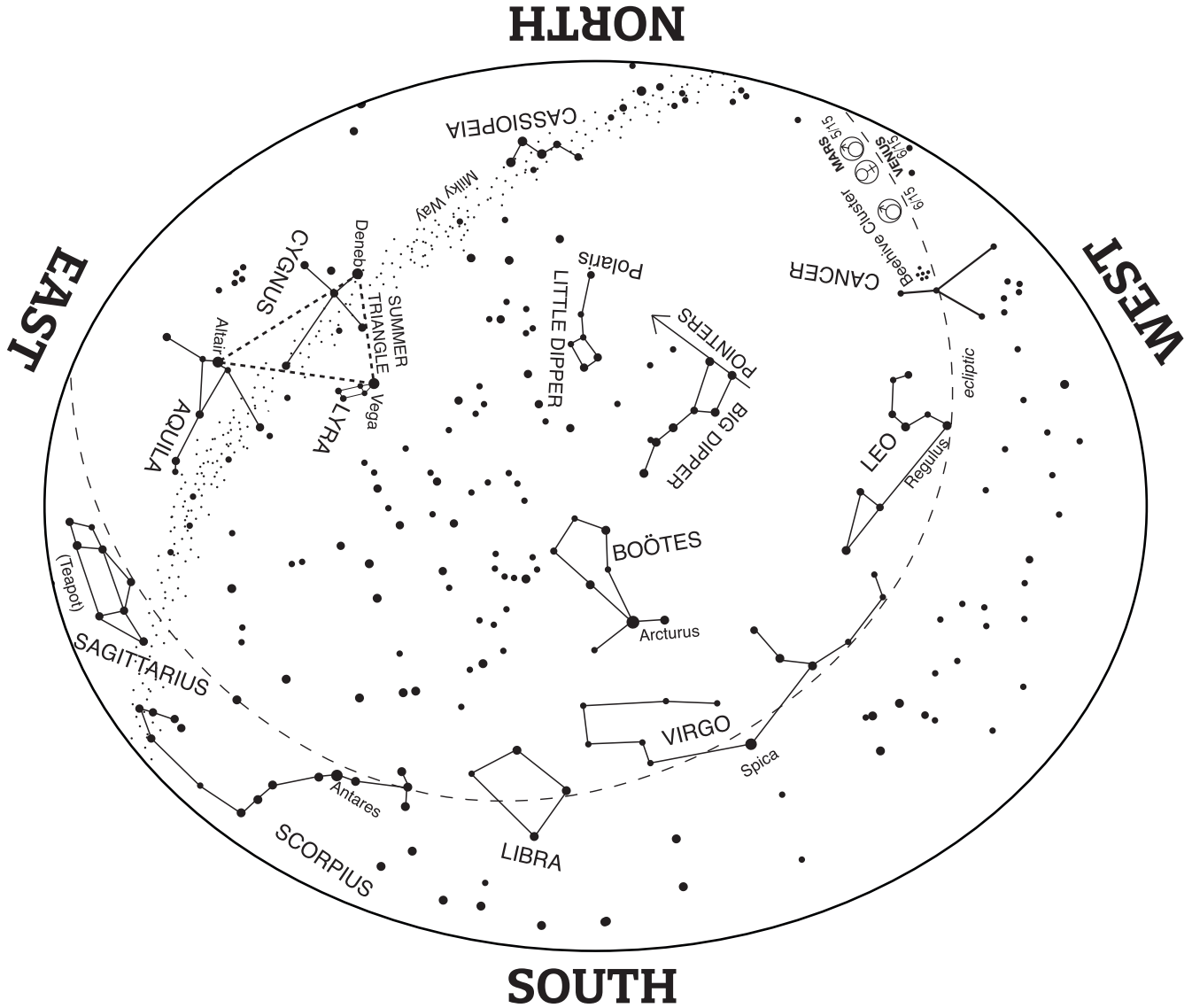


Starmap

MAY/JUNE 2021



601 Light Street • Baltimore's Inner Harbor
410.685.5225 • www.marylandsciencecenter.org



TO USE MAP:

Hold the map in front of you so that the direction you are facing is on the bottom. The stars on the lower half on the map will match up with the stars in the sky. The center of the map is directly overhead in the sky. Constellation and star pattern names are all capitalized. Names of stars have only the first letter capitalized. The map is valid within an hour of:
11:30pm Mid-May EDT
9:30pm Mid-June EDT

MAGNITUDE is a measure of a star's brightness. The lower the number, the brighter the star

- 1st or brighter magnitude star
- 2nd magnitude star
- 3rd magnitude star
- 4th or fainter magnitude star








ECLIPTIC:

The imaginary path of the Sun through the year. Constellations of the Zodiac surround the Ecliptic and the Moon and planets appear along it.

Starmap

MAY/JUNE 2021

IN THE MAY/JUNE SKY

- | | |
|--|--|
| <p> May 3
Last quarter Moon near Saturn (morning)
(See <i>Celestial Highlights</i>)</p> <p>May 4
Moon near Jupiter and Saturn (morning)</p> <p>May 6
Eta Aquarid meteor shower (morning)</p> <p> May 11
New Moon</p> <p>May 12
Moon near Venus
(See <i>Celestial Highlights</i>)</p> <p>May 13
Moon near Mercury</p> <p>May 15
Moon near Mars</p> <p>May 17
Mercury at greatest elongation</p> <p> May 19
First quarter Moon near Regulus</p> <p> May 26
Full Moon near Antares</p> <p>May 28/29
Mercury near Venus
(See <i>Celestial Highlights</i>)</p> <p>May 31
Moon near Saturn (morning)</p> | <p>June 1
Moon near Jupiter</p> <p> June 2
Last quarter Moon</p> <p> June 10
New Moon
Annular solar eclipse
(See <i>Celestial Highlights</i>)
Inferior conjunction of Mercury</p> <p>June 11
Moon near Venus
(See <i>Celestial Highlights</i>)</p> <p>June 13
Moon near Mars</p> <p>June 15
Moon near Regulus</p> <p> June 17
First quarter Moon</p> <p>June 19
Moon near Spica</p> <p>June 20
Summer Solstice
(See <i>Celestial Highlights</i>)</p> <p>June 22
Moon near Antares</p> <p> June 24
Full Moon</p> <p>June 27
Moon near Saturn (morning)</p> <p>June 28
Moon near Jupiter (morning)</p> |
|--|--|

CELESTIAL HIGHLIGHTS

Planet and Moon Pairings, Morning Sky – On the mornings of May 3-5, the Moon passes below both Saturn and Jupiter. On the morning of May 31, the Moon returns to pass below Saturn and then Jupiter on June 1 repeating on June 27 and 28 respectively. These are seen best before sunrise.

Planet and Moon Pairings, Evening Sky – In early May, just after sunset from highest to lowest in the sky Mars, Mercury and Venus will be visible. Venus is the brightest of the three. The Moon will visit each starting with Venus on May 12, Mercury on May 13, and Mars on May 15. In June, the Moon is near Venus on June 11, and Mars on June 13.

Mercury near Venus, May 28 to May 29, after sunset – Starting May 28, Mercury and Venus are approaching their closest to each other in the sky with Mercury above Venus. By May 29, the two planets switch places so that Venus is above Mercury in the early evening sky. Venus is the brighter of the two. Look to the northwestern horizon after sunset, the planets would be low in the sky west of northwest. After May 29, the planets will start separating from each other.

Annular Solar Eclipse, June 10 Sunrise, 5:40am – An annular solar eclipse is when the Moon is at a part of its orbit that makes it so it is not fully covering the sun during totality, leaving a ring of sun behind the moon. At sunrise the eclipse is already in progress and Baltimore will see a partial eclipse with 59% of the Sun covered by the Moon. The partial eclipse ends at 6:30am in Baltimore. In any partial eclipse the sun is too bright to see without protection. **DO NOT** Look at the sun! To make a safe solar viewer at home go to: <https://www.mdsci.org/wp-content/uploads/2021/04/CerealBoxSunViewer.pdf>

Summer Solstice, June 20 – marks the beginning of summer for the Northern Hemisphere with the longest hours of daylight and the shortest night as the North Pole is tilted towards the Sun.

The bi-monthly STARMAP is available on the web at <https://www.mdsci.org/learn/resources/starmaps/>

CROSBY RAMSEY MEMORIAL OBSERVATORY INFO 410-545-2999

For the health and safety of our guests, the Observatory is temporarily closed.



MERCURY

When: Evening sky, until end of May
Not visible, June
Where: West-northwest
Constellation: Taurus



VENUS

When: Evening sky
Where: West-northwest to West, May
Constellation: Taurus, Gemini, Cancer



MARS

When: Evening sky
Where: West-northwest
Constellation: Gemini, Cancer



JUPITER

When: Morning sky, May
After midnight, June
Where: Southeast to South
Constellation: Aquarius



SATURN

When: Morning sky, May
After midnight, June
Where: Southeast to South
Constellation: Capricornus