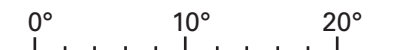


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An aid to enjoying the changing sky

Use this scale to measure angular distances between objects on diagrams below.



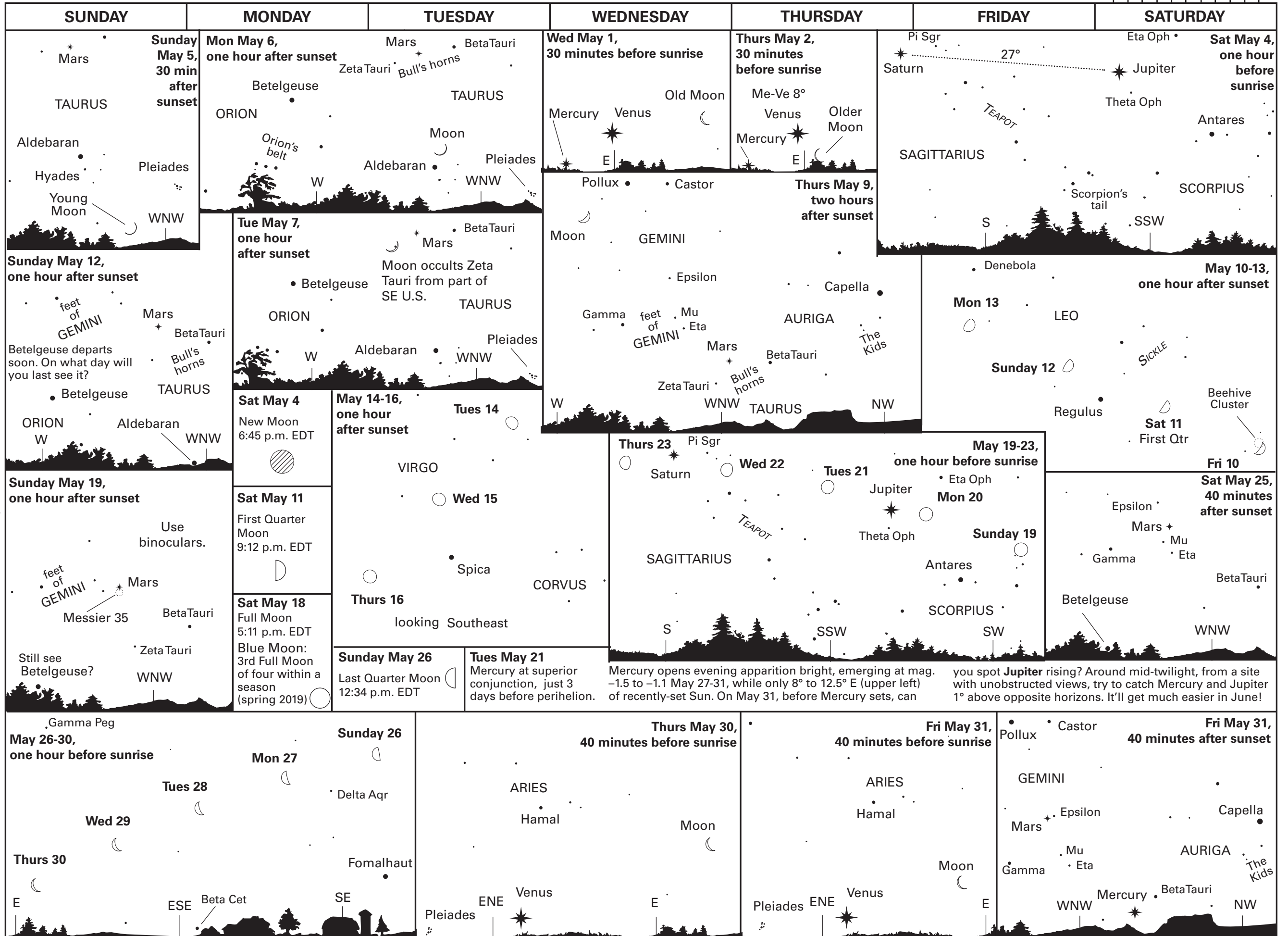
Evening: Mars fades from mag. +1.6 to +1.8 in WNW at dusk. Watch Mars pass between Beta and Zeta Tauri, tips of Bull's horns, on May 6. Crossing into Gemini on May 16, Mars goes 2.0° N of Eta and Mu, 3rd-mag stars 1.9° apart in Castor's foot, May 21-24. On May 31, Mars is 0.9° S of 3rd-mag Epsilon Gem. **Mercury:** See May 21, 31.

Late evening until dawn: Bright Jupiter, in Ophiuchus, on May 1 rises within 15° lower left of Antares 3.3 hours after sunset, as Mars sets. **Saturn** in Sagittarius rises within two hours later. Jupiter rises half an hour earlier each week, and by May 31 rises 12° lower left of Antares 40 minutes after sunset, with Saturn still following J by two hours. In May, Jupiter in south 2-4 hours before sunrise. Jupiter and Saturn will reach opposition as Earth overtakes them, on June 10 and July 9. In May, Jupiter (mag. -2.5 to -2.6) and Saturn (+0.5 to +0.3) brighten slowly and stay 27°-29° apart, as both retrograde, by 3.0° and 0.8°, respectively. Jupiter passes 2.5° N of 3.3-mag. Theta Oph May 23-24.

In morning twilight, find bright **Jupiter** in SSW to SW, lower as month progresses, with red Antares, heart of Scorpius, 15° to 12° to its lower right; and **Saturn**, passing through south during May; and **Venus**, very low in E to ENE in brightening twilight. Binoculars may show **Mercury** lower left of Venus first few days; see May 1, 2.

Moon: Catch old crescent south of Venus before sunup on May 1. Evenings: Sighting of young crescent after sunset on Sunday, May 5 marks start of Ramadan. Watch waxing Moon pass Aldebaran on May 6, Mars on May 7, Pollux on May 9, Regulus on May 11 (First Qtr) and 12, and Spica May 15-16. Look two hours after sunset for three nights: May 18 for Antares 11° below the Full Moon; May 19 for Jupiter 7° to Moon's lower left; and May 20 for Moon rising 6° lower left of Jupiter. Rather than stay up late, you can switch to mornings to catch waning gibbous Moon passing Antares, Jupiter, and Saturn May 19-23. Last Quarter occurs May 26. Finally, catch last old crescent near Venus on June 1. For more info visit: abramsplanetarium.org/msta

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