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.

The Planets table gives positions on the sky (in astronomical right ascension and declination), their apparent magnitude, the time they rise, reach culmination (their highest point in the sky), and when they set. Mercury is visible in the evening sky beginning about January 13. Venus is visible in the evening until January 5, and reappears in the morning sky around January 17. Mars is visible in the morning. Jupiter is at opposition on January 5, so you can see it most of the night throughout the month. Saturn is visible in the morning, while Uranus and Neptune are visible in the evening.

### January Moon Phases

- **New Moon** January 1 & 30
- **First Quarter** January 7
- **Full Moon** January 15
- **Last Quarter** January 23

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**Object** | **R.A.** | **Dec.** | **Mag.** | **Rise** | **Culmination** | **Set**
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Mercury | 20h 34m | -20° 50' | -1.0 | 8h 00m | 13h 28m | 18h 57m
Venus | 19h 18m | -16° 17' | 2.0 | 6h 36m | 12h 12m | 17h 49m
Mars | 13h 08m | -04° 40' | 0.6 | 0h 07m | 6h 02m | 11h 57m
Jupiter | 0h 01m | +22° 51' | -2.7 | 17h 15m | 23h 56m | 6h 36m
Saturn | 15h 18m | -15° 58' | 1.2 | 2h 36m | 8h 13m | 13h 50m
Uranus | 0h 33m | +02° 51' | 5.9 | 11h 21m | 17h 28m | 23h 35m
Neptune | 22h 22m | -10° 52' | 8.0 | 9h 32m | 15h 17m | 21h 02m

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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/)