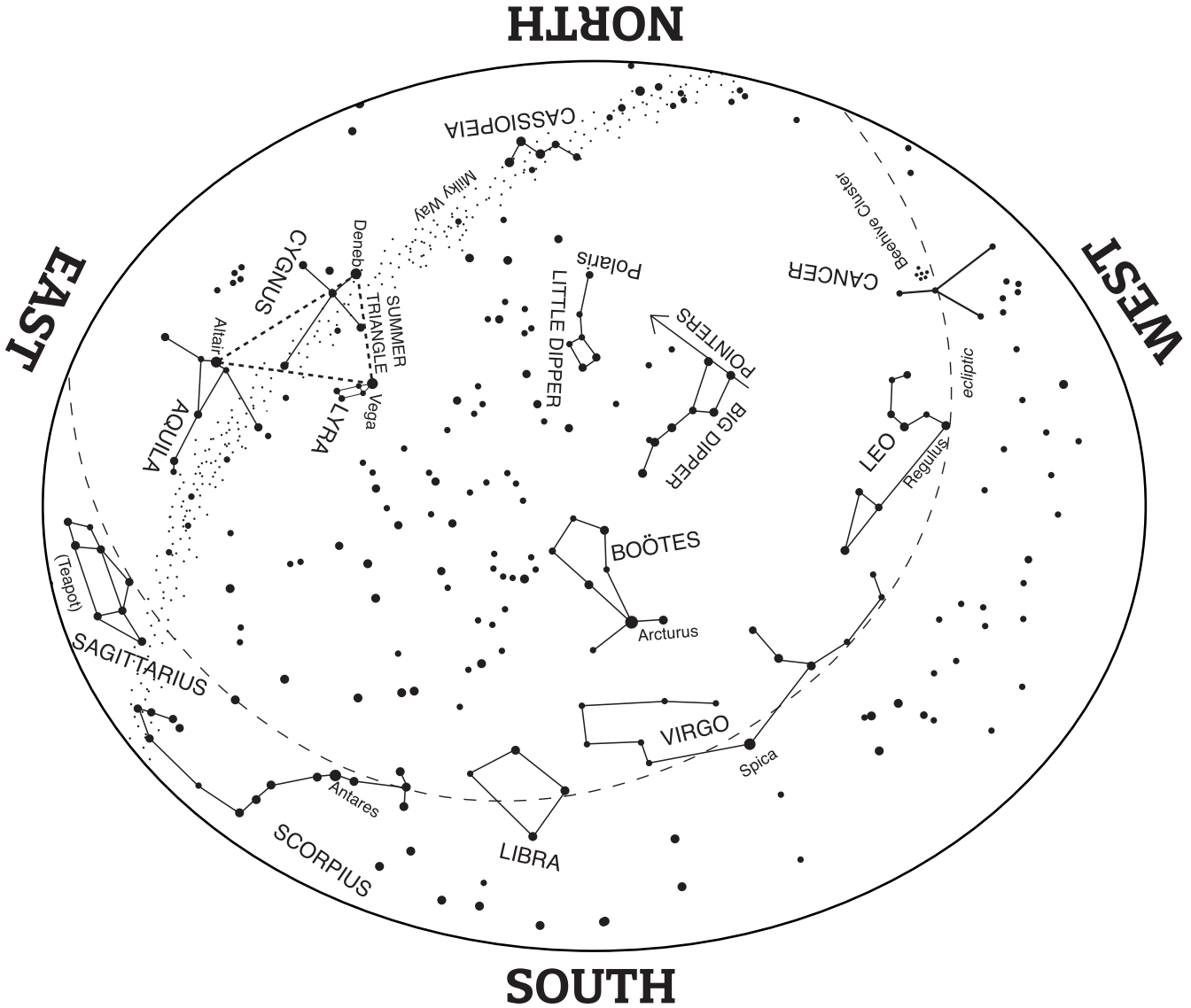


Starmap

MAY/JUNE 2020



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 2020

IN THE MAY/JUNE SKY

May 1

Moon near Regulus

May 4

Superior conjunction of Mercury

(See *Celestial Highlights*)

Eta Aquarid meteor shower (morning)

May 5

Moon near Spica

**May 7**

Full Moon

May 12

Moon near Jupiter and Saturn (morning)

**May 14**

Last quarter Moon

May 15

Moon near Mars (morning)

May 21-22

Mercury near Venus

(See *Celestial Highlights*)**May 22**

New Moon

May 23-24

Moon near Venus and Mercury

May 28

Moon near Regulus

**May 29**

First quarter Moon

June 1

Moon near Spica

June 3Inferior conjunction of Venus (See *Celestial Highlights*)**June 4**

Mercury at greatest elongation

Moon near Antares

**June 5**

Full Moon

June 8

Moon near Jupiter (morning)

June 9

Moon near Saturn (morning)

June 12-13

Moon near Mars (morning)

**June 13**

Last quarter Moon

June 19

Moon near Venus (morning)

June 20

Summer Solstice

(See *Celestial Highlights*)**June 21**

New Moon

**June 28**

First quarter Moon

June 30

Inferior conjunction of Mercury

(See *Celestial Highlights*)

CELESTIAL HIGHLIGHTS

Planet Conjunctions with Sun – The astronomical term *conjunction* means that two objects appear in the same place in the sky as seen from Earth. Mercury and Venus being closer to the Sun than the Earth have two different types of conjunctions, inferior and superior. Inferior is when they are between the Earth and Sun in their orbit and superior is when they are on the opposite side of the Sun. Mercury is in conjunction with the Sun on May 4 and June 30. Venus is in inferior conjunction on June 3, moving into the morning sky. Planets in conjunction with the sun are not visible. Thus, Mercury is not visible in early May and late June and Venus is not visible in early June.

Planet and Moon Pairings, Evening Sky – On the evening of May 21 at about 9 pm, Mercury will be below Venus. On the next evening Mercury will have moved to the upper left of Venus. Use the brilliant planet Venus to help you find Mercury. Then on May 23, the Moon will be below Venus and Mercury. The Moon will have moved above Venus and Mercury the next evening.

Planet and Moon Pairings, Morning Sky – On the morning of May 12, the Moon is below both Jupiter and Saturn. On the morning of May 15, the Moon passes below Mars. On June 8 before sunrise the Moon will be below Jupiter. On June 9, the Moon will have moved to the left of Saturn. By the mornings of June 12 and 13 the Moon will be moving below Mars. Finally, on June 19, the very thin crescent Moon will be below Venus, low in the East shortly before sunrise.

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

Free public observing nights are held Friday evenings from 7:00-10:30pm. Please call after 5:00pm on Friday for observing conditions.

**MERCURY****When:**

Evening sky, late May and early June

Where:

West-northwest, late May and early June

Constellation:

Aries, Taurus, Gemini

**VENUS****When:**

Evening sky, May Morning sky, late June

Where:

West to Northwest, May East, late June

Constellation:

Taurus

**MARS****When:**

Morning sky

Where:

Southeast

Constellation:

Capricornus, Aquarius, Pisces

**JUPITER****When:**

Morning sky, May After midnight, June

Where:

Southeast to South

Constellation:

Sagittarius

**SATURN****When:**

Morning sky, May After midnight, June

Where:

Southeast to South

Constellation:

Capricornus