

The Evening Sky Map

FREE* EACH MONTH FOR YOU TO EXPLORE, LEARN & ENJOY THE NIGHT SKY

Sky Calendar – January 2023

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- 3 **Moon near the Pleiades** at 5h UT (evening sky).
- 3 **Moon near Mars** at 21h UT (evening sky). Mag. -1.1 . Occultation visible from southern Africa.
- 3 **Moon near Aldebaran** at 22h UT (evening sky).
- 4 **Quadrantid Meteor Shower** peaks at 4h UT. Active between December 26 and January 16. Expect up to 25 meteors per hour under dark skies. Radiant is in northern Boötes. Moonlight interferes this year.
- 4 **Earth at Perihelion** (closest to Sun) at 16h UT. The Sun-Earth distance is 0.983296 a.u. (147.1 million kilometers).
- 6 **Full Moon** at 23:09 UT.
- 8 **Moon at apogee** (farthest from Earth) at 9h UT (distance 406,458km; angular size 29.4').
- 8 **Moon near Beehive cluster M44** at 19h UT (morning sky).
- 10 **Moon near Regulus** at 17h UT (morning sky).
- 14 **Mars at northernmost declination** at 11h UT.
- 15 **Last Quarter Moon** at 2:12 UT.
- 15 **Moon near Spica** at 3h UT (morning sky).
- 18 **Moon near Antares** at 12h UT (morning sky).
- 21 **New Moon** at 20:54 UT. Start of lunation 1238.
- 21 **Moon at perigee** (closest to Earth) at 20:55 UT (distance 356,569km; angular size 33.5').
- 22 **Venus 0.34° SE of Saturn** at 23h UT (evening sky). Mags. -3.9 and 0.8 .
- 23 **Moon, Venus and Saturn** within a circle of diameter 3.6° at 10h UT (22° from Sun, evening sky). Mags. -3.9 and 0.8 .
- 26 **Moon near Jupiter** at 4h UT (evening sky). Mag. -2.2 .
- 28 **First Quarter Moon** at 15:19 UT.
- 30 **Mercury at greatest elongation west** at 6h UT (25° from Sun, morning sky). Mag. -0.1 .
- 30 **Moon near the Pleiades** at 10h UT (evening sky).
- 31 **Moon near Mars** at 5h UT (evening sky). Mag. -0.3 . Occultation visible from southern USA, Mexico, Central America, and NW South America.

More sky events and links at <http://Skymaps.com/skycalendar/>

All times in Universal Time (UT). (USA Eastern Standard Time = UT - 5 hours.)



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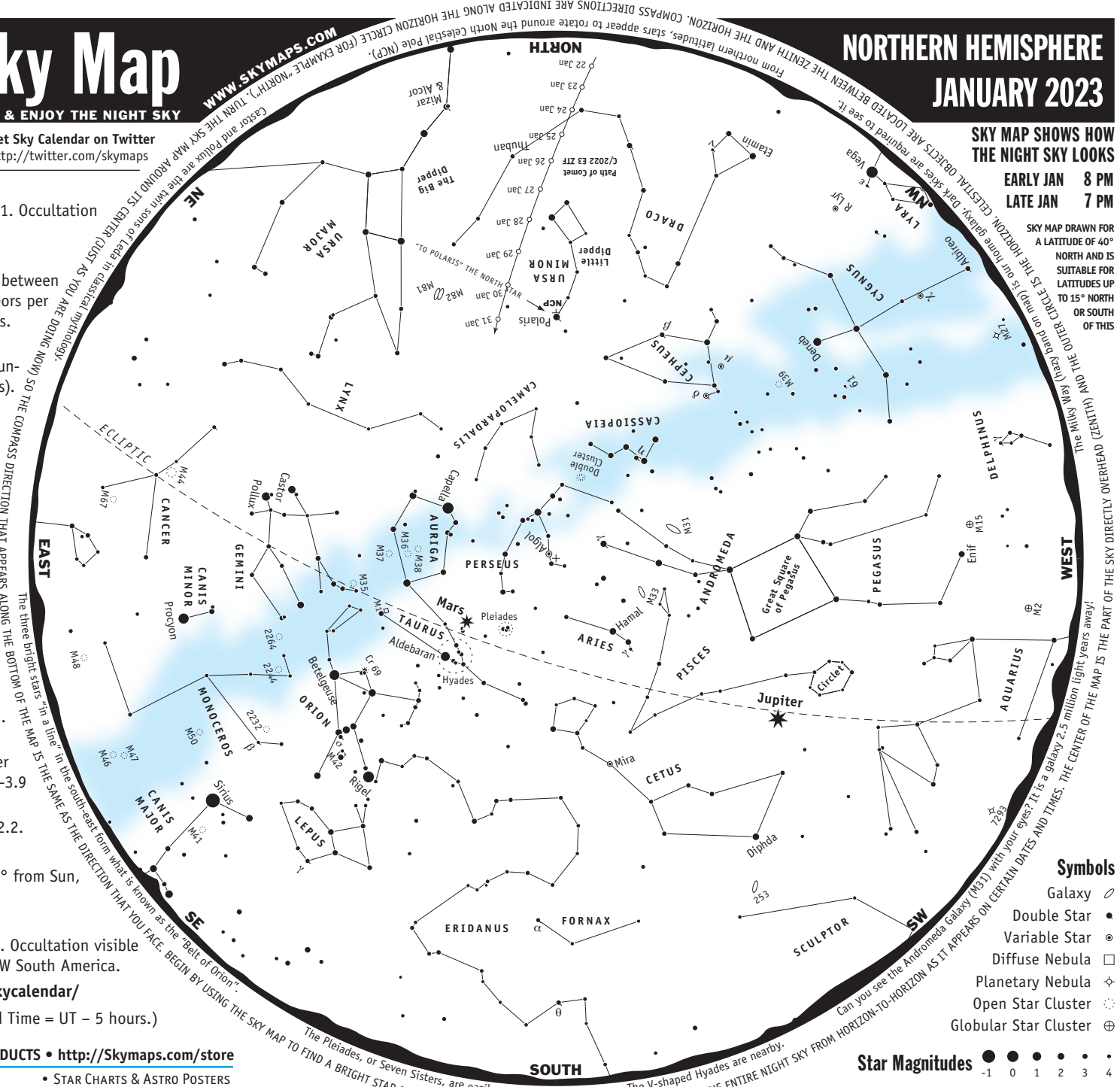
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 - BOOKS FOR SKY WATCHERS
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NORTHERN HEMISPHERE JANUARY 2023

SKY MAP SHOWS HOW THE NIGHT SKY LOOKS

EARLY JAN 8 PM
LATE JAN 7 PM

SKY MAP DRAWN FOR A LATITUDE OF 40° NORTH AND IS SUITABLE FOR LATITUDES UP TO 15° NORTH OR SOUTH OF THIS



- ### Symbols
- Galaxy ☾
 - Double Star ●●
 - Variable Star ⊙
 - Diffuse Nebula □
 - Planetary Nebula ☆
 - Open Star Cluster ○
 - Globular Star Cluster ⊕

Star Magnitudes ●●●●●
-1 0 1 2 3 4

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The Pleiades, or Seven Sisters, are easily seen with the naked eye. The V-shaped Hyades are nearby.

INSTRUCTIONS: THE SKY MAP SHOWS THE ENTIRE NIGHT SKY FROM HORIZON-TO-HORIZON AS IT APPEARS ON CERTAIN DATES AND TIMES. THE CENTER OF THE MAP IS THE PART OF THE SKY DIRECTLY OVERHEAD (ZENITH) AND THE OUTER CIRCLE IS THE HORIZON. CELESTIAL OBJECTS ARE LOCATED BETWEEN THE ZENITH AND THE HORIZON. COMPASS DIRECTIONS ARE INDICATED ALONG THE HORIZON CIRCLE (FOR EXAMPLE "NORTH").

