



Artist's image of the Mars Helicopter (a small autonomous rotorcraft), which will travel with the Mars Perseverance Rover, scheduled to launch in July 2020  
*Image Credit: NASA/JPL-Caltech*

## What to look out for in the night sky

**4 June - Mercury at Greatest Eastern Elongation** This is the best time to view Mercury since it will be at its highest point above the western horizon, in the evening sky.

**5 June - Full Moon** (Strawberry, Rose or Honey Moon)

**5 June - Penumbral Lunar Eclipse** The Moon will darken slightly but not completely and will be visible throughout most of Europe, Africa, Asia, Australia, the Indian Ocean and Australia.

**20 June - June Solstice** This is the first day of summer in the Northern Hemisphere and the first day of winter in the Southern Hemisphere.

**21 June - New Moon** A good time to observe stars and planets as there is no moonlight to interfere.

**21 June - Annular Solar Eclipse** The path of the eclipse will begin in central Africa and travel through Saudi Arabia, northern India and southern China before ending in the Pacific Ocean. Watch on TV or via the internet!

**5 July - Full Moon** (Buck, Thunder or Hay Moon)

**5 July - Penumbral Lunar Eclipse** The eclipse will be visible throughout most of North America, South America, the eastern Pacific Ocean, the western Atlantic Ocean and extreme western Africa.

**14 July - Jupiter at Opposition** The giant planet will be brighter than at any other time of the year and visible all night long.

**20 July - New Moon** A good time to observe stars and planets as there is no moonlight to interfere.

**20 July - Saturn at Opposition** The planet will be brighter than at any other time of the year and will be visible all night long. A medium-sized telescope will allow you to see Saturn's rings and a few of its brightest moons.

**22 July - Mercury at Greatest Western Elongation** This is the best time to view Mercury as it will be at its highest point above the eastern horizon in the morning sky.

**28, 29 July - Delta Aquarids Meteor Shower** The Delta Aquarids can produce up to 20 meteors per hour. The shower runs from 12 July to 23 August. Meteors will radiate from the constellation Aquarius but can appear anywhere in the sky.

Throughout the summer months **The Summer Triangle** is visible. The three bright stars **Vega, Deneb and Altair** make up this Triangle, visible in the Eastern sky.



*The Soyuz MS-16 lifts off from Baikonur Cosmodrome in Kazakhstan on Thursday, 9 April, 2020, delivering astronauts for a 6 month mission on the ISS*

*Image Credit: NASA/GCTC/Andrey Shelepin*

### **Forthcoming Club Events – Meetings currently suspended**

*[Meetings are held in **The Lounge, Geddington Village Hall, Queen Street, Geddington NN14 1AZ** Please visit [www.naastronomy.com](http://www.naastronomy.com) to check final meeting information. Visit the NAA Facebook pages for discussion, photos and events.]*

### **Club Committee**

**President:** Nick Freville  
**Chair and Speaker Co-ordinator:** Sue Yendell  
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**Secretaries:** Jane Napier Tel: 07960 262401  
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**Committee Members:** Mervyn Lloyd  
Frank Tasker



### **Useful websites**

<https://www.nasa.gov/>  
<http://www.seasky.org/astronomy/astronomy-calendar-2019.html>  
<https://www.skyatnightmagazine.com/advice/skills/astronomy-guide-viewing-planets-night-sky/>

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