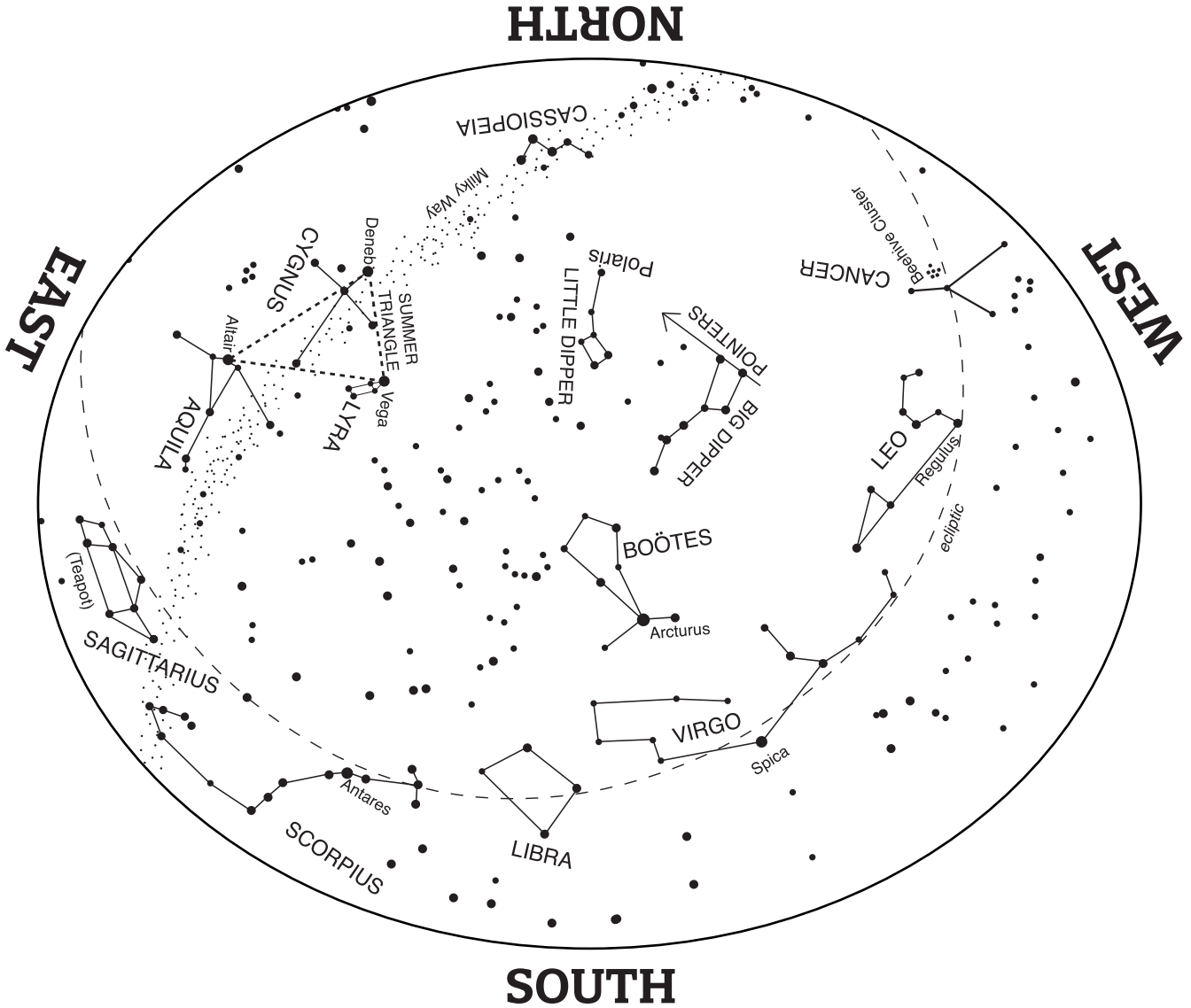


Starmap

MAY/JUNE 2024



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:

- 12:30am Mid-May EDT
- 10:30pm 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 2024

IN THE MAY/JUNE SKY

- | | |
|--|--|
| <p> May 1
Last Quarter Moon</p> <p>May 3/4
Moon near Saturn (morning)</p> <p>May 5
Eta Aquarid meteor shower (morning)</p> <p>May 5
Moon near Mars (morning)</p> <p>May 6
Moon near Mercury (morning)</p> <p> May 7
New Moon</p> <p>May 9
Mercury at greatest elongation (morning)</p> <p>May 12
Moon near Pollux</p> <p> May 15
First Quarter Moon near Regulus</p> <p>May 19
Moon near Spica</p> <p> May 23
Full Moon</p> <p> May 30
Last Quarter Moon</p> | <p>May 31
Moon near Saturn (morning)</p> <p>June 2/3
Moon near Mars (morning)</p> <p> June 6
New Moon</p> <p>June 8
Moon near Pollux</p> <p>June 11
Moon near Regulus</p> <p> June 14
First Quarter Moon</p> <p>June 16
Moon near Spica</p> <p>June 19
Moon near Antares</p> <p>June 20
Summer Solstice
(See <i>Celestial Highlights</i>)</p> <p> June 21
Full Moon</p> <p>June 27
Moon near Saturn (morning)</p> <p> June 28
Last Quarter Moon</p> |
|--|--|

CELESTIAL HIGHLIGHTS

Planet and Moon groupings – Early morning before sunrise on May 3rd and 4th Saturn will be the brightest object left of the Moon. On the morning of May 5th Mars will be above and to the right of the Moon. Just before sunrise on May 6th, Mercury and the Moon will rise together in the eastern sky. Between Moonrise and sunrise on the morning of May 31st Saturn will be the brightest object next to the Moon. Around 4am on June 2nd, Mars and the Moon will rise together in the eastern sky. On June 27th around 1am the Moon and Saturn will rise together and will stay together throughout the night until sunrise.

Greatest Elongation of Mercury – Mercury has its orbit inside of Earth's orbit and goes through a period called greatest elongation. That is the period when Mercury is its farthest separation from the Sun from our perspective. Mercury's greatest elongation occurs on the morning of May 9th before sunrise.

Planetary Alignment in the Sky – During the early mornings of the first half of May just before sunrise Mercury, Mars, and Saturn will be positioned in a line starting in the eastern horizon and reaching up to Aquarius in the south-eastern sky.

Eta Aquarid Meteor Shower – Look to the constellation Aquarius early in the eastern morning sky for a chance to see a meteor shower. This meteor shower started on April 15th and will last until May 27th with it reaching its peak number of meteors around May 5th.

Summer Solstice, June 20 – The Solstice marks the beginning of summer for the Northern Hemisphere with the longest hours of daylight and the shortest night.

The Observatory at the Maryland Science Center info:

Safe solar viewing is offered Saturdays from 1:00pm-4:00pm, weather permitting (admission included with Science Center admission).

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



MERCURY

When:
Visible May just before Sunrise
Not visible June

Where:
East

Constellation:
Pisces, Cetus, Aries, Taurus



VENUS

When:
Not visible

Where:
Not visible

Constellation:
Not visible



MARS

When:
Early morning

Where:
East

Constellation:
Pisces, Cetus, Pisces, Aries



JUPITER

When:
Visible, last half of June

Where:
Low in East

Constellation:
Taurus



SATURN

When:
Before dawn, May
Early morning, June

Where:
East to Southeast

Constellation:
Aquarius