

# Sydney Observatory night sky map

A map for each month of the year, to help you learn about the night sky

# September 2014

[www.sydneyobservatory.com.au](http://www.sydneyobservatory.com.au)

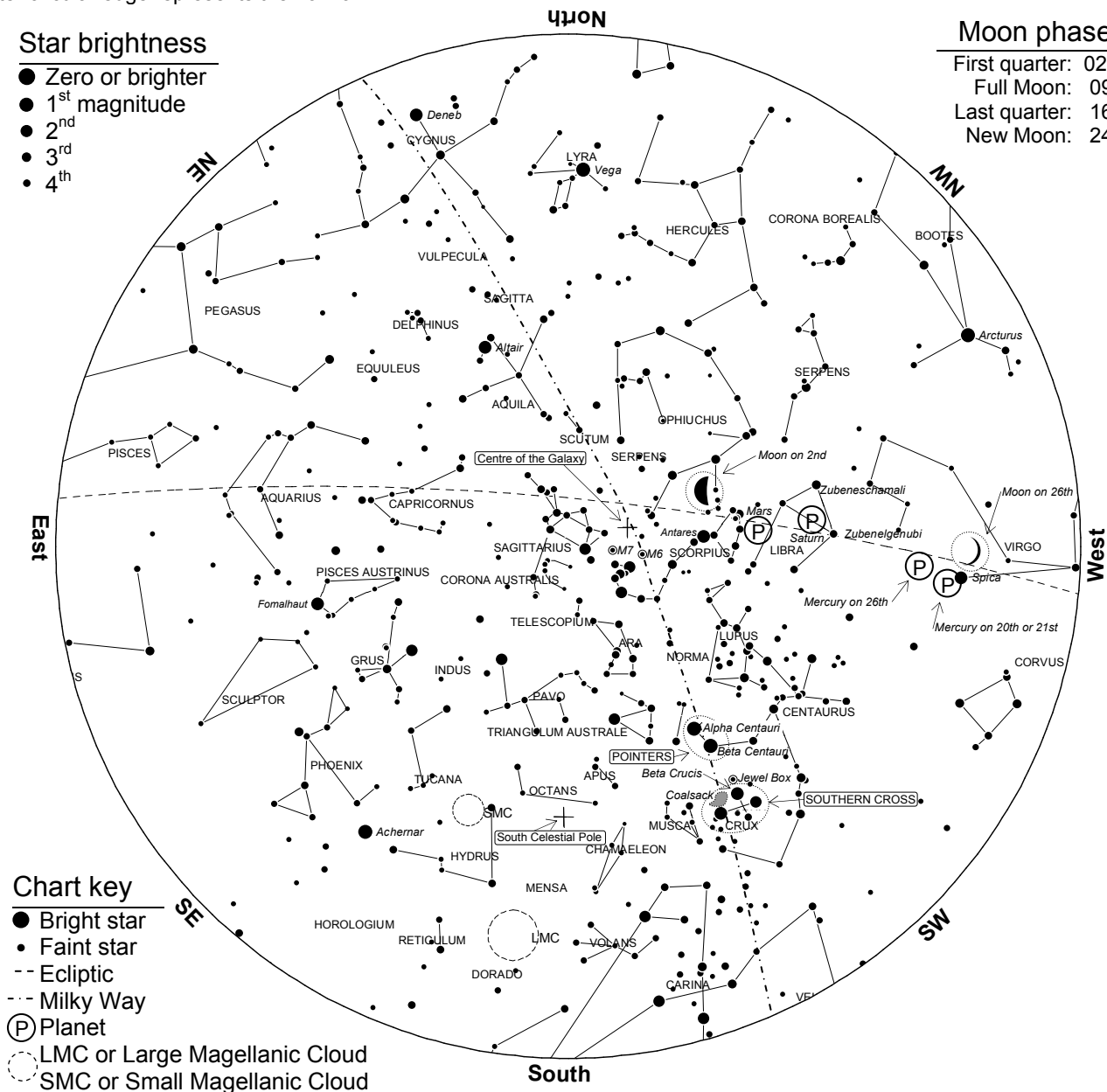
This star chart shows the stars and constellations visible in the night sky for Sydney, Melbourne, Brisbane, Canberra, Hobart, Adelaide and Perth for September 2014 at about 7:30pm (local standard time). For Darwin and similar locations the chart will still apply, but some stars will be lost off the southern edge while extra stars will be visible to the north. Stars down to a brightness or magnitude limit of 4.5 are shown. To use this chart, rotate it so that the direction you are facing (north, south, east or west) is shown at the bottom. The centre of the chart represents the point directly above your head, called the zenith, and the outer circular edge represents the horizon.

## Star brightness

- Zero or brighter
- 1<sup>st</sup> magnitude
- 2<sup>nd</sup>
- 3<sup>rd</sup>
- 4<sup>th</sup>

## Moon phase

- First quarter: 02nd
- Full Moon: 09th
- Last quarter: 16th
- New Moon: 24th



The spring equinox occurs on the 23rd when the length of day and night is almost equal, about 12 hours each. Saturn and Mars are visible in the west. On the 26th at 7pm the crescent Moon is near Mercury. On the 20th and 21st Mercury is close to the bright star Spica in Virgo. The best time to see the Moon using binoculars or a small telescope is a few days either side of the first quarter Moon on the 2nd. To the south-west is Crux (the Southern Cross) easily located using the two nearby stars called the Pointers. In the centre of the sky are the constellations of Scorpius (the Scorpion) and Sagittarius (the Archer).



Sydney Observatory, with a magnificent view overlooking Sydney Harbour, is open 10am to 5pm daily – except closed Good Friday, Christmas Day and Boxing Day, and open 10am to noon on New Year's Eve. Open Monday to Saturday for night sessions (times vary depending on the season) for sky viewing through one of our telescopes (planetarium session if cloudy), and 3D movies about the Universe. Bookings are essential for night programs.

For more information, check the website at [www.sydneyobservatory.com.au](http://www.sydneyobservatory.com.au) or call (02) 9921 3485. Sydney Observatory is at Watson Road, Observatory Hill, in the historic Rocks area of Sydney.