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 throughout the month. Venus is visible in the morning sky until about September 17, when it appears to be too close the Sun for observation. Mars and Saturn are visible in the evening. When they are in close proximity in early September, Mars is the brighter of the two. Jupiter and Uranus (in Pisces) are visible in the morning. Neptune (in Aquarius) is visible in the evening.

### September Moon Phases

<table>
<thead>
<tr>
<th>Moon Phase</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Quarter</td>
<td>September 2</td>
</tr>
<tr>
<td>Full Moon</td>
<td>September 8</td>
</tr>
<tr>
<td>Last Quarter</td>
<td>September 15</td>
</tr>
<tr>
<td>New Moon</td>
<td>September 23</td>
</tr>
</tbody>
</table>

**Join us for these special events**

**O‘ahu Events**: call (808) 956-8566

8 October 2014, 7:30 pm, Frontiers of Astronomy Community Lecture with astronomer Christopher Baranec. Dr Baranec will speak about using a robotic telescope to find exoplanets. UH Mānoa Art Buidling Auditorium. Admission Free. Campus parking $6.00.

**Maui Events**: call (808) 573-9516

19 September 2014, IFa Maui Open House

Maikalani Community Lectures occur one Friday per month.

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

12—14 September 2014, HawaiiCon, a sci-fi, science, and fantasy convention. Hapuna Beach Prince Hotel. [www.hawaiicon.com](http://www.hawaiicon.com)

Monthly activities for the Friends of the Institute for Astronomy can be found at [http://www.ifa.hawaii.edu/friends/](http://www.ifa.hawaii.edu/friends/)

Institute for Astronomy Special Events are announced at [http://www.ifa.hawaii.edu/specialevents/](http://www.ifa.hawaii.edu/specialevents/)

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.