

NAMIBIA Scientific Society Wissenschaftliche Gesellschaft

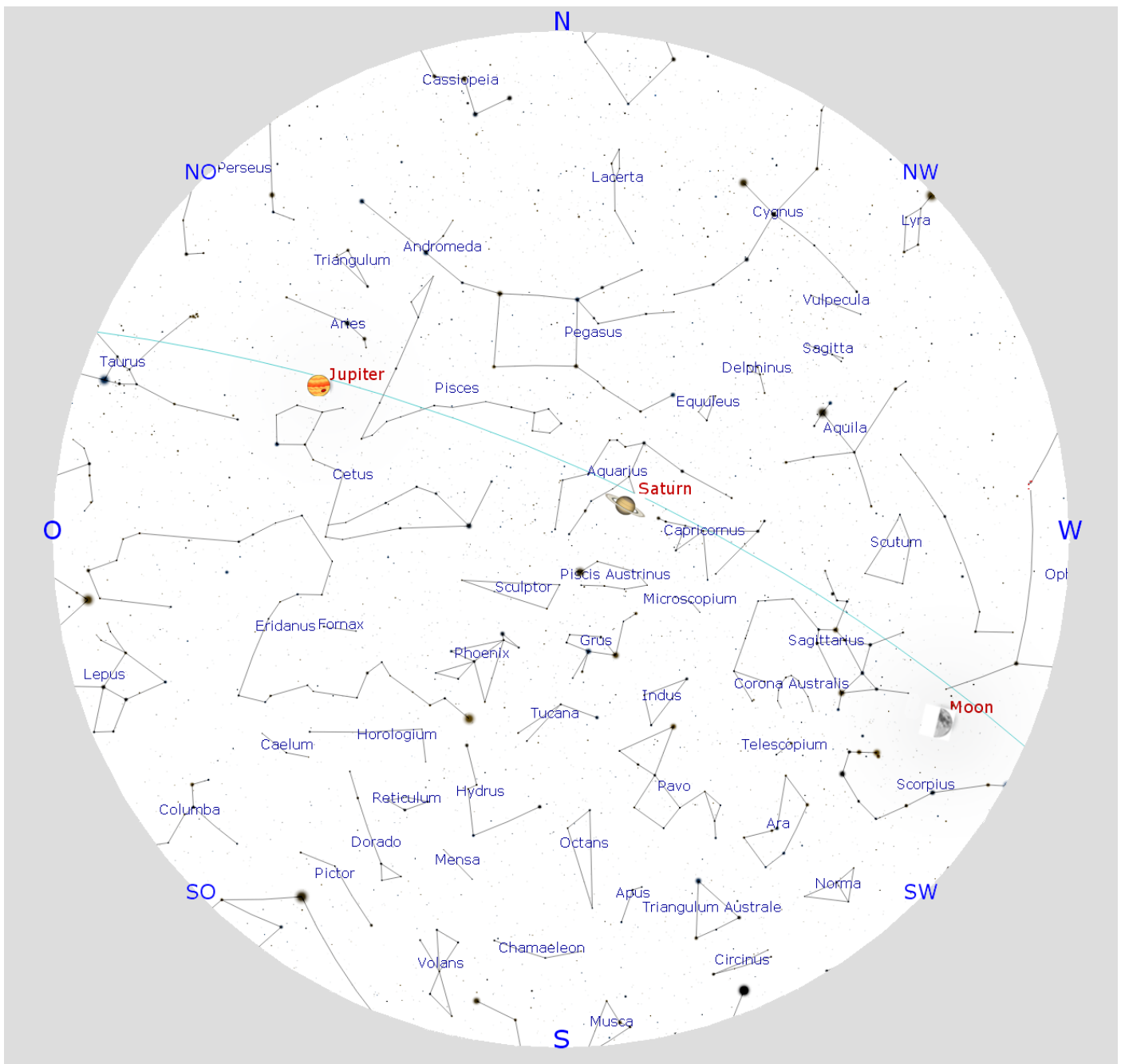
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110 Robert Mugabe Ave., Windhoek, Namibia

Astronews November 2023

©2022/2023 by Wolfgang Paech + Franz Hofmann, Team Chamäleon - Onjala + Rooisand Observatory, Namibia
for Namiba Scientific Society, English version by Irene Bader



Night Sky above Windhoek during November 2023

Moon Phases

November 5	Last Quarter	November 20	First Quarter
November 13	New Moon	November 27	Full Moon

Crux lies very low in the southeast after sunset with the two pointers slightly more visible, not to be confused with the False Cross, which is easier to find around midnight, also situated in the southeast. However, before sunrise, Crux will be seen in the southwest again. From there the Milky Way can be traced through the zenith up to Sirius in the west. After sunset, Jupiter can be spotted low in the west during the first part of the month. During the remaining time of the month, it will be lost in the solar glare.

The Moon will pass through the Pleiades during the early morning hours of November 27. It will almost take two hours to cross the cluster, an event which might be worth observing through your binoculars.

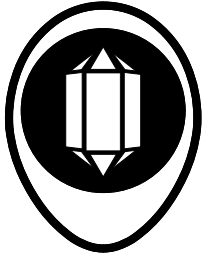
Did you know?

There are two groups of asteroids circulating Earth.

The Apollo Group is the definition for a group of asteroids which are crossing Earth's orbit around the Sun. The average distances between these asteroids and the Sun are greater than that of Earth to Sun. The largest Apollo member is Sisyphus with a diameter of 8km. The Apollo asteroids were once thought to be the extinct nuclei of comets. Scientists now know that Jupiter with its strong gravitational pull contributes to the fact that these asteroids are perturbed from the nearby Kirkwood Gap in the asteroid belt, which lies between Mars and Jupiter, also known as the main belt.

The Aten Group are the second group of asteroids. They also cross the orbit of Earth

around the Sun, but their average distances from the Sun are less than that of Earth to Sun. The Aten Group contains fewer members than the Apollo Group, but both groups are also known as the Earth-crossing asteroids.



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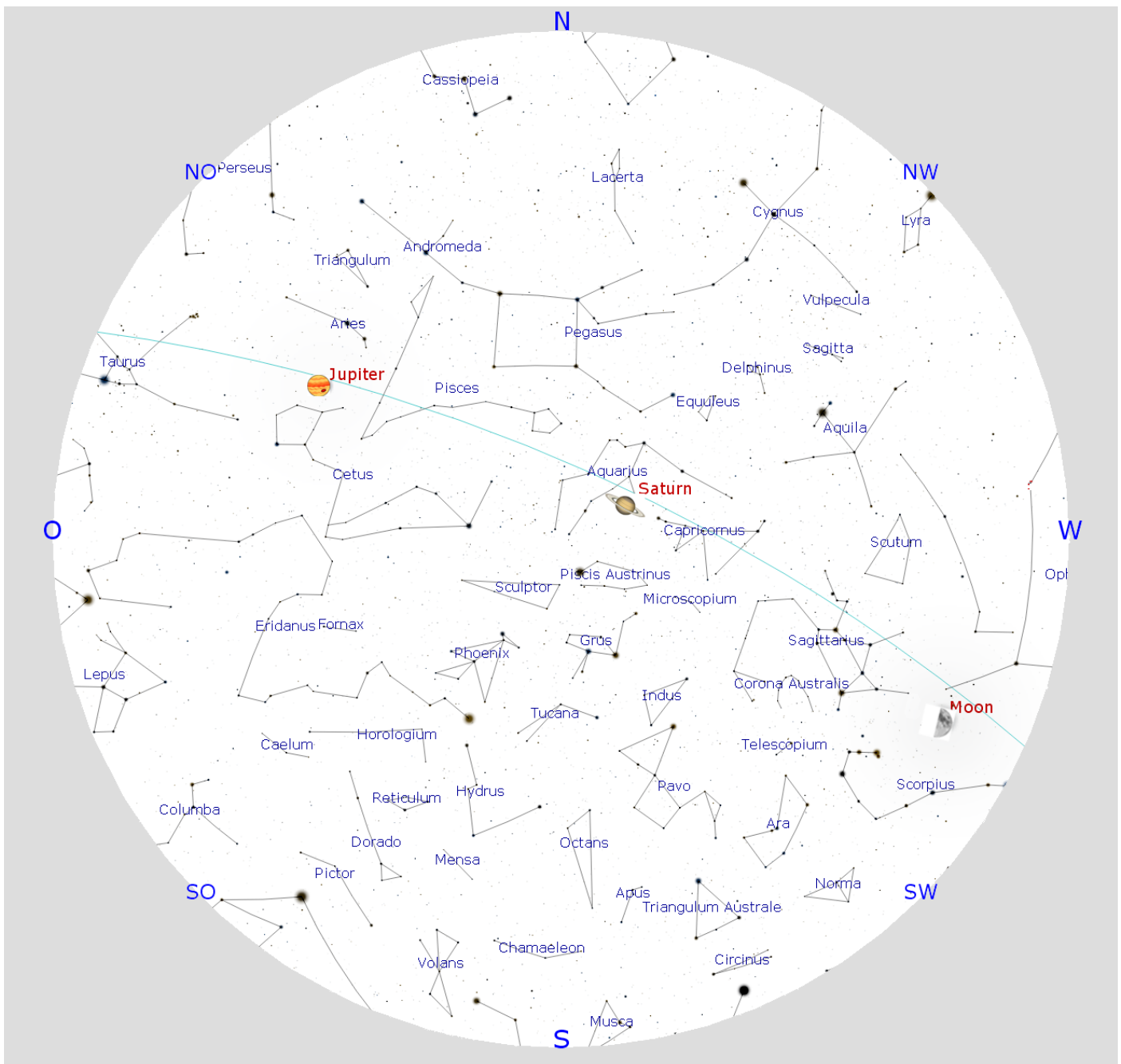
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Himmel über Windhoek am 15. November 2023 gegen 20:30 Uhr. Planeten: Mitte des Monats zeigt sich Merkur am Abendhimmel, Venus dominiert den Morgenhimmel. Mars ist unbeobachtbar. Saturn nur noch in der ersten Nachthälfte, Jupiter die ganze Nacht sichtbar.

Sonnenaufgang: 05:54

Sonnenuntergang: 19:18

Die Mondphasen für November 2023

Neumond	13. November
1. Viertel	20. November
Vollmond	27. November
Letztes Viertel	05. November

Der Sternenhimmel

Im Nordwesten geht das Sternbild Leier unter, vom Skorpion ist in Richtung Südwest nur noch der „Stachel“ des Skorpions sichtbar. Der Pegasus erreicht seine höchste Stellung über dem Horizont in nördlicher Blickrichtung.

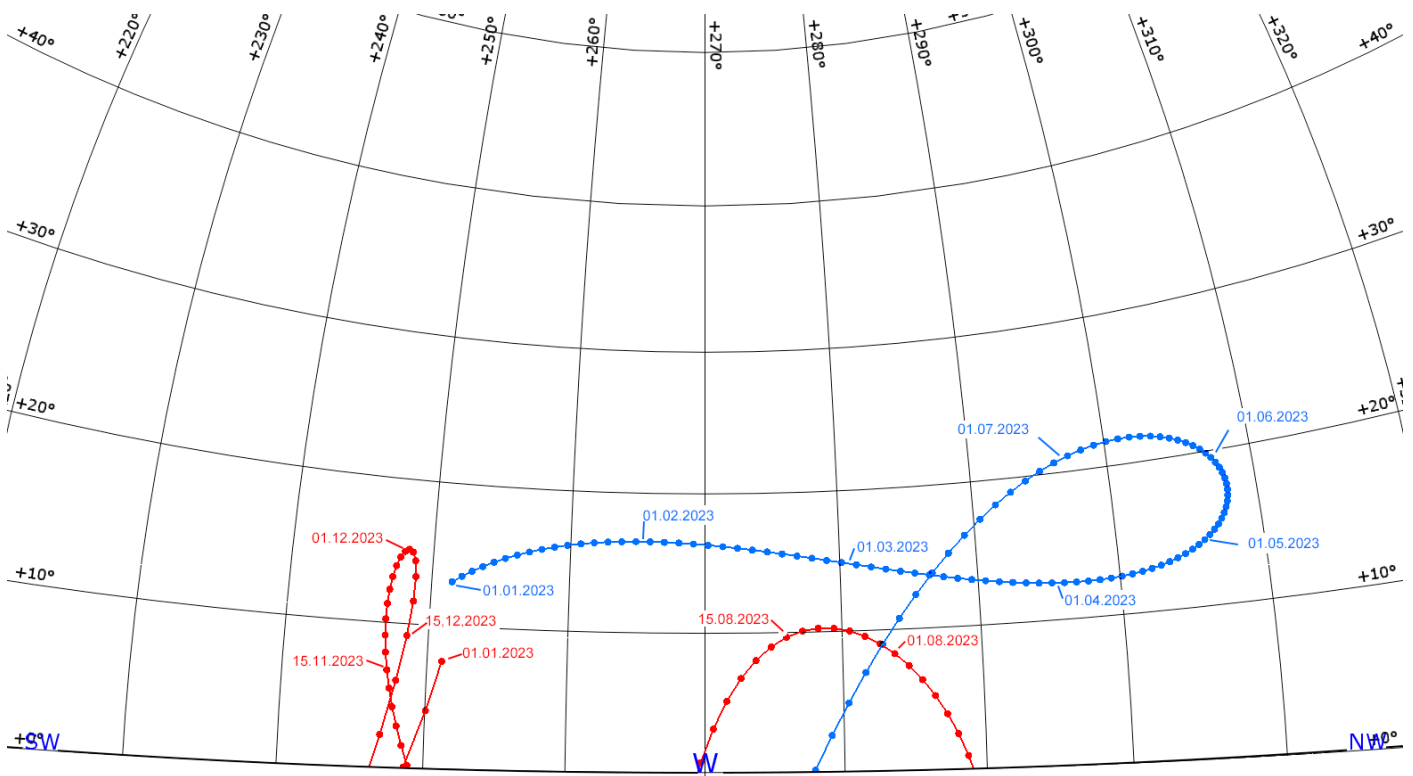
Es ist eine „arme“ Zeit an hellen Sternen am Himmel. Von der Milchstraße ist nicht mehr viel zu sehen.

Mond und Planeten im November 2023

(M = Morgenhimmel, A = Abendhimmel)

03.11 Jupiter steht in Konjunktion zur Sonne. Das bedeutet, dass der Riesenplanet die ganze Nacht sichtbar ist. Geht die Sonne unter, geht Jupiter am Osthorizont auf. Bei Sonnenaufgang geht Jupiter dann am Westhimmel unter [A/M].

15.11. Ab Mitte des Monats gibt es eine kurze Abendsichtbarkeit des Planeten Merkur. Gegen Ende des Monats erreicht Merkur mit 16 Grad seine maximale Höhe über dem Horizont. Sonnenuntergang am 1. Dezember ist gegen 19:30, Merkur geht dann 1,5 Stunden nach der Sonne unter.



Position of --- Mercury --- Venus every second day

Die Abendsichtbarkeit des Planeten Merkur in der 2. Monatshälfte des November