

STARRY NIGHTS



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PLANETARIUM



November 2018

HOW TO USE THIS MAP

MPM's sky map shows the night sky as it appears on various dates and times. The sky lies overhead so we've designed the map to be held above your head. Compass directions are indicated along the edge of the circle. Turn the sky map around its center so the compass direction that appears along the bottom of the map is the same as the direction that you face. Begin by using the sky map to find a bright star pattern in the sky.

BEST VIEWS

This chart should be used within an hour of the times listed: November 1 at 8 p.m., November 15 at 7 p.m., and November 30 at 6 p.m. It is drawn for 43 degrees latitude but may be applied throughout the continental United States.

NOVEMBER MORNING SKY

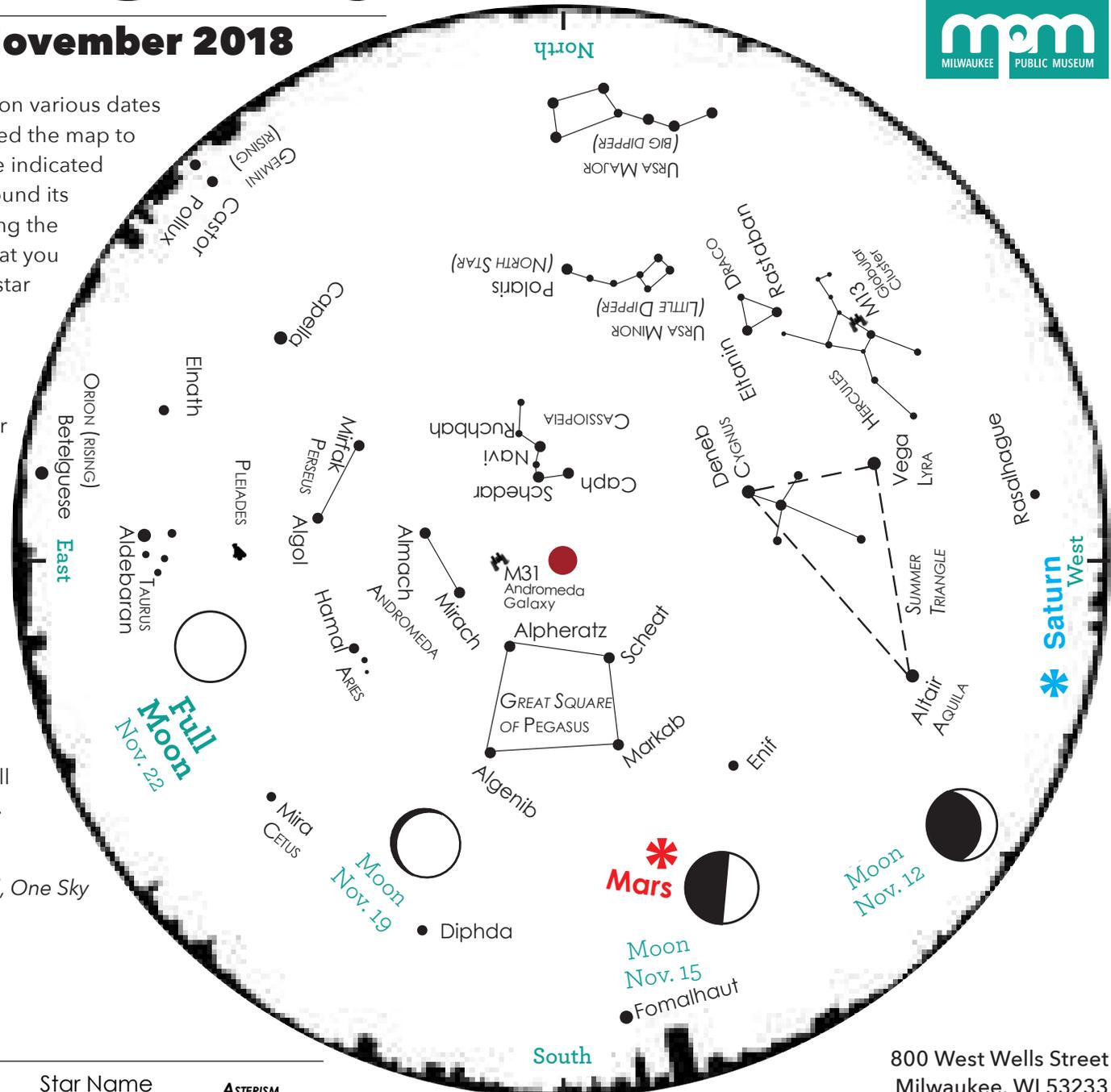
Venus will be very bright in the SE morning sky. It will be very low and hard to see at the start of the month as it rises only 35 minutes before the Sun. By month's end, Venus rises over 3 hours before sunrise and will be much higher/easier to spot. The bright star Spica in Virgo shines near Venus all month; their closest pairing will be November 17.

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STAR MAGNITUDES: ●●●●●
0 1 2 3 4

Star Name
KEY: CONSTELLATION Asterism
 Binocular sights

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