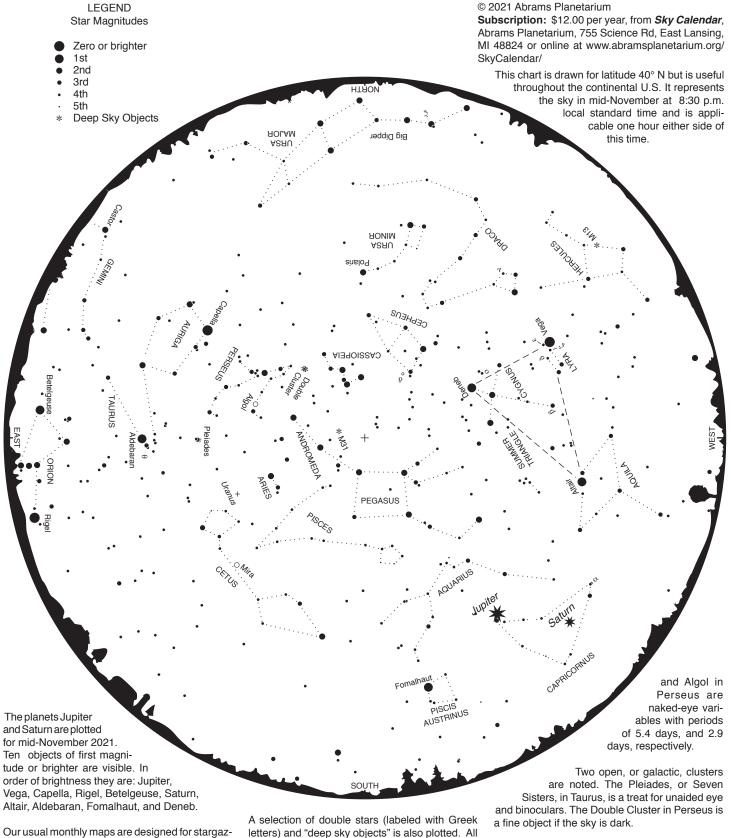
November Evening Skies



Our usual monthly maps are designed for stargazers just beginning to find their way around the sky. This month's map is useful for serious stargazers from dark locations. It contains many more stars, inclusive to magnitude 4.5, and some fainter stars as needed to complete patterns or assist in locating special objects.

A selection of double stars (labeled with Greek letters) and "deep sky objects" is also plotted. All are visible with modest equipment; most are within the range of the unaided eye or binoculars.

The double stars, in order of decreasing angular separation, are ζ UMa, δ Lyr, α Cap, o Cyg, $\,\theta$ Tau, ϵ Lyr, ν Dra, ζ Lyr, β Cyg. The stars δ in Cepheus,

M31 is the famous Andromeda Galaxy, a collection of 300 billion stars located 2.5 million light years from Earth. It is barely visible to the unaided eye as a smudge of light. Binoculars in a dark location reveal an impressive oval.