

# Sydney Observatory night sky map

# August 2010

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

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

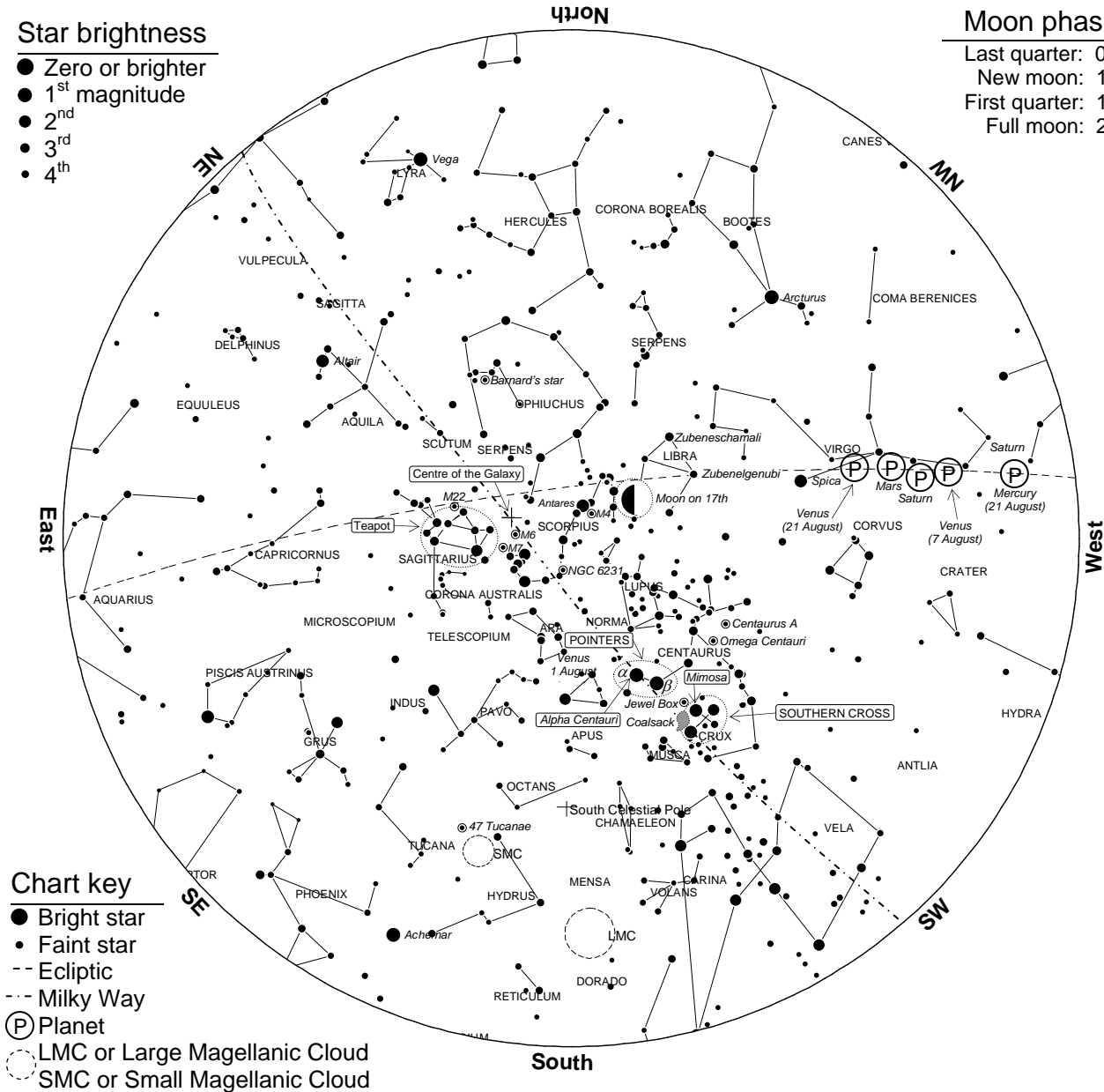
The star chart shows the stars and constellations visible in the night sky for Sydney, Melbourne, Brisbane, Canberra, Hobart, Adelaide and Perth for August 2010 at about 7.30 pm (Local Standard Time). For Darwin and similar locations the chart will still apply, but some stars will be lost off the southern 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 star 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

- Last quarter: 03rd
- New moon: 10th
- First quarter: 17th
- Full moon: 25th



High in the sky are the constellations Scorpius (the Scorpion) and Crux (the Southern Cross). The Southern Cross is easily located using the two nearby Pointer stars. Near the end of the Scorpion's tail is the unofficial constellation of the Teapot in Sagittarius. Venus, Mars and Saturn are visible to the west in the constellation of Virgo. On 13 August at 6.30 pm the crescent Moon is to the south of the planets. Later in the month Mercury can be seen low in the western sky. The first quarter Moon can easily be seen towards the north on the 17th.



Sydney Observatory, with a magnificent view overlooking Sydney Harbour, is open every day (except Christmas day and Good Friday) between 10 am and 5 pm and for night sessions (times vary depending on the season). View the sky nightly through one of our telescopes, and see 3D movies about the Universe. Bookings are essential for night programs.

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