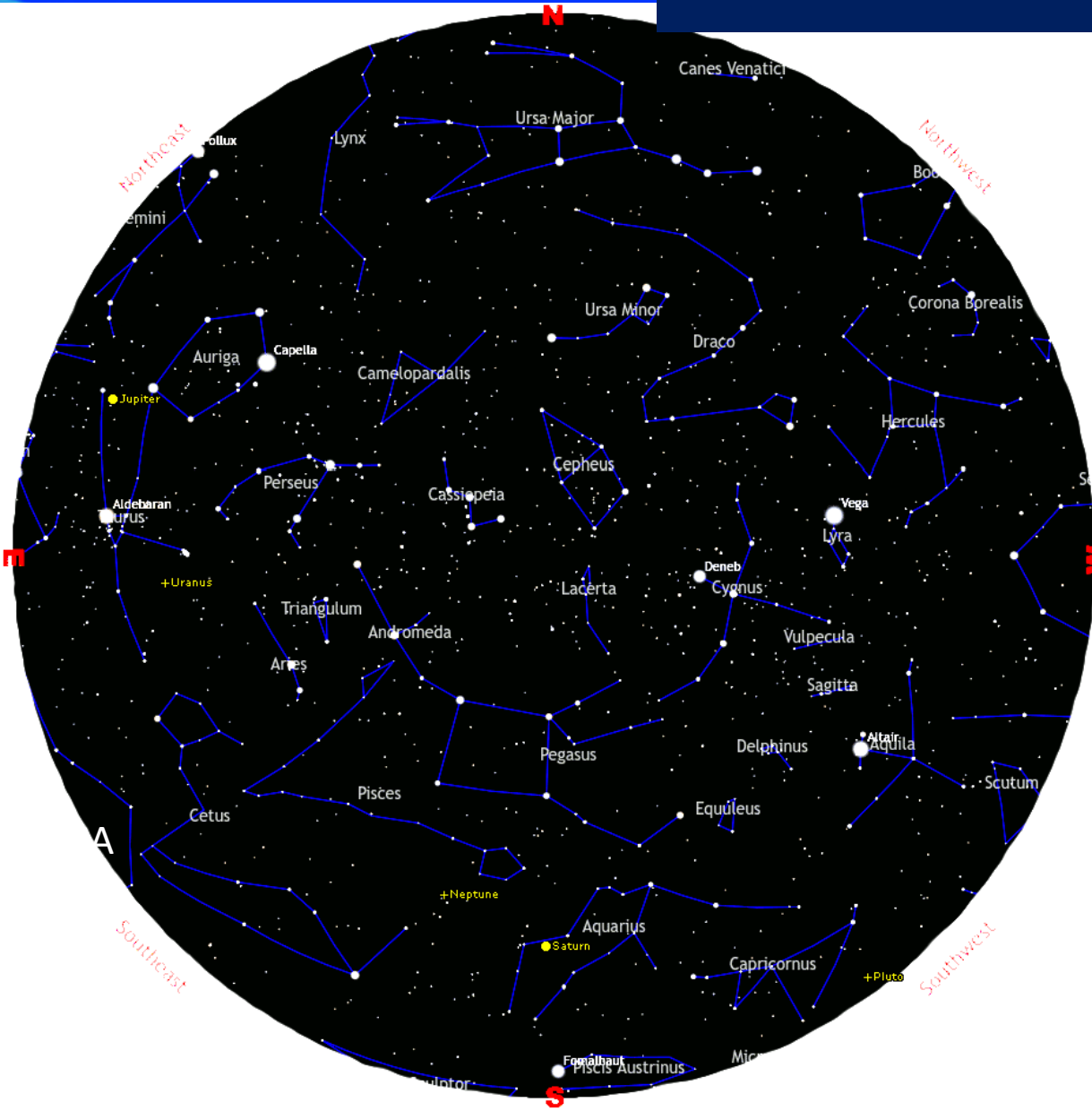


What's on Oct/Nov 2024

by Tony Cook



Night Sky: Late Oct @ 9PM BST

Mercury sets 18:30BST-16:40UT

Venus sets 19:20BST-18:00UT

Mars rise 23:00BST-21:00UT

Jupiter rises 20:50BST-17:50UT

Saturn sets 04:00BST-01:00UT

Uranus rises 19:20BST-16:20UT

Neptune sets 05:20BST-02:20UT

Useful

http://britastro.org/computing/applets_ecliptic.html

This chart has come from:

<http://astronomynow.com/uk-sky-chart/>

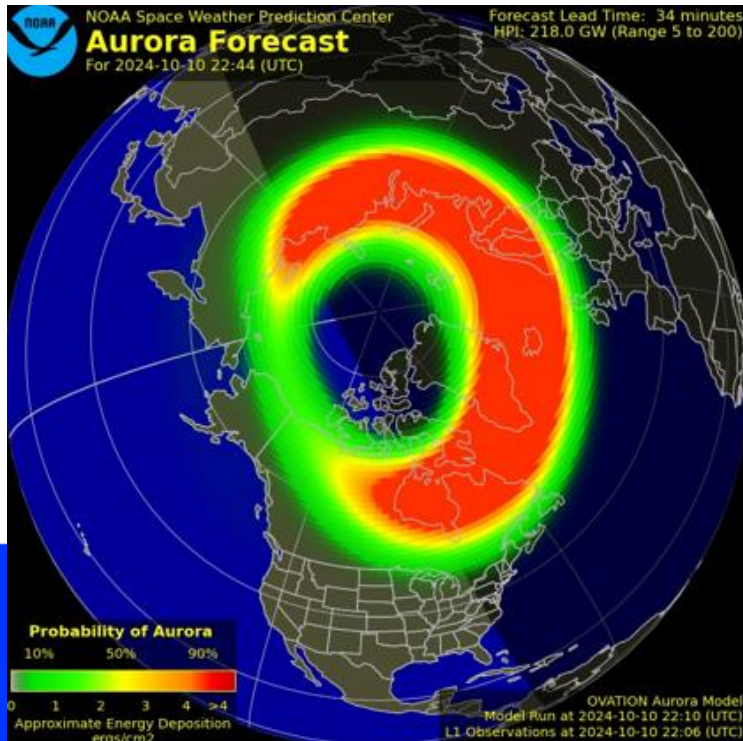
Aurora / Satellites

Aurora: Keep on watching the spaceweather.com web site – if you see green & especially red) approaching Scotland – go outside and look north!

See: <http://spaceweather.com>

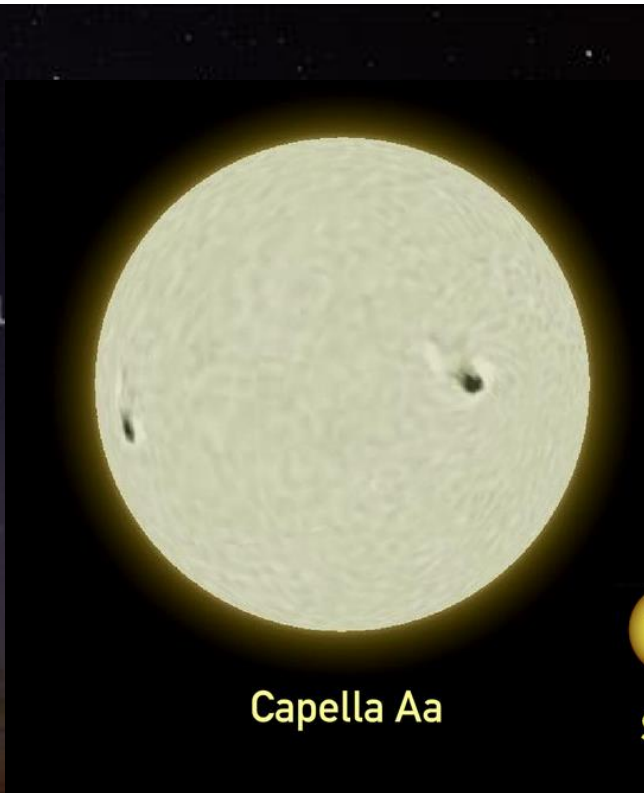
Satellites: Keep a check on the Heavens Above website (Times are in GMT): This tells you when exactly the ISS or other bright space orbiting objects will be passing overhead

<http://www.heavens-above.com/>



Date	Brightness (mag)	Start			Highest point		
		Time	Alt.	Az.	Time	Alt.	Az.
16 Oct	-0.5	06:59:01	10°	SSE	06:59:47	11°	SE
18 Oct	-1.3	06:56:40	10°	SSW	06:59:15	21°	SSE
19 Oct	-1.0	06:08:58	10°	S	06:10:56	15°	SE
20 Oct	-2.4	06:55:32	10°	SW	06:58:37	37°	SSE
21 Oct	-2.0	06:08:07	16°	SSW	06:10:07	27°	SSE

Constellation of the Month: Auriga



Capella Aa



Capella Ab



SOL



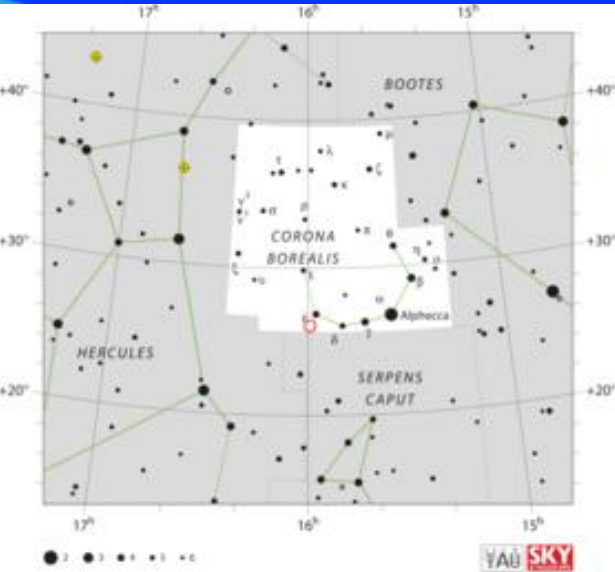
Capella Ha



Capella Hb

Images from Wikipedia web site

T Coronae Borealis Still Hasn't Gone Boom?



In the Sep meeting, we mentioned predictions that a variable star, T Crb would go nova in August and be visible to the eye. Other's said during September. We are now into October!

T Crb is a binary system with a cool red dwarf that is having its atmosphere stripped by a cannibal hot white dwarf

When a surge of material falls onto the white dwarf its luminosity increase considerably

This was based upon the fact that it dims before exploding.

NASA/Conceptual Image Lab/Goddard Space Flight Center

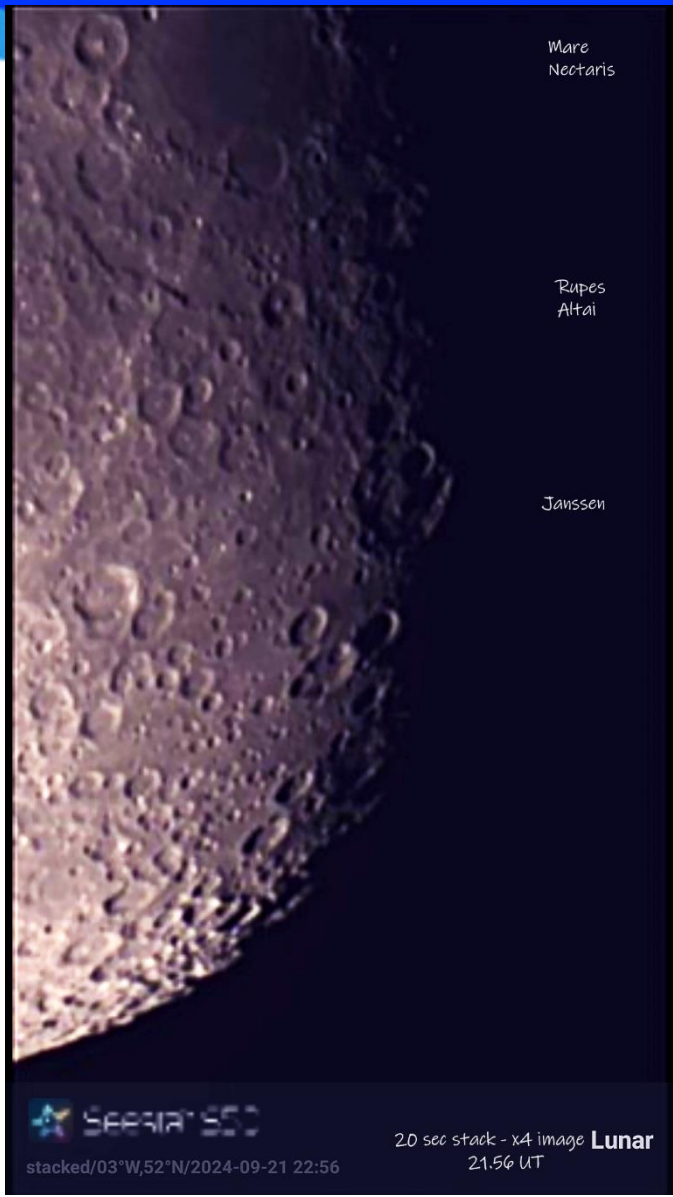


https://en.wikipedia.org/wiki/T_Coronae_Borealis

Les Fry Lets Loose a Seestar Scope

This was taken with one of these new fully automated Seestar scopes

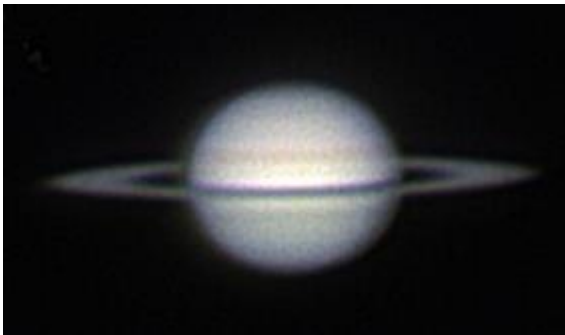
Very easy to set up and can control from a mobile phone



Saturn Coming Your Way



Top - Here's a nice image taken by Bob Stuart on 2024 Oct 10 UT 23:36 during the aurora. See the shadow of the rings on the planet



Middle - sharpened slightly - no sign of the Cassini Division in the rings as Saturn was observed in poor seeing conditions and was a bit low down



Bottom - colour saturation increased to show more details in the atmosphere. Note wind speeds can reach up to 1800 km/h



Tony Stands on Tip Toes to Catch a Glimpse of the Partial Lunar Eclipse

The following was obtained by standing on a plastic stool, to gain some height, to see over the tops of trees, in a garden in Mundesley, Norfolk, in the early hours of the morning!

The camera was a hand held compact cameras with zoom telephoto lens – but had to dodge clouds



2022Sep18 UT0234



2022Sep18 UT0226





A photo by Sasha Cook from Newtown



A photo by Bob Stuart from Rhayader

Tony's time lapse youtube video on:

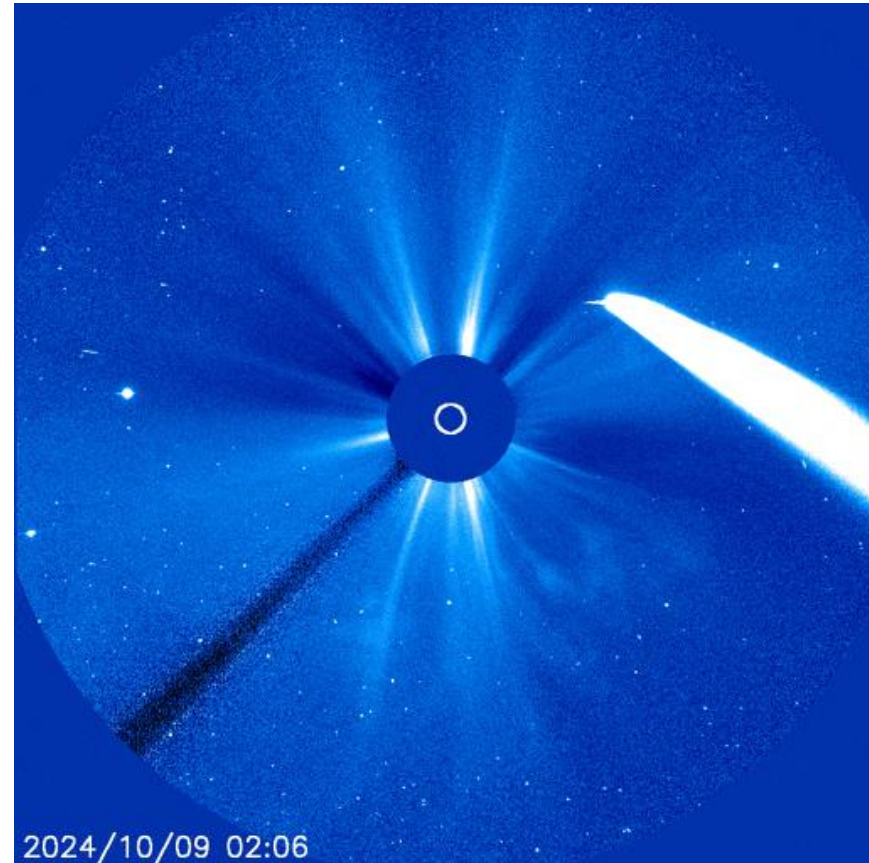
<https://www.youtube.com/channel/UCfQnx3tSPkON82zgVirQCJA>



A Comet Cometh

This is Comet Tsuchinshan-ATLAS as imaged by the SOHO spacecraft before going close to the Sun

Please keep an eye open after sunset for its bright tail in the evening sky, close to the horizon



Sun Oct 13th Space X Starship rocket launch?

Mon Oct 14th 00:00-02:00 Quest satellite channel: NASA's Unexplained Files

Mon Oct 14th NASA Europa Clipper Launch

Mon Oct 14th 19:00 BST Saturn 0.1 deg south of Moon

Mon Oct 14th 21:00-22:00 BBC2 The Solar System #2

Mon Oct 14th 22:00-23:00 Horizon: Mars a Traveller's Guide

Mon Oct 14th 23:00-00:00 Earth from Space #1

Tue Oct 15th 19:00 BST Neptune 0.6 deg south of Moon

Thu Oct 17th Full Moon

Sun Oct 20th Orionid meteor shower with > 20 meteors per hour

Sat/Sun Oct 26/27th We change our clocks to astronomers time: GMT or UT

Mon 21st Oct 21:00-22:00 BBC2 The Solar System #3

Mon 28th Oct 21:00-22:00 BBC2 The Solar System #4

Mon 4th Nov 21:00-22:00 BBC2 The Solar System #5

Wed Nov 6th UT 04:16 54598 Bienor centaur asteroid (grazes orbit of Uranus)
occults 13th mag star

Wed Nov 6th UT 05:47 54 Alexandra asteroid occults 11th mag star

Sat Nov 9th NAS Meeting