



# Evening Skies Over Hawai'i September 2016



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.

teramura Sept. 2016

Honolulu 2016-09-15 10:00 p.m. C: 219h13m +21°20' L: +270°00' O: 90° ARC HZ Cat: BSC  
 On Sept. 1, the sky will appear as shown on the chart at about 11 p.m. On Sept. 30, 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: ☿ ♀ ♂ ♃ ♄ ♅ ♆



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 evening until about September 6 and then reappears in the morning sky about September 20. Venus, Mars, and Saturn are visible in the evening. Jupiter can be seen in the evening until about September 13, after which it is too close to the Sun to be observed. Uranus is visible in the morning, while Neptune is at opposition on September 2, so it is visible most of the night.

## The Institute for Astronomy

### September Moon Phases

- First Quarter September 9
- Full Moon September 16
- Last Quarter September 22
- New Moon September 30

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