

Night sky map

October 2022

STAR BRIGHTNESS

- Zero or brighter
- 1st magnitude
- 2nd
- 3rd
- 4th

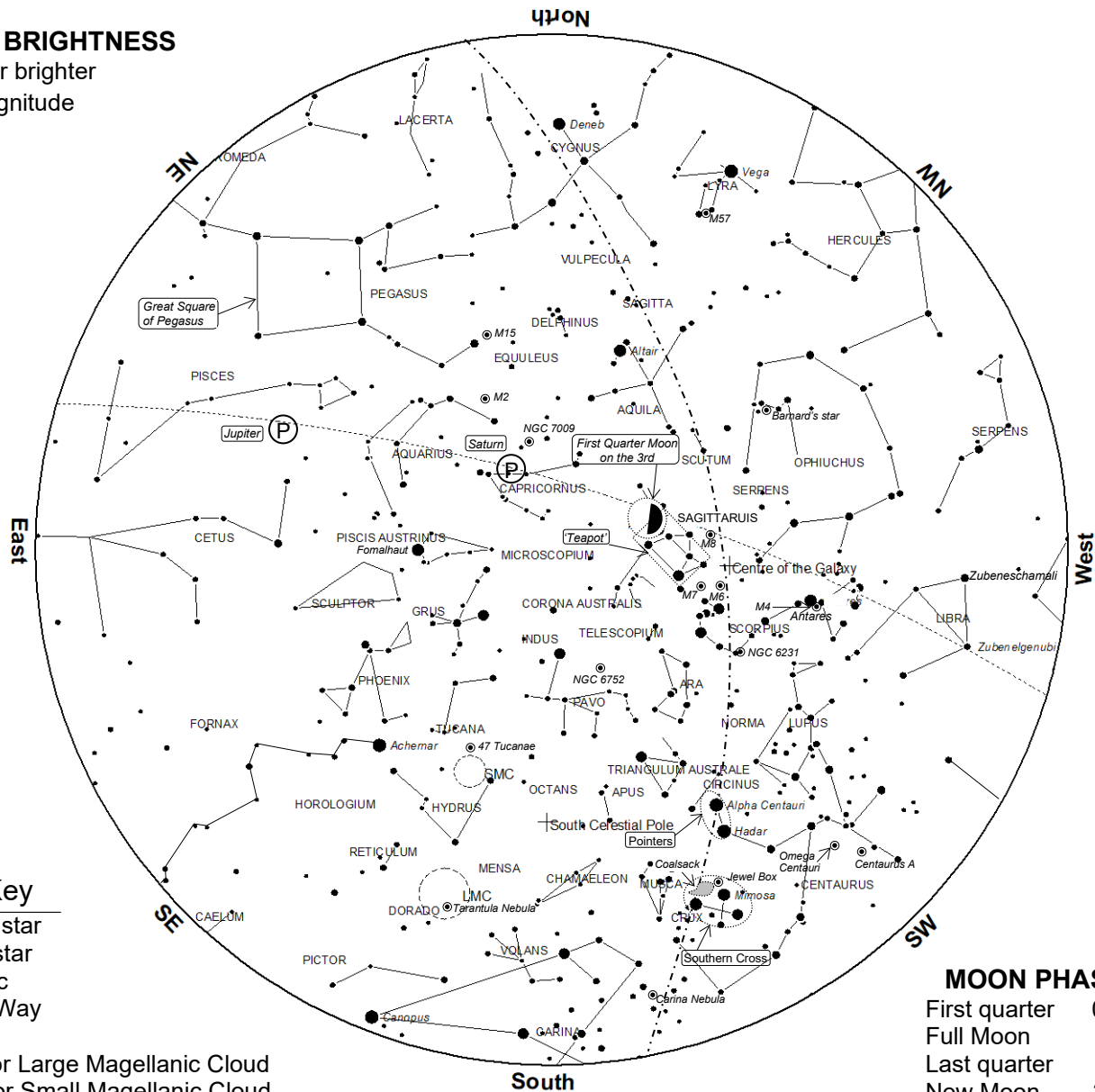


Chart Key

- Bright star
- Faint star
- Ecliptic
- Milky Way
- (P) Planet
- LMC or Large Magellanic Cloud
- SMC or Small Magellanic Cloud

MOON PHASE

First quarter	03rd
Full Moon	10th
Last quarter	18th
New Moon	25th

THE CHART

The star chart shows the stars and constellations visible in the night sky for Sydney, Melbourne, Canberra, Hobart and Adelaide for October at about 8.30pm (local daylight savings time) or about 7.30pm (local standard time) for Perth and Brisbane. For Darwin and similar northerly 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 on the star chart. To use this star chart, rotate the chart 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 point, and the outer circular edge represents the horizon.

HIGHLIGHTS IN OCTOBER 2022

The best time to look at the Moon with a small telescope or binoculars is a few days either side of its first quarter phase, which falls on the 3rd of October. Saturn is high overhead in the constellation Capricornus (the Sea Goat) and Jupiter is in the eastern sky in the constellation Pisces (the Fishes). Prominent in the sky this month are the constellations of Sagittarius (the Archer) and Aquila (the Eagle). To the south-west is the constellation Crux (the Southern Cross), which can be easily located using the two nearby stars commonly referred to as the Pointer Stars. The brighter of the two Pointer Stars, Alpha Centauri, is the closest star system to our own.