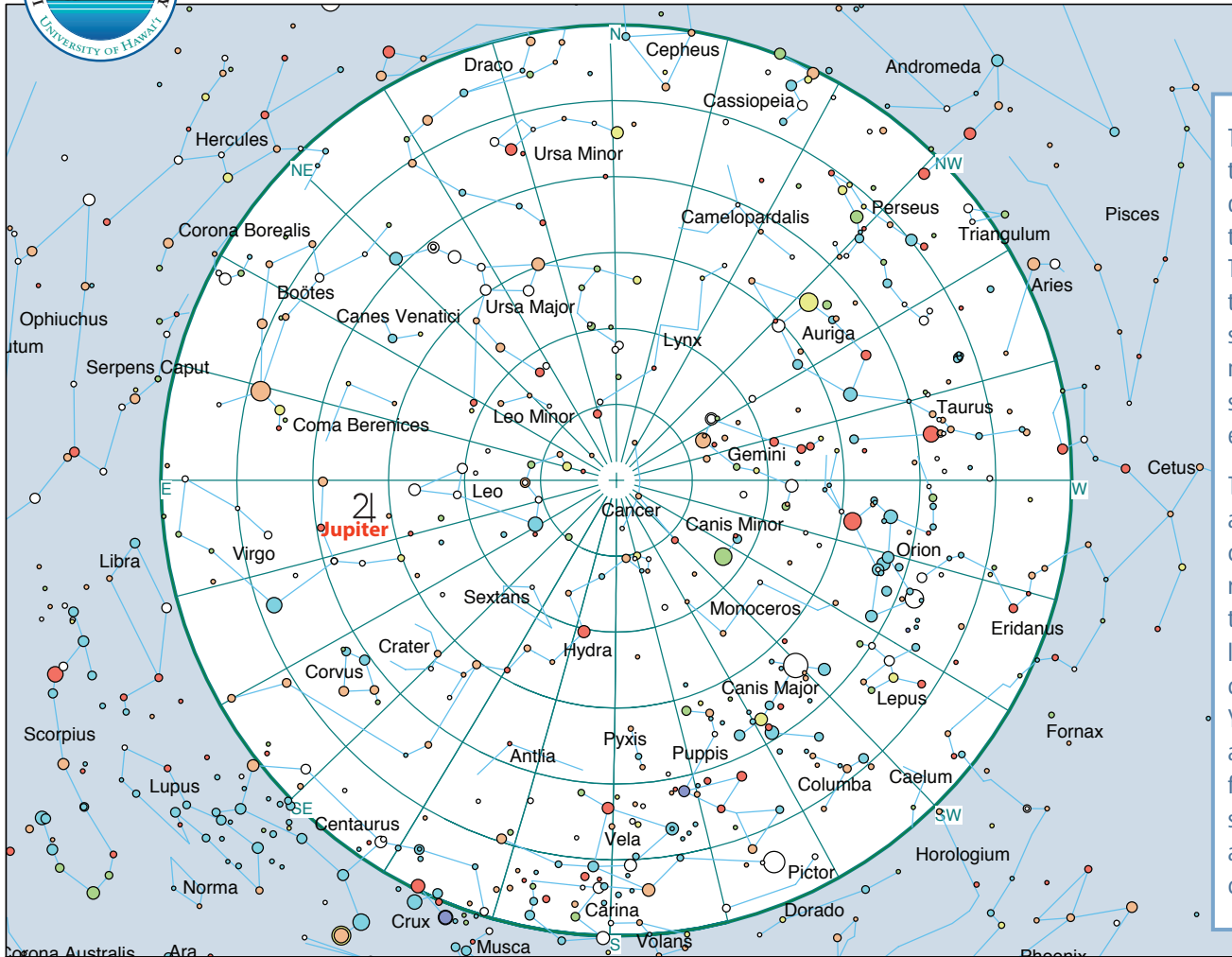




# Evening Skies Over Hawai'i March 2016



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 March, 2016

Honolulu 2016-03-15 10:00 p.m. C: 219h13m +21°20' L: +270°00' 0:90° ARC HZ Cat: BSC  
 On March 1, the sky will appear as shown on the chart at about 11 p.m. On March 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



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. Venus, Mars, Jupiter, and Saturn are visible in the morning sky, while Uranus is visible in the evening. Neptune is too close to the Sun to be seen.

## Join us for these special events





**O'ahu Events:** call (808) 956-8566. There are no public events scheduled for March. UH Institute for Astronomy Open House April 17.

**Maui Events:** call (808) 573-9516  
 Maikalani Community Lectures occur one Friday per month.

**Hawaii Island Events:** see [www.mkaoc.org](http://www.mkaoc.org) Kuhio Day Celebration in Panaewa Homestead (26 March 9am-4pm), AstroDay April 30 at Hilo's Prince Kuhio Mall.

Some of the most exciting science in the world is happening at the Institute for Astronomy (IfA), and you can be part of it! IfA scientists conduct research into galaxies, cosmology, stars, planets, and the Sun, as well as teaching undergraduate and graduate students at the University of Hawaii. We invite you to become part of the Friends and explore our amazing universe.

## March Moon Phases

-  Last Quarter March 1, 31
-  New Moon March 8
-  First Quarter March 15
-  Full Moon March 23

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/>