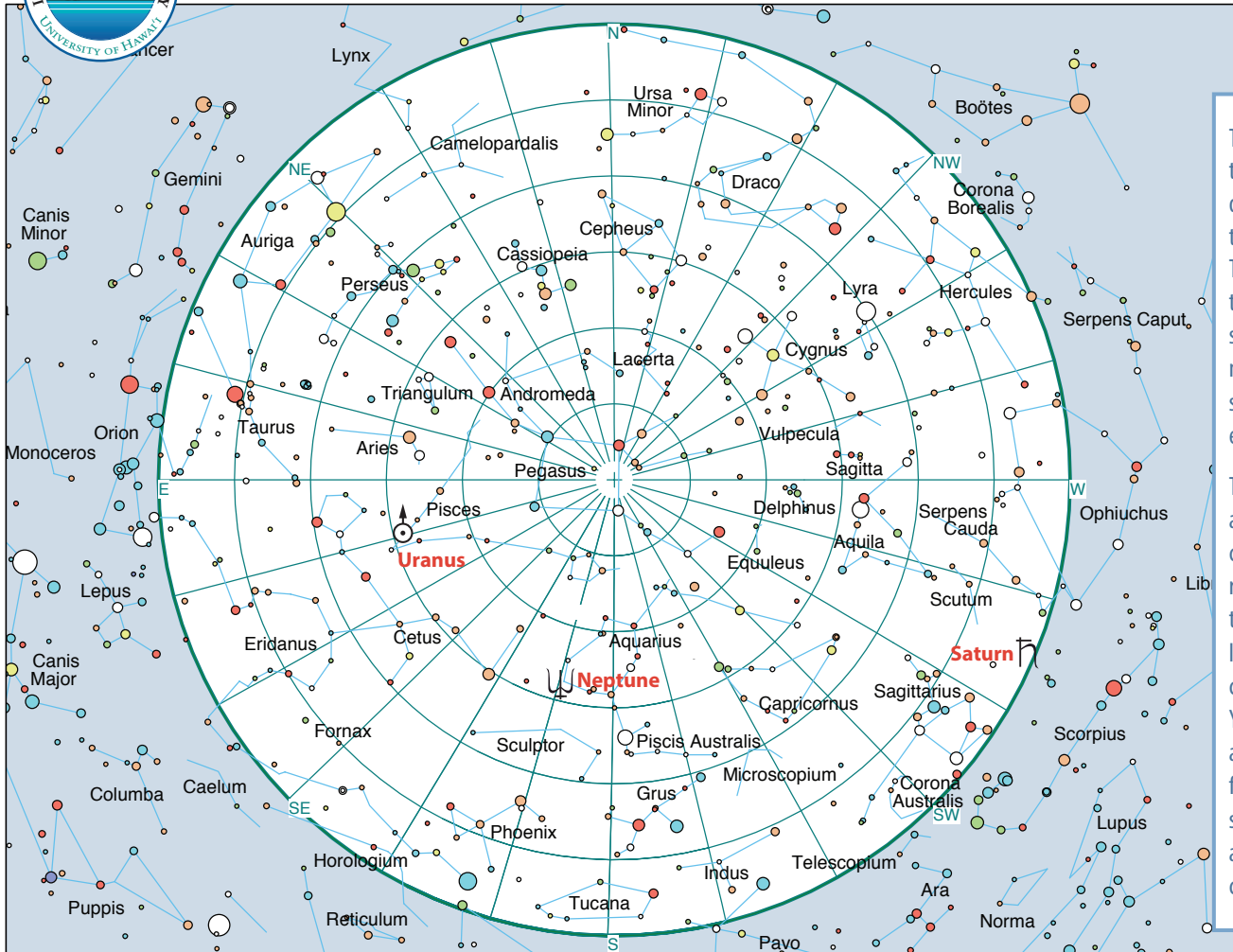




# Evening Skies Over Hawai'i October 2017



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 2017-10-15 10:00 p.m. C: 219h13m +21°20' L: +270°00' O: 90° ARC HZ Cat: BSC  
 On Oct 1, the sky will appear as shown on the chart at about 11 p.m. On Oct. 31, it will appear as shown at about 9 p.m.

Produced using *Cartes du Ciel* Sky Charts program by Patrick Chevalley  
 This free program is available at <http://www.stargazing.net/astropcl>

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 reappears in the evening about October 23. Venus and Mars are visible in the morning. Jupiter and Saturn are visible in the evening, but after October 13 Jupiter becomes too close to the Sun to be observed. Uranus is at opposition on October 19, so can be seen most of the night. Neptune is still visible most of the night. Venus (the brighter object) is in conjunction with Mars on October 5.





## Join us for these 2017 special events

**O'ahu Events:** call (808) 956-8566.

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

**Hawaii Island Events:** see [www.mkaoc.org](http://www.mkaoc.org)

## October Moon Phases

-  Full Moon    Oct.    5
-  Last Quarter    Oct.    12
-  New Moon    Oct.    19
-  First Quarter    Oct.    27

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/>