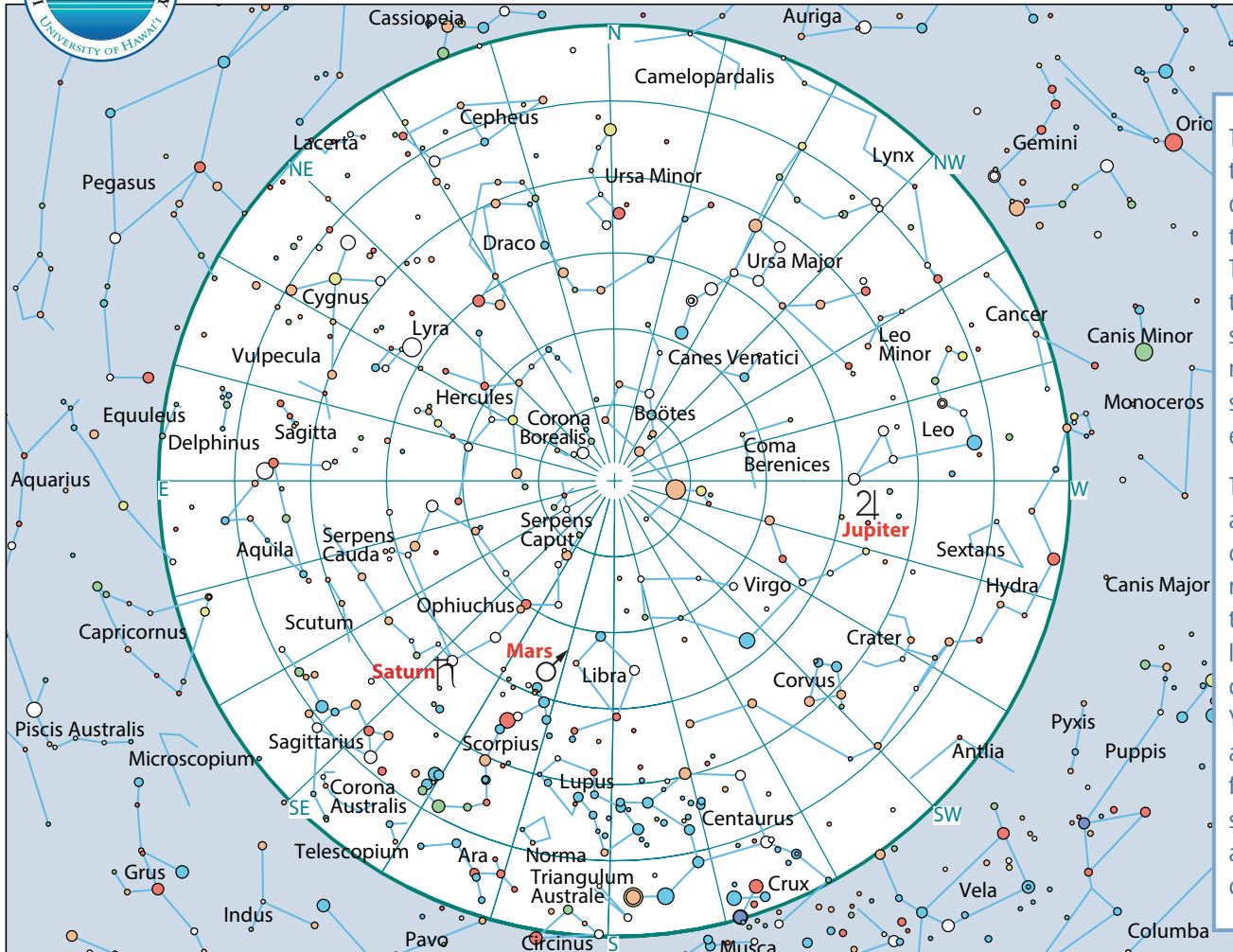




Evening Skies Over Hawai'i June 2017



This star chart shows the zenith, the point directly overhead, at the center of the chart. The circle represents the horizon, so the stars outside it are not visible, although some may rise in the east later in the night.

To find constellations and stars, hold the chart overhead and rotate the page until the correct direction labeled on the horizon circle is ahead of you. You should now be able to look back and forth between the star chart and the sky, and match the constellations.

Honolulu 2017-06-15 10:00 p.m. C: 219h13m +21°20' L: +270°00' 0:90° ARC HZ Cat: BSC
 On June 1, the sky will appear as shown on the chart at about 11 p.m. On June 30, it will appear as shown at about 9 p.m.

Magnitude: 0 1 2 3 4 B-V: < -0.3 -0.1 0.2 0.5 0.8 1.3 > Planets: Mercury Venus Mars Jupiter Saturn Uranus Neptune





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The star chart includes only the brightest stars to avoid cluttering the chart. The constellations are labeled, and the lines connecting their stars will help you find these celestial groupings.

Mercury is visible in the eastern sky before sunrise until about June 14 and reappears in the evening about June 29. Venus is visible in the morning. Mars is visible in the evening until June 7, when it becomes too close to the Sun. Jupiter is visible in the evening. Saturn is at opposition on June 15, so it is visible most of the night during June. Uranus and Neptune are visible in the morning.

May Moon Phases

-  First Quarter June 1, 30
-  Full Moon June 9
-  Last Quarter June 17
-  New Moon June 23

Join us for these 2017 special events

O'ahu Events: call (808) 956-8566. Tuesday June 27, *Perpetual Motion: Galileo and His Revolutions*, UHM Orvis Auditorium at 7:30 PM; Wednesday June 28, *The Glass Universe* by Dava Sobel, UHM Orvis Auditorium at 7:30 PM; IfA celebrates 50 years of Astronomy in Hawai'i starting June 28, see: <http://about.ifa.hawaii.edu/ifa50/>

Maui Events: call (808) 573-9516. Monthly Maikalani Community Lectures and can also be viewed online wit live stream at <http://ps1puka.ps1.ifa.hawaii.edu/liveVideo.php>

Hawaii Island Events: see www.mkaoc.org

Monthly activities for the Friends of the Institute for Astronomy can be found at <http://www.ifa.hawaii.edu/friends/>
 Institute for Astronomy Special Events are announced at <http://www.ifa.hawaii.edu/specialevents/>