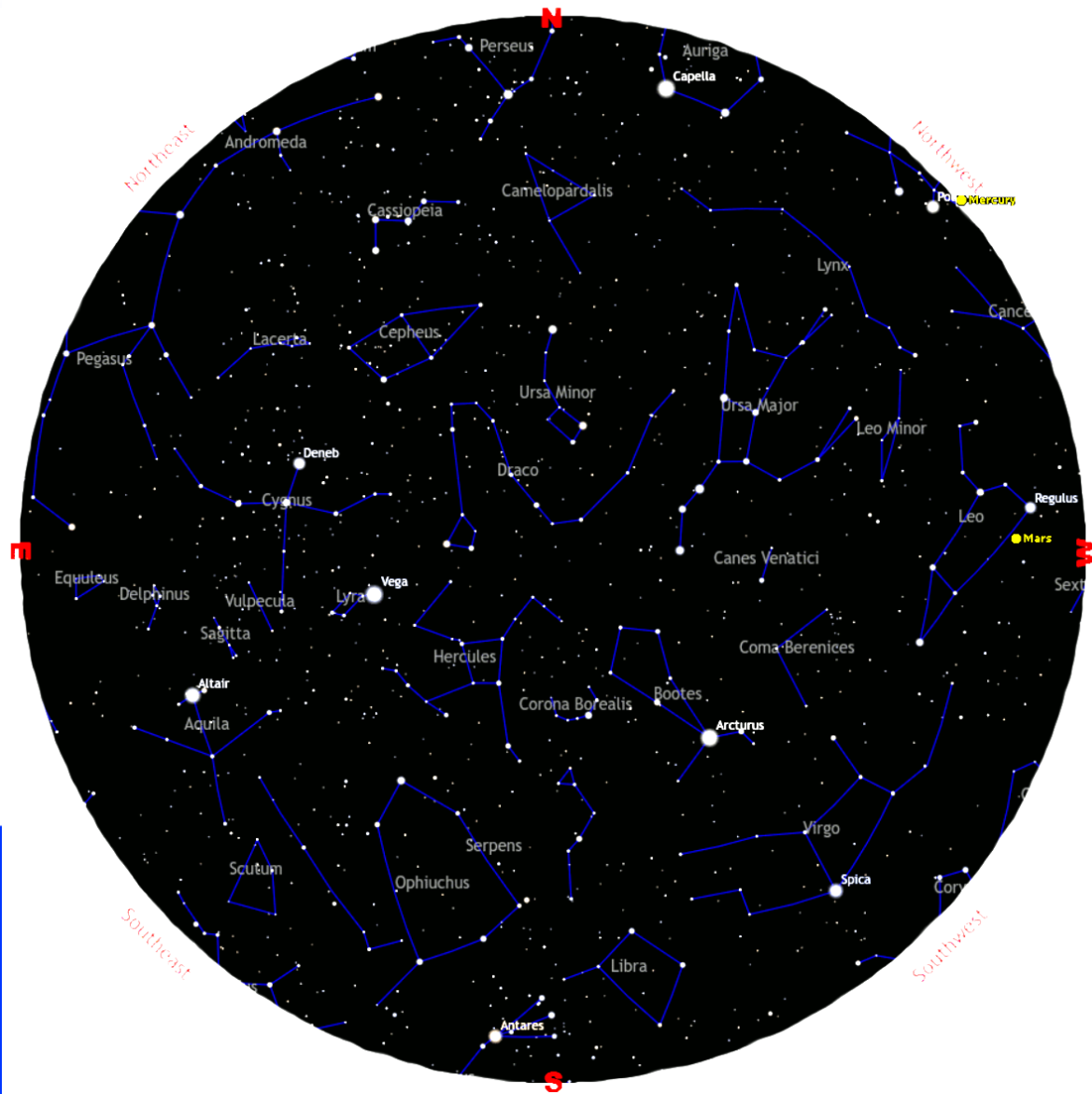


What's on Jun/Jul 2025

by Tony Cook



Night Sky: Late Jun @ 11PM BST

Mercury sets 22:50-21:50BST

Venus rises 02:50-02:15BST

Mars sets 00:50-23:15BST

Jupiter rises 05:30-03:40BST

Saturn rises 01:40-23:40BST

Uranus rises 03:30-01:20BST

Neptune rises 01:30-23:40BST

N.B. the times are for the current NAS meeting until next month's meeting

Useful

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

This chart has come from:

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

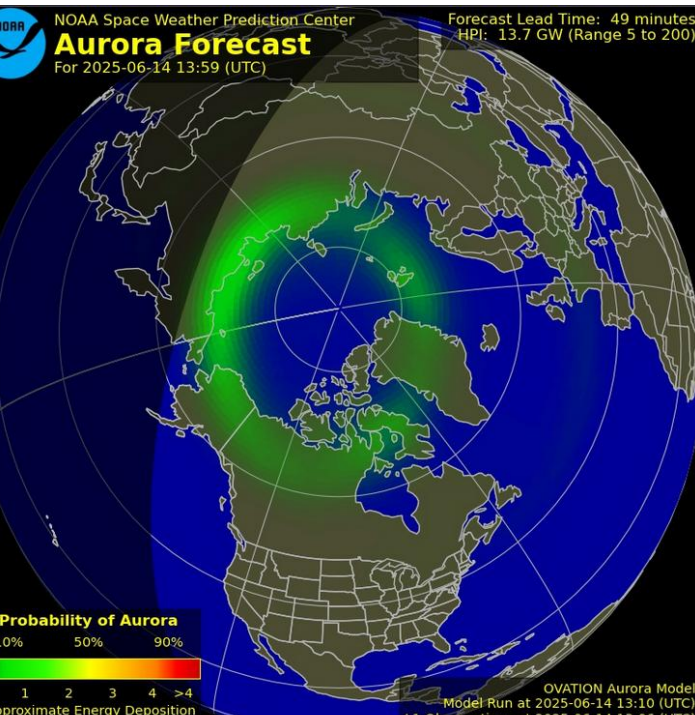
Aurora / Satellites

Aurora: Keep on watching the spaceweather.com web site – and also keep a look out for Noctilucent Clouds – silvery clouds at night on the edge of Space (76-85km)!

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.
26 Jun	-2.0	03:29:46	11°	S	03:32:01	19°	SE
27 Jun	-1.6	02:42:33	13°	SSE	02:43:23	14°	SE
28 Jun	-2.9	03:28:07	13°	SW	03:30:44	34°	SSE
29 Jun	-2.5	02:40:45	20°	S	02:41:58	25°	SSE
30 Jun	-2.0	01:53:20	18°	SE	01:53:20	18°	SE
30 Jun	-3.6	03:26:12	10°	WSW	03:29:28	55°	SSE
01 Jul	-1.3	01:05:51	11°	ESE	01:05:51	11°	ESE
01 Jul	-3.3	02:38:40	20°	SW	02:40:36	43°	SSE
02 Jul	-3.0	01:51:05	29°	S	01:51:44	32°	SSE
02 Jul	-3.8	03:24:51	10°	WSW	03:28:11	73°	S
03 Jul	-2.4	01:03:23	23°	SE	01:03:23	23°	SE
03 Jul	-3.8	02:36:12	12°	WSW	02:39:13	64°	SSE

Solar System Physics
Ffiseg Cysawd yr Haul



- 2025 May 23 UT 19:23 Piccolomini crater is 88km in diameter and has a nice central peak - named after a 16th Century Archbishop
- 3.2-3.8 Billion Years old
- Coming off to the right is Rupes Altai, some 427km long – might be part of the outer rim of the Nectarian impact basin

Wed Jun 18th Last Quarter

Thu Jun 19th BST 02:00 Moon, Saturn and Neptune very close

Sat Jun 21st 04:00 Summer Solstice

Sun-Fri Jun 22-27 European Lunar Symposium – Munster, Germany

Sat-Fri Jun 23-27 European Astronomical Society meeting in Cork, Ireland

Wed Jun 25th New Moon

Fri Jun 27th June Bootid meteor shower

Sat 28th Jun Web Deep Sky meeting

Mon Jun 30th BST 02:00 Moon and Mars 0.2 deg apart

Wed Jul 2nd New Moon

Fri Jul 4th BST 06:00 Mercury furthest from the Sun

Fri Jul 4th BAA Radio Astronomy Zoom meeting – email

paul@hearn.org.uk for a link

Sat Jul 5th BST 00:06 50000 Quaona (Kuiper belt ringed dwarf planet) occults a 13th mag star

Thu Jul 10th Full Moon

Jane Clark Focussing on the Moon



- First quarter Moon on 2025 Jun 02 UT 21:30 taken in near IR hence twilight sky dark
- Taken by Jane Clark
- Shows up nicely Mare Crisium, Serenitatis, Tranquillitatis, Nectaris
- The bright ray crater on the right of Mare Crisium is Proclus and is Pentagonal in shape with rays



What's on Jul/Aug 2025

by Tony Cook

Night Sky: Late Jul @ 11PM BST

Mercury sets 21:50-21:00BST /
rises 05:30-04:30BST

Venus rises 02:15-02:30BST

Mars sets 23:15-22:00BST

Jupiter rises 03:40-02:40BST

Saturn rises 23:40-22:00BST

Uranus rises 01:40-00:00BST

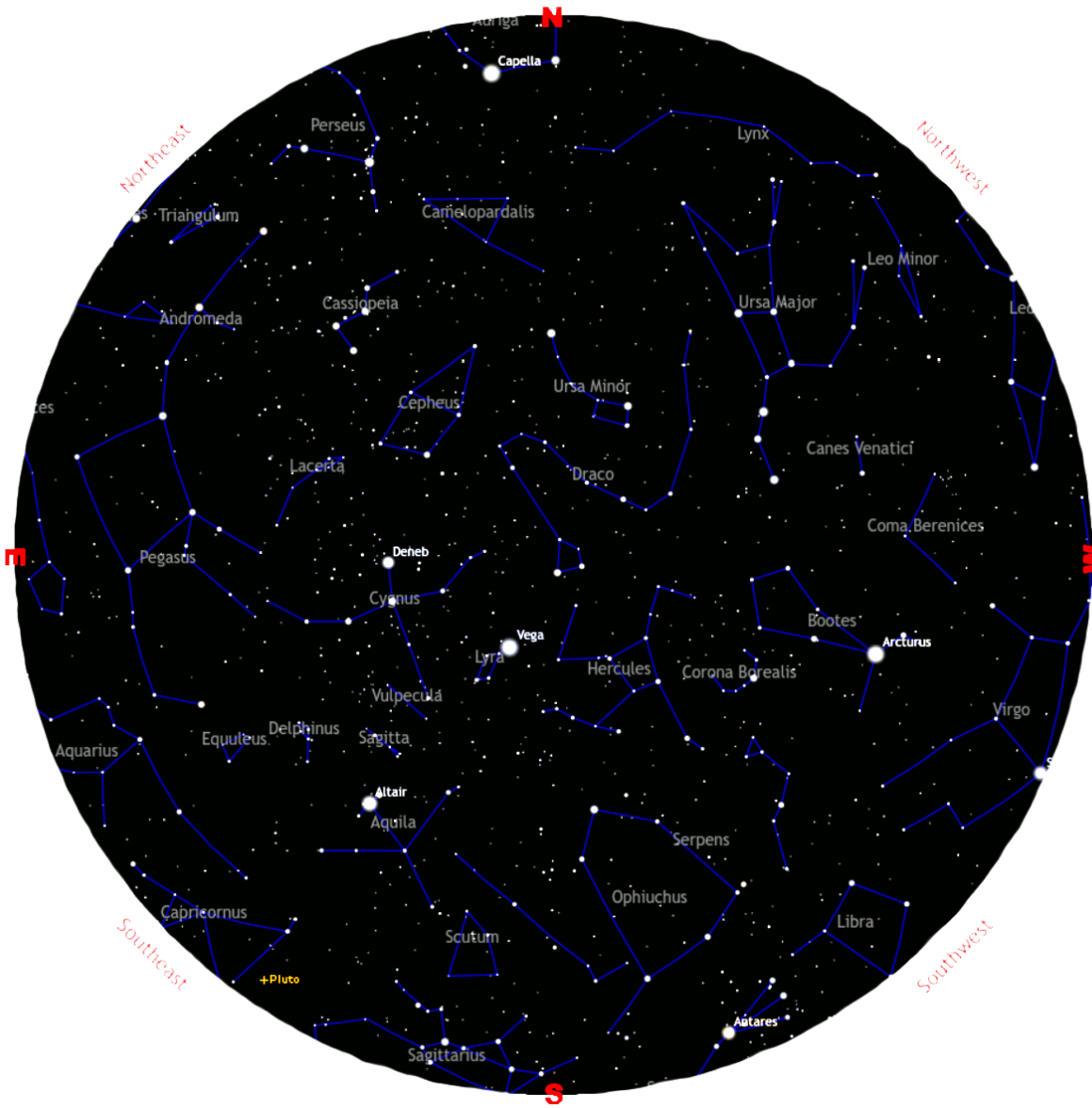
Neptune rises 23:40-22:00BST

Useful

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

This chart has come from:

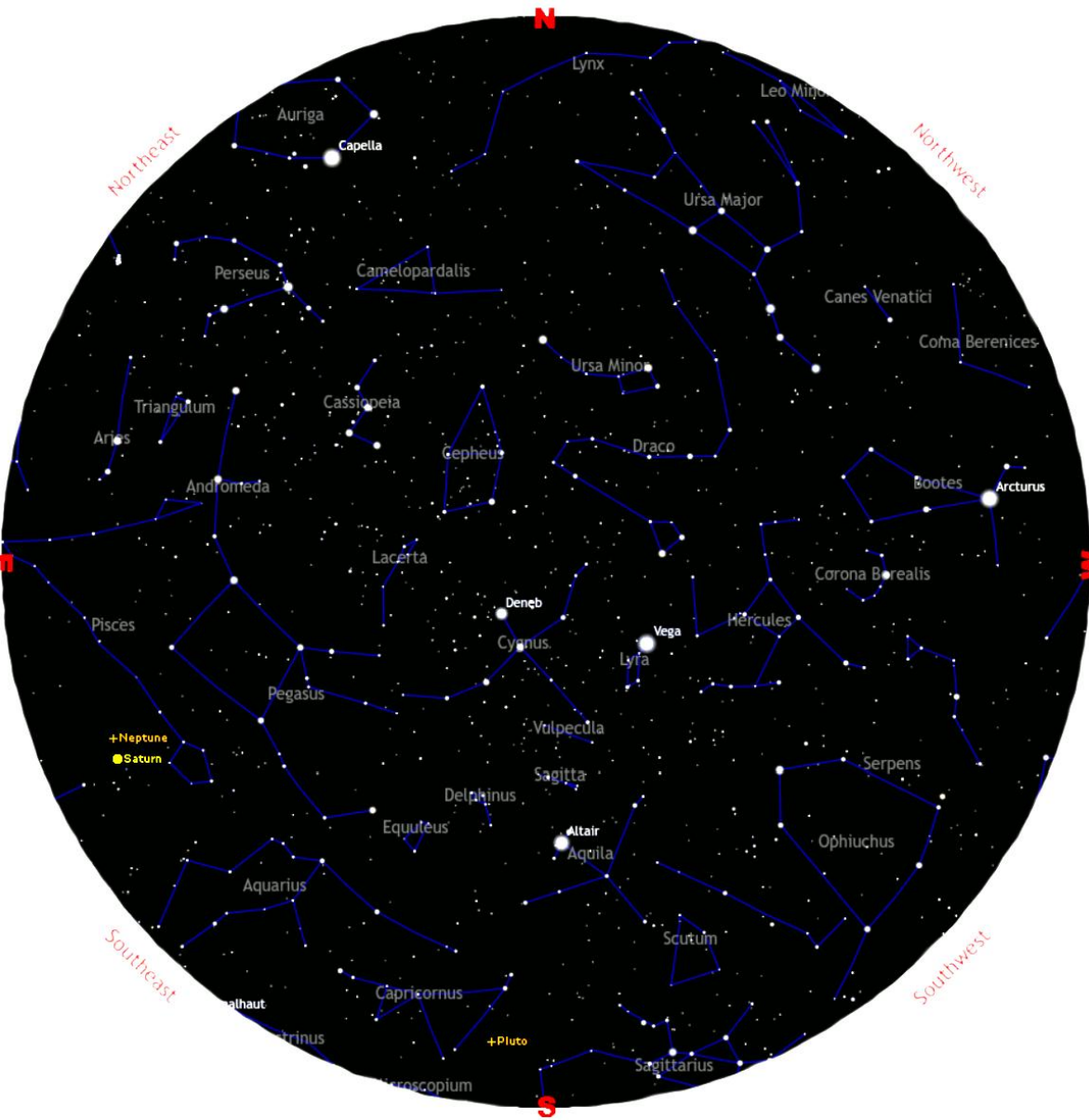
<http://astronomynow.com/uk-sky-chart/>



Mon-Fri Jul 7-11 National Astronomy Meeting at Durham University
Fri Jul 18th Last Quarter
Sun Jul 20th 11:25 and 12:14 BST (+/- 5 min) 3rd mag 17 Tau gets occulted and reappears next to Moon in day light
Mon Jul 21st 01:20 BST +/- few min 5th mag Chi Tauri gets occulted by Moon
Thu 24th Jul New Moon
Fri 25th Pluto at its brightest at mag 14.4
Wed Jul 30th Alpha Capricornids – 5 per hour, but very slow moving
Fri Aug 1st First Quarter
Sat Aug 9th Full Moon
Tue Aug 12th BST 08:00 Venus 0.9 deg south of Jupiter
Wed Aug 14th (12th-15th) Perseid Meteor Shower 80 per hour

What's on Aug/Sep 2025

by Tony Cook



Night Sky: Late Aug @ 11PM BST

Mercury rises 04:30-06:30BST

Venus rises 02:30-03:50BST

Mars sets 22:00-20:20BST

Jupiter rises 02:40-00:45BST

Saturn rises 22:00-19:50BST

Uranus rises 00:00-21:30BST

Neptune rises 22:00-19:30BST

Useful

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

This chart has come from:

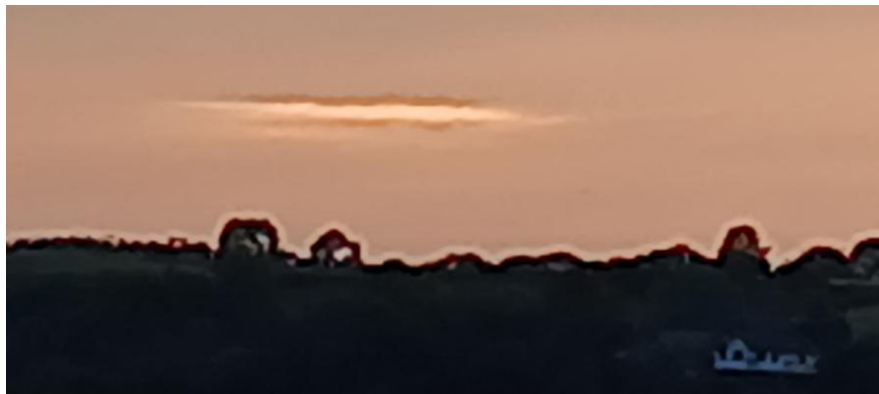
<http://astronomynow.com/uk-sky-chart/>

A Slit-Like Sun Dog



A Parhelia (to left). Some 22.5 deg east of Sun (to right) -
photographed by Tony Cook on 2025 Jun 11 at 21:10 BST, from
Newtown

Caused by diffraction from hexagonally shaped ice crystals in the
Earth's atmosphere.



Fri Aug 15th BST 04:24 Asteroid Dynamene occults a mag 7 star from the Wales, UK

Sat Aug 16th Last Quarter

Fri Aug 22nd 2023 PC near Earth asteroid comes within 2.5 lunar distances to the Earth

Sun Aug 31st First Quarter

Fri Sep 5th British Astronomical Association meeting in Orkney, Scotland

Sun Sep 7th Full Moon

Fri Sep 12th 22:10 & 23:15 2nd magnitude Eta Tauri occultation & reappearance

Sat Sep 13th next NAS meeting