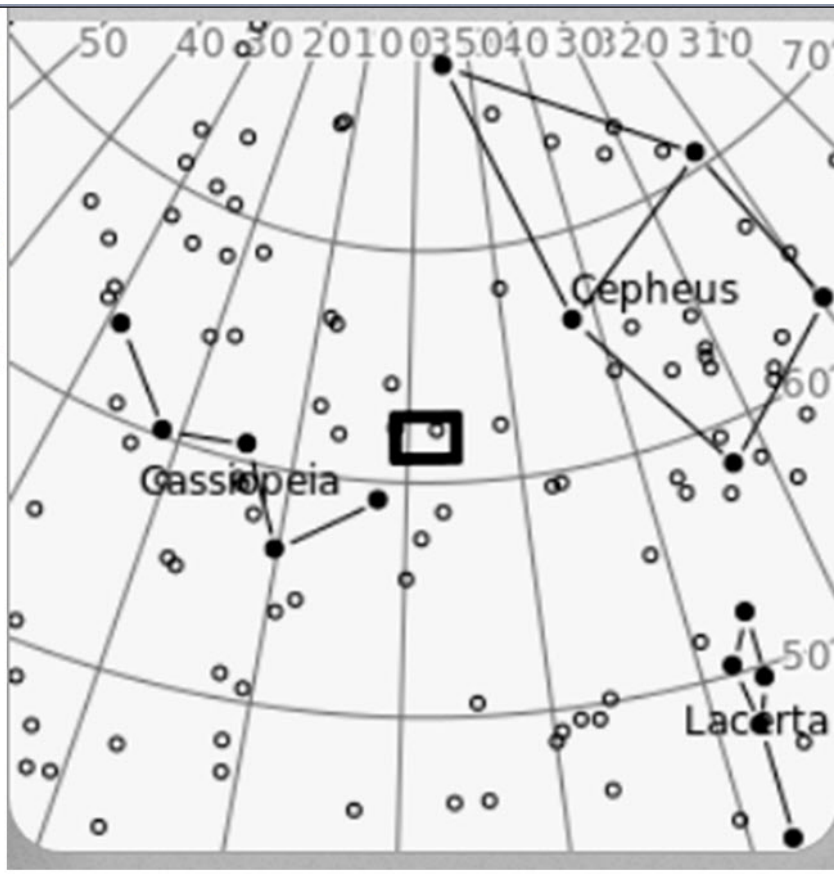
Abel85 and King12 in Cassiopeia.

Using old Ha and Oiii data from 2017 and adding some LRGB to it.

Total of 38 hours!!! - Roberto Botero

Supernova remnant

Approx 9800 ly

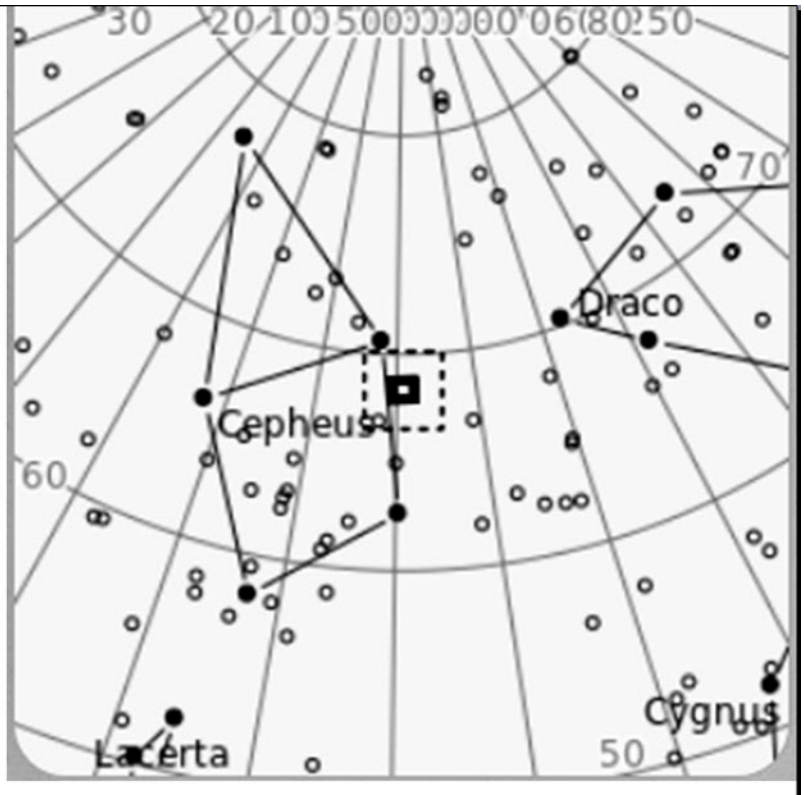


Rick Summerfield

Praying Ghost VDB141 1h 50m from 2022 combined with 4h 50m data in a wide field image from 2013 - Total 6h 40mins – Carole Pope

Reflection nebula in Cepheus, close to the Iris nebula

1470 ly



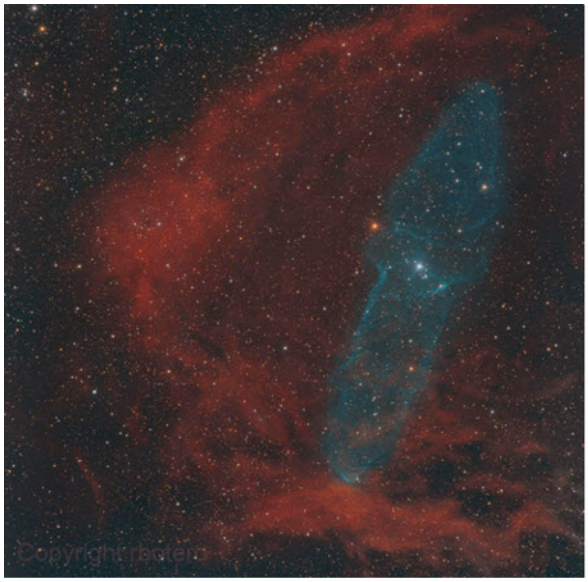
Sh2-129 and OU4 - 2020 and 2017 data and a reprocess with new processing tools.

AKA the Flying Bat and Squid.

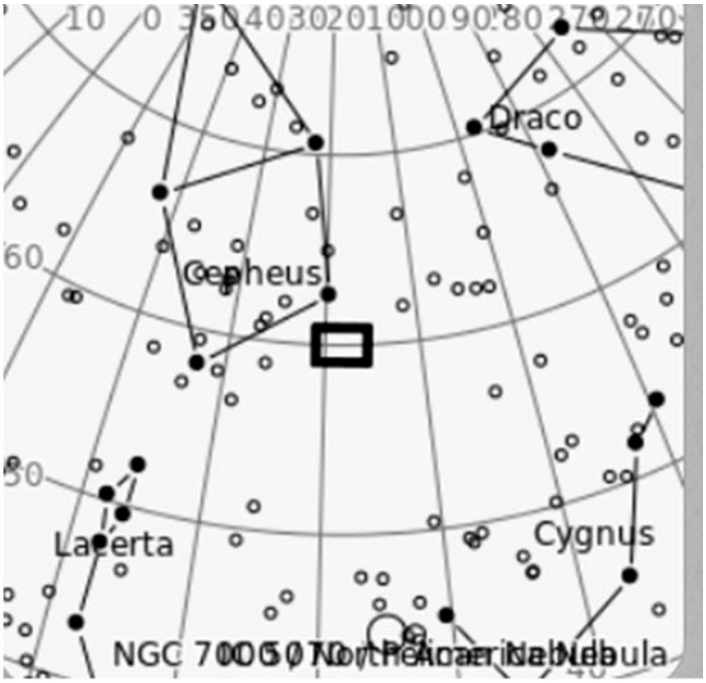
Ha is 5hrs
OIII is 14.5hrs from 2017 and RGB 4hours
Total 23.5hours

Roberto Botero

The Squid is only in Oiii and was discovered in 2011 by a French amateur astronomer Nicolas Outters - hence the catalogue number OU4



I took the liberty of stretching Roberto's image as wasn't sure if the Squid would show up on the projector, to show what a great image it is – especially from Petts Wood.



It seems that Ou4 is not a planetary nebula, but a more exotic structure (as a result of a bipolar outflow). It is possibly emitted from the star in the centre of it, which is actually a triple system of stars (HR 8119), but it may be a result of as yet undiscovered protostar or a post-AGP star. The object is very faint and shows up only when photographed for an exposure time through an OIII filter and is, therefore, usually represented in a greenish or bluish (or teal) tone.

Ou4 occupies a relatively large portion of the night sky (2.5 full moons).

Sh2-132 Lion Nebula – combined data from 2018 (DSC) and 2023 (Bromley)
Carole Pope - Total imaging time Total imaging time 12 hours 50 mins

North America and Pelican Nebulae (NGC7000 & NGC5070 – Fay Saunders

6 x 300 = ½ hour using lots of new equipment: ASI Air Plus, ASI224MC guiding, ASI2600MC Pro Imaging, Optolong L-enHance filter Samyang 135 F2 Lens and a Samsung Galaxy Tablet

Orpington Bortle 7/8 with limited FOV due to trees.

Rosette and Cone Nebulae

NGC2264 and NGC2244

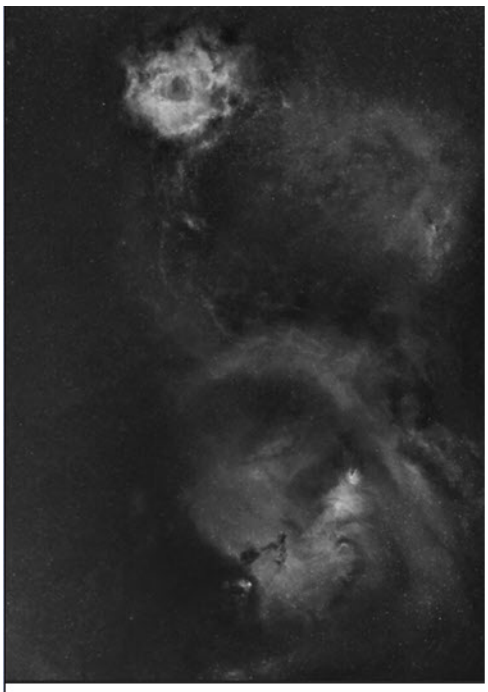
Taken In January 2023

Fay Saunders

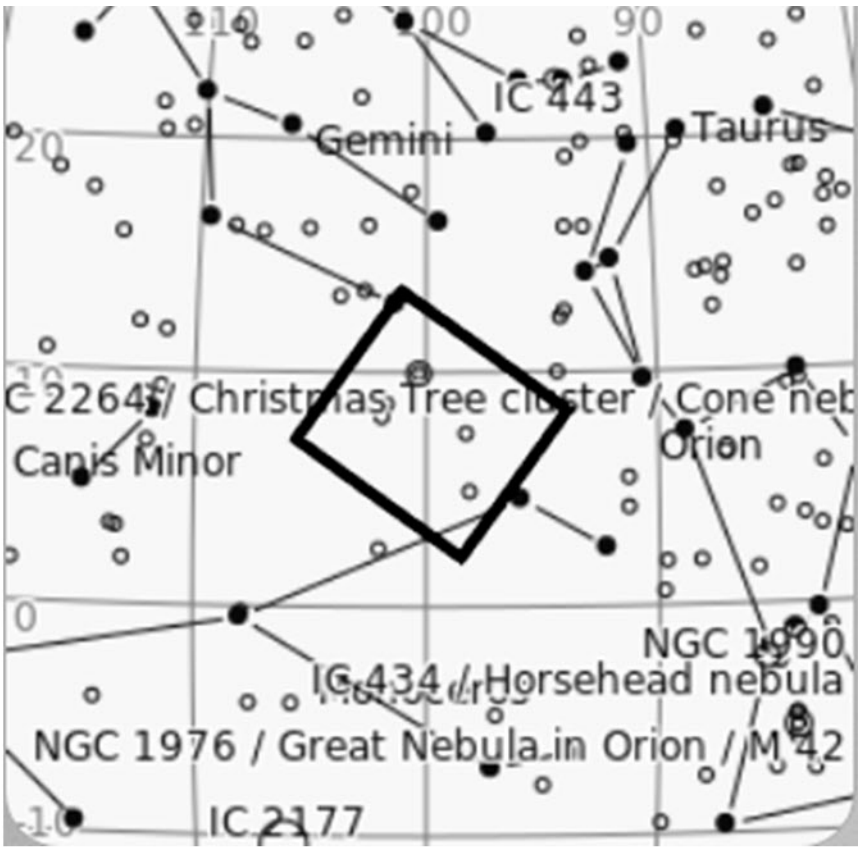
Orpington Bortle 7/8 with limited FOV

25x300 = just over 2 hours

QSI camera with 5nm Astrodon Ha filter, Samyang 135 lens F2

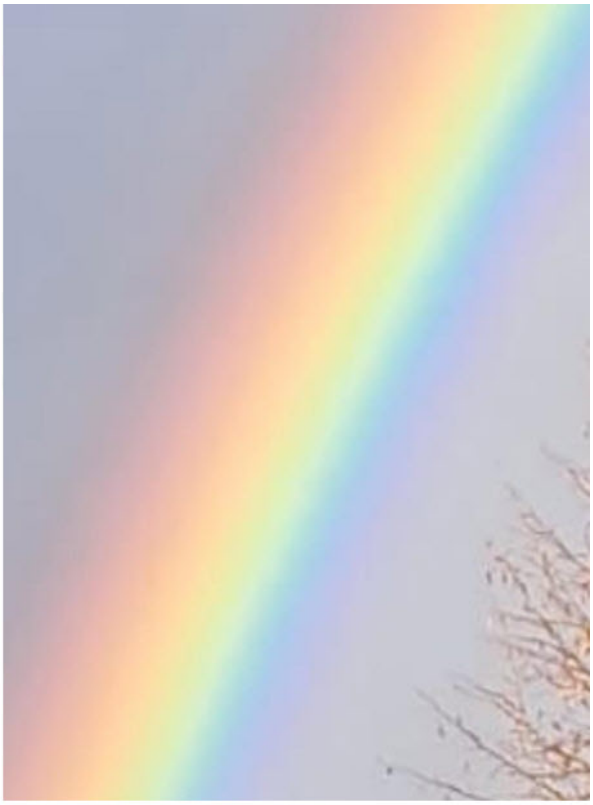


In Monoceros

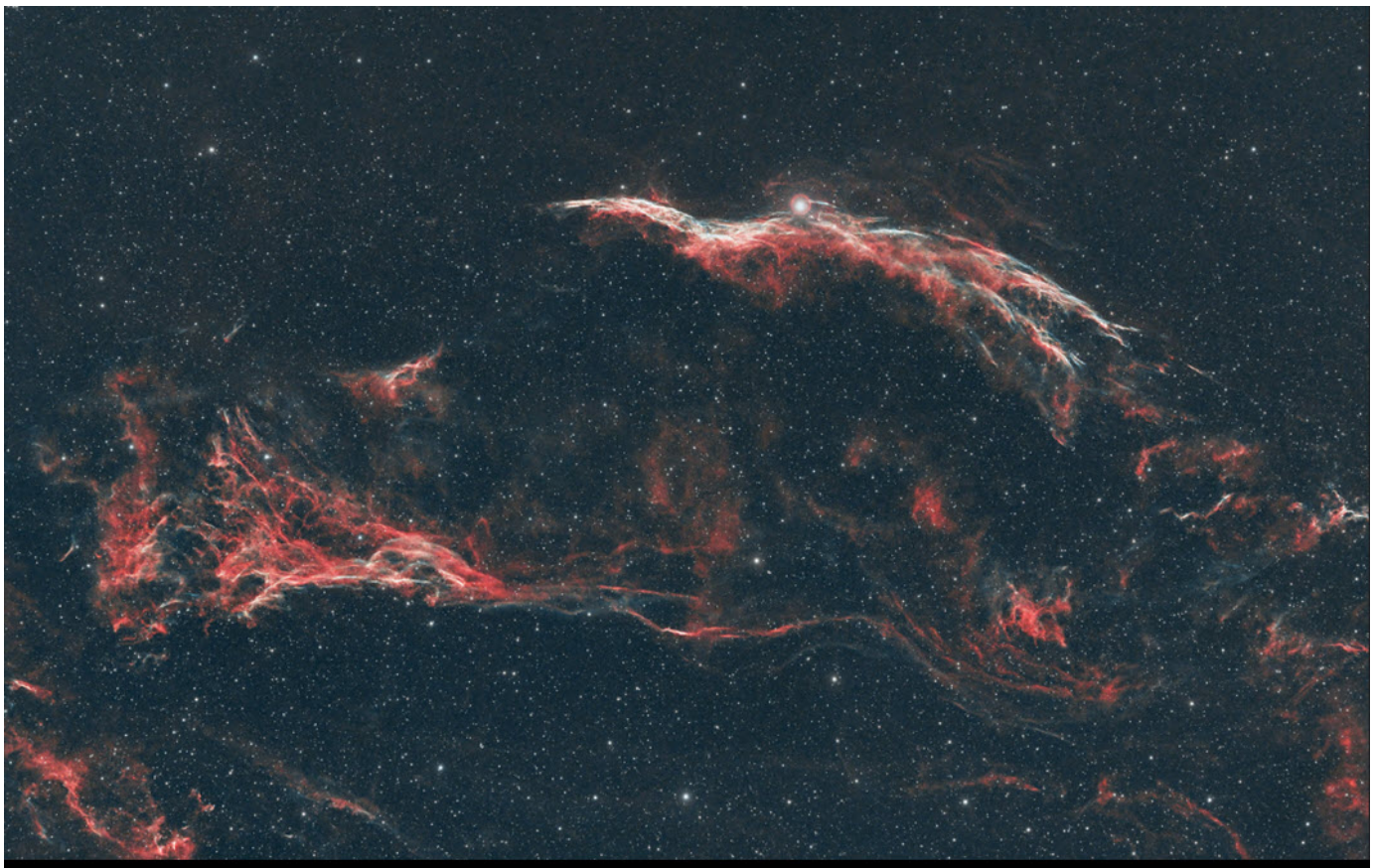


Rosette Approx 5000 ly

Cone Nebula Approx 2700 ly

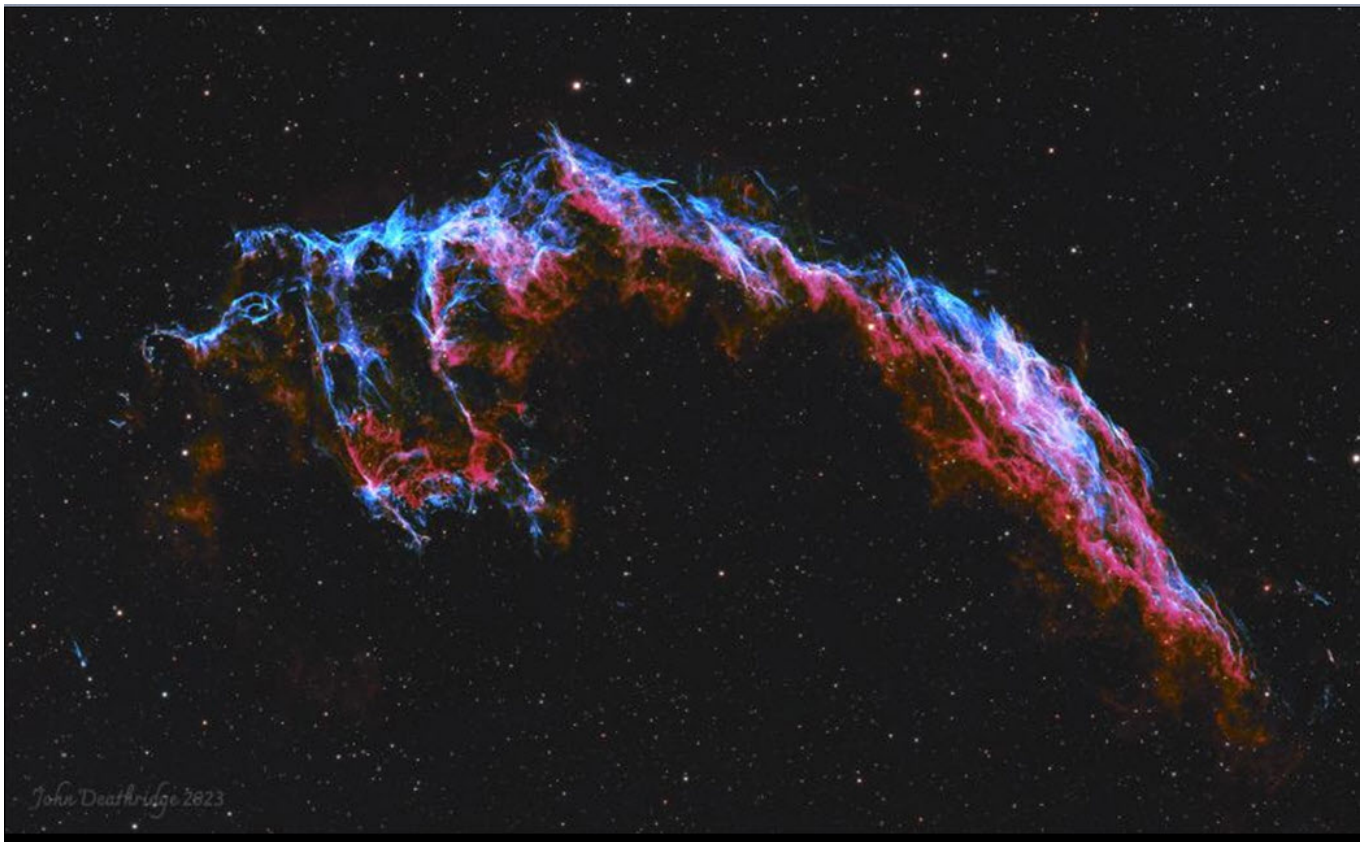


Rose from her front garden in Farnborough



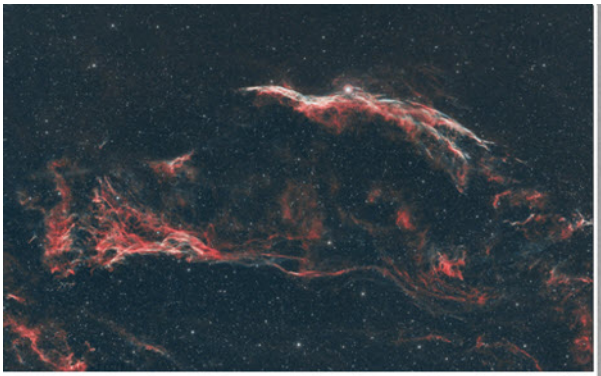
NGC6960 Western Veil – Fay Saunders (1 hour 50mins)

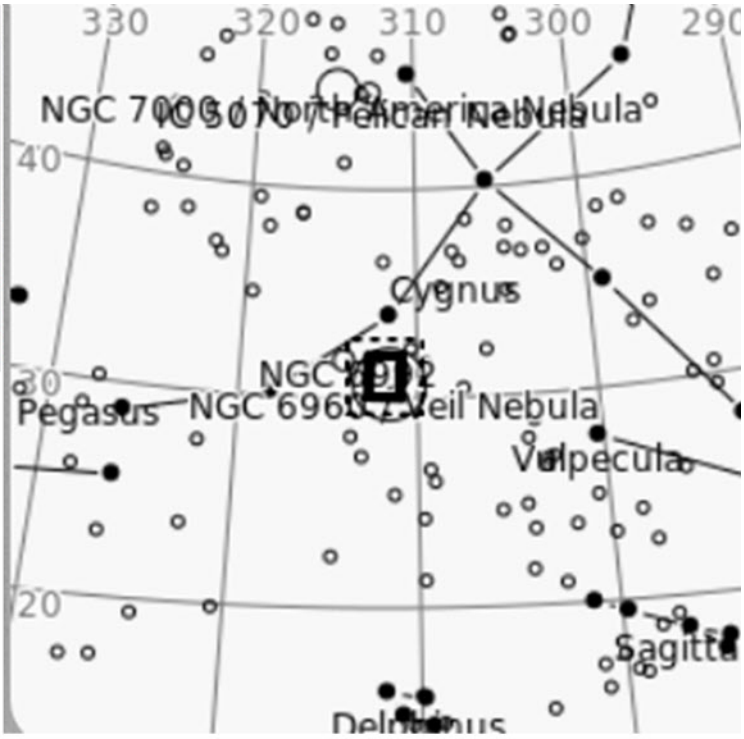
also Pickering's Triangle (Orpington)



Eastern Veil Nebula also in the Veil Complex - John Deathridge (Bortle 4)

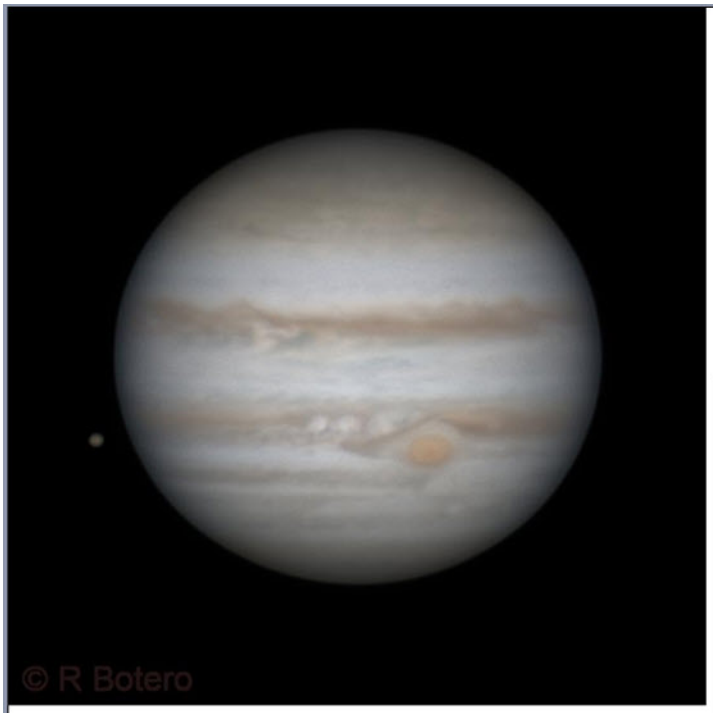
13 hours using an Optolong L-Ultimate dual-3nm filter in HOO





2 parts of the Veil Nebula, and expanding Supernova remnant in Cygnus,

Pickerings Triangle was actually discovered by Scottish **Williamina Fleming** in 1904 but as was the tradition in those days the credit went to the director of the Observatory Edward Charles Pickering



Jupiter and Io
6 November 2023

Roberto Botero

And another about ½ hour later

Plus a video on the Forum

Andromeda Galaxy, M31 – Roberto Botero
taken with a OSC camera over 12 ½ hours from Petts Wood.

Any images done in the week before the meeting will appear in the next issue.