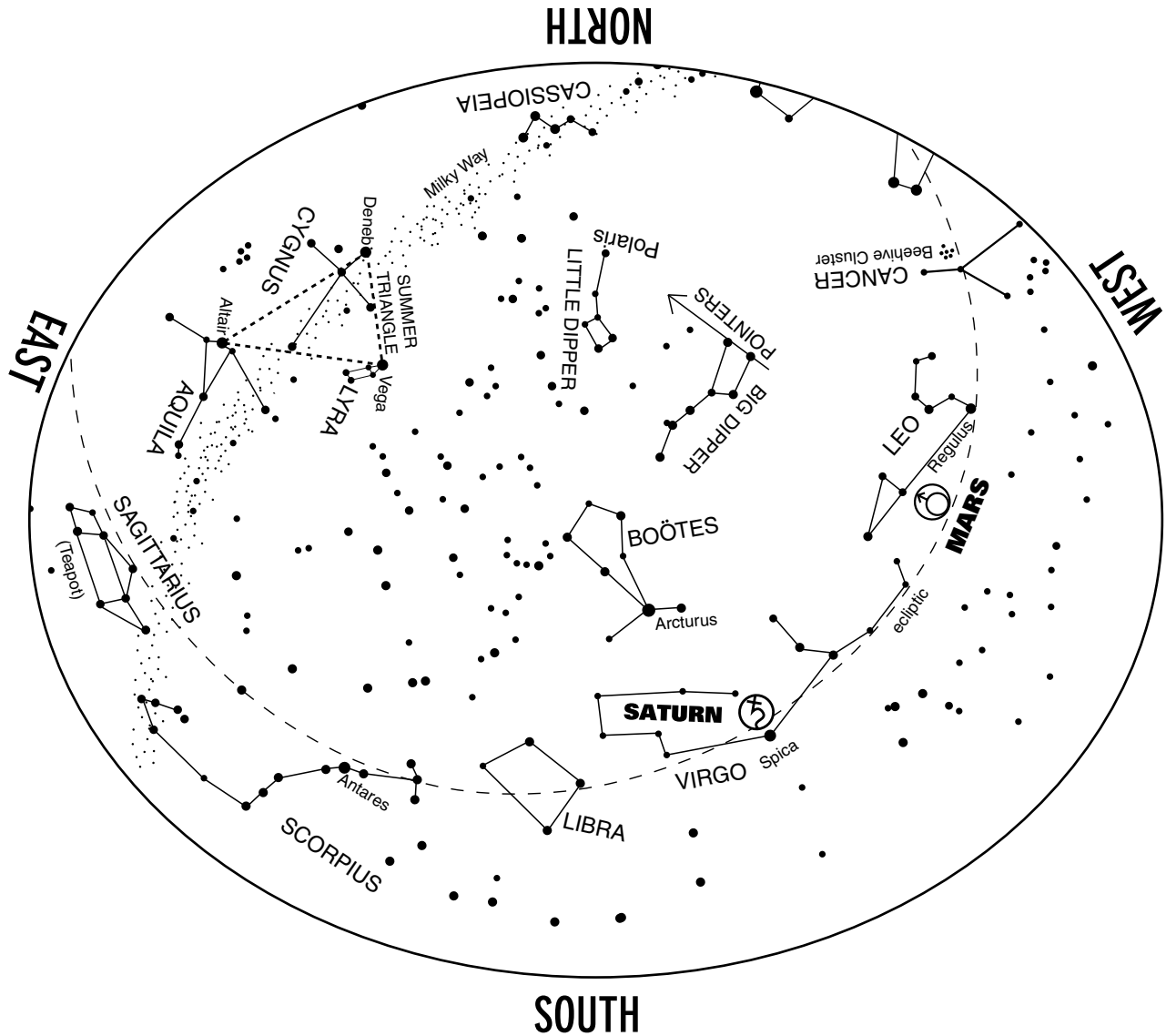


# Star map

MAY/JUNE 2012



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.

# Davis Planetarium **Starmap**

MAY & JUNE 2012

## IN THE MAY/JUNE SKY

 <b>May 1</b> Moon below Mars	 <b>June 3</b> Moon near Antares
 <b>May 4</b> Moon near Spica and Saturn	 <b>June 4</b> Full Moon
 <b>May 5</b> Full Moon	 <b>June 5</b> Transit of Venus <b>See Celestial Highlights</b>
 <b>May 7</b> Moon near Antares	 <b>June 11</b> Last quarter Moon
 <b>May 12</b> Last quarter Moon	 <b>June 17</b> Moon near Jupiter
 <b>May 13</b> Jupiter in conjunction with Sun	 <b>June 19</b> New Moon
 <b>May 20</b> New Moon	<b>June 19-30</b> Jupiter and Venus together in morning sky <b>See Celestial Highlights</b>
 <b>May 22</b> Moon near Venus	<b>June 20</b> Summer Solstice <b>See Celestial Highlights</b>
 <b>May 27</b> Moon below Regulus	<b>June 21</b> Moon near Mercury
 <b>May 28</b> First quarter Moon near Mars	<b>June 25</b> Moon near Mars
 <b>May 31</b> Moon below Spica and Saturn	 <b>June 26</b> First quarter Moon
	<b>June 27/28</b> Moon near Spica and Saturn

 = Observatory nights

## CELESTIAL HIGHLIGHTS

**Transit of Venus, June 5th** – Join us for the opportunity of a lifetime. From 5:00pm-8:30pm the Observatory, other rooftop observing, and transit related activities are available. Safely watch with us as the planet Venus transits (or crosses in front of) the sun, we'll watch until we lose sight of the sun behind a building around 8pm. The transit begins at 6:04pm and can be seen until sunset at 8:30pm. The next Transit of Venus will not be until the year 2117. For more information about the transit visit: <http://www.transitofvenus.org/>

**Planetary Paring of Jupiter and Venus** – From June 19 through the end of the month, and even into July, both Jupiter and Venus are visible in the eastern sky just before sunrise. Jupiter is the planet above and Venus is below. These two planets are the brightest objects after the sun and moon.

**Summer Solstice, June 20th** – The sun reaches its highest in the sky for the year providing the longest hours of day time and shortest night.

## ITEM OF NOTE IN SPRING SKY

**Jupiter and Venus Transitioning** – Both Jupiter and Venus are going through a transition from evening to morning sky during the months of May and June. Jupiter is at superior conjunction with the sun on May 13 – this means Jupiter is directly behind the sun as seen from Earth, making it not visible during the month of May. Venus on the other hand, is at an inferior conjunction June 5/6, crossing in front of the sun (see **Transit of Venus** above). After these transitions, Jupiter and Venus make their way into the morning sky and are visible before sunrise.

The bi-monthly STARMAP is available on the web at <http://marylandsciencecenter.org/pdf/Planetarium/STARMAP.pdf>

## 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:**

Before sunrise, May  
After sunset from mid-June

**Where:**

East, Northeast

**Constellation:**

Gemini



**VENUS**  
**When:**

After sunset, May  
Before sunrise, June

**Where:**

Northwest, East

**Constellation:**

Auriga, Taurus



**MARS**  
**When:**

Through 2am

**Where:**

Southwest

**Constellation:**

Leo, Virgo



**JUPITER**  
**When:**

Not visible, May  
Before sunrise, June

**Where:**

East

**Constellation:**

Taurus



**SATURN**  
**When:**

Most of the night

**Where:**

South

**Constellation:**

Virgo