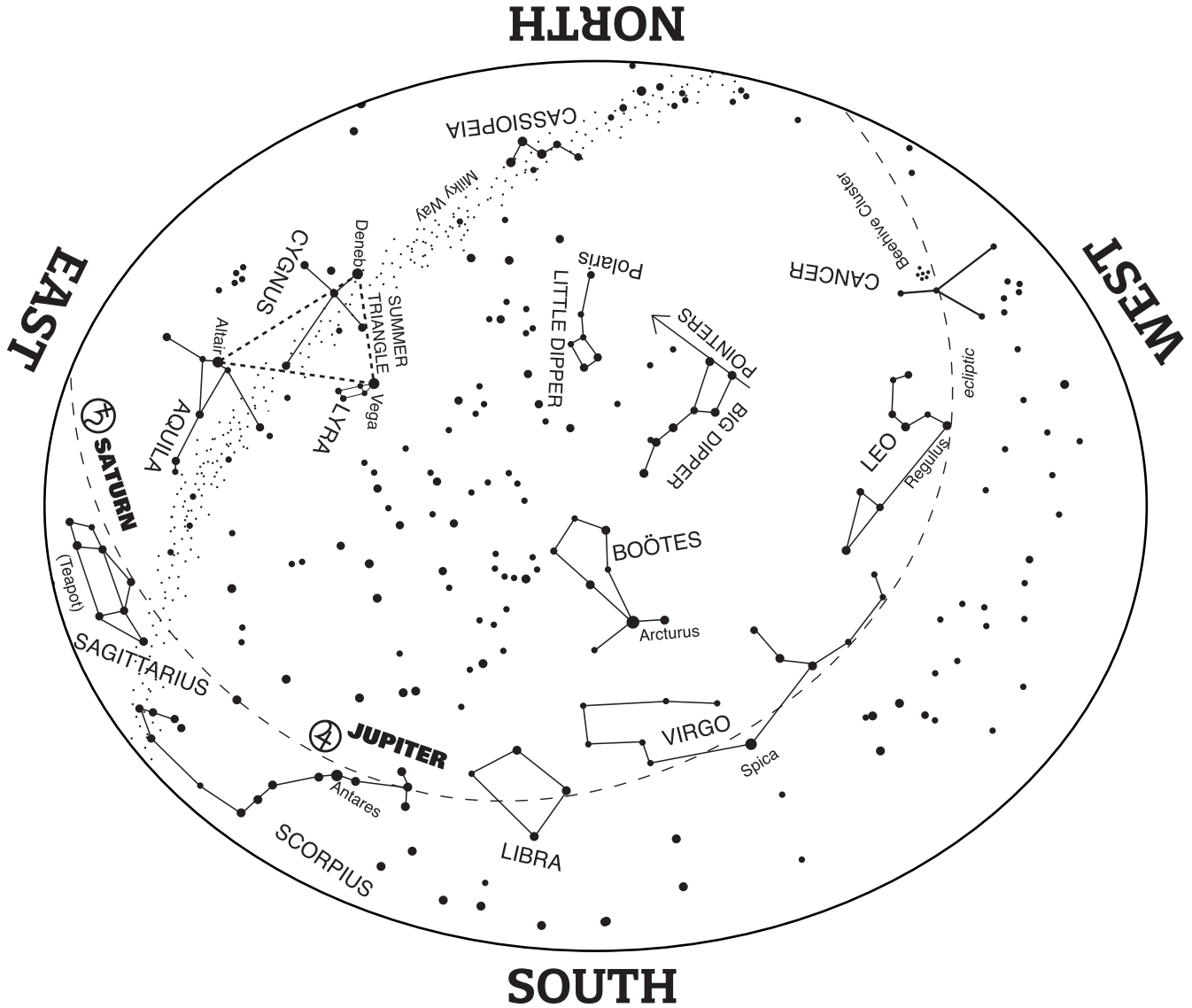


Starmap

MAY/JUNE 2019



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 2019

IN THE MAY/JUNE SKY

May 2

Moon near Venus (morning)

**May 4**

New Moon

May 5

Eta Aquarid meteor shower (morning)

May 6

Moon near Aldebaran

May 7

Moon near Mars

**May 11**

First quarter Moon

**May 18**

Full Moon

May 20

Moon near Jupiter (morning)

May 21Superior conjunction of Mercury (See *Celestial Highlights*)**May 23**

Moon near Saturn (morning)

**May 26**

Last quarter Moon

June 1

Moon near Venus (morning)

**June 3**

New Moon

June 4

Moon near Mercury

June 5

Moon near Mars

**June 9**

First quarter Moon

June 10Jupiter in opposition (See *Celestial Highlights*)**June 16**

Moon near Jupiter

**June 17**

Full Moon

June 18Mercury near Mars (See *Celestial Highlights*)
Moon near Saturn**June 21**Summer Solstice—official start of summer! (See *Celestial Highlights*)**June 23**

Mercury at greatest elongation

**June 25**

Last quarter Moon

June 30

Moon near Aldebaran (morning)

CELESTIAL HIGHLIGHTS

Planet Oppositions and Conjunctions with Sun – The astronomical term *opposition* describes when an object appears opposite the sun in the sky as seen from Earth. Planets at opposition are visible all night. Jupiter goes into opposition June 10. In contrast, *conjunction* means that two objects appear in the same place in the sky as seen from Earth. Mercury is in conjunction with the Sun on May 21. Planets in conjunction with the sun are not visible.

Planet and Moon Pairings – The word “planet” means wanderer in Greek, because throughout the year you can see them move across the background of stars each night, this also included the Moon. As the planets wander in the sky they sometimes look to be close to each other from our perspective on Earth. In May, The Moon joins up with Venus on May 2, Jupiter on May 20 and Saturn on May 23 all in the morning sky before sunrise. On May 7 the Moon is near Mars in the early evening. In June, the Moon joins Mercury on June 4, Mars on June 5, and Jupiter on June 16. For a special treat look for Mercury and Mars very close to each other on June 18 in the western part of the sky. Mercury would be the brighter of the two and Saturn will be toward the east later in the night partnered with the Moon.

Summer Solstice, June 21 – 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:
Not visible, May
Evening sky, June

Where:
West, June

Constellation:
Pisces, Aries, Taurus,
Gemini, Cancer



VENUS

When:
Morning sky

Where:
East

Constellation:
Pisces, Aries, Taurus



MARS

When:
Early evening

Where:
West-Northwest

Constellation:
Taurus, Gemini



JUPITER

When:
Morning sky, May
Late night to dawn, June

Where:
Southeast to Southwest

Constellation:
Ophiuchus



SATURN

When:
After midnight, May
Late night to dawn, June

Where:
Southeast to Southwest

Constellation:
Sagittarius