DECEMBER TIHEMA HIGHLIGHTS

Monoceros

Taken from the Greek name for unicorn, the monoceros is a one-horned creature represented by a constellation that you can currently see in the eastern sky. As it is a relatively faint constellation, you will need to be away from any light pollution in order to see it clearly. Monoceros can be found nestled between Orion and his two hunting dogs, Canis Major and the smaller Canis Minor.

Look towards the northeast, where you can spot Orion, the three bright stars in a row. Directly below this, you'll find Betelgeuse, and then look to the east to find Sirius, the brightest star in the night sky. Below these two is Procyon, from Canis Minor. Draw imaginary lines between Betelgeuse, Sirius, and Procyon, making the shape of a triangle. Inside this triangle you'll find most of the constellation Monoceros.

Pictured on the cover, the Christmas Tree cluster (in the NGC 2264 region) can be found in the Monoceros constellation, and is located about 2600 light years from Earth. The Christmas Tree cluster is a group of young stars that are largely obscured by heavy layers of dust clouds. Within these dust clouds, bright new stars are being formed.



Harry Potter Astronomy

As we enter summer, there are many connections to be seen between the night skies and J K Rowling 's Harry Potter series. Sirius Black, Harry's godfather, was named after the brightest star in the sky, Sirius. This star belongs to the constellation Canis Major, Latin for 'greater dog' and representing one of the huntsman Orion's dogs. This star is nicknamed the Dog Star, which is fitting, as Sirius Black's animagus form was a dog. Currently, Sirius is above the eastern horizon.

The Black family has many astronomical links. Orion Black was the father of Sirius, bearing the name of the constellation Orion, located next to Canis Major. Bellatrix Lestrange, Sirius Black's cousin, receives her first name from the star that marks Orion's left shoulder. These stars can be found in the Northeast, close to Canis Major.

One character with a connection to both astronomy and New Zealand is Merope Gaunt, the mother of Lord Voldemort. Her name originates from the star Merope, one of the 'seven sisters' in the Pleiades star cluster, known as Matariki in New Zealand. The rising of Matariki in the early winter mornings signals the beginning of the Māori New Year, but it can also be seen during the summer nights. Look for a fuzzy, bright cluster of stars in the northern sky.

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THE SKY TONIGHT TE ÄHUA O TE RAKI I TENEI PÖ



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