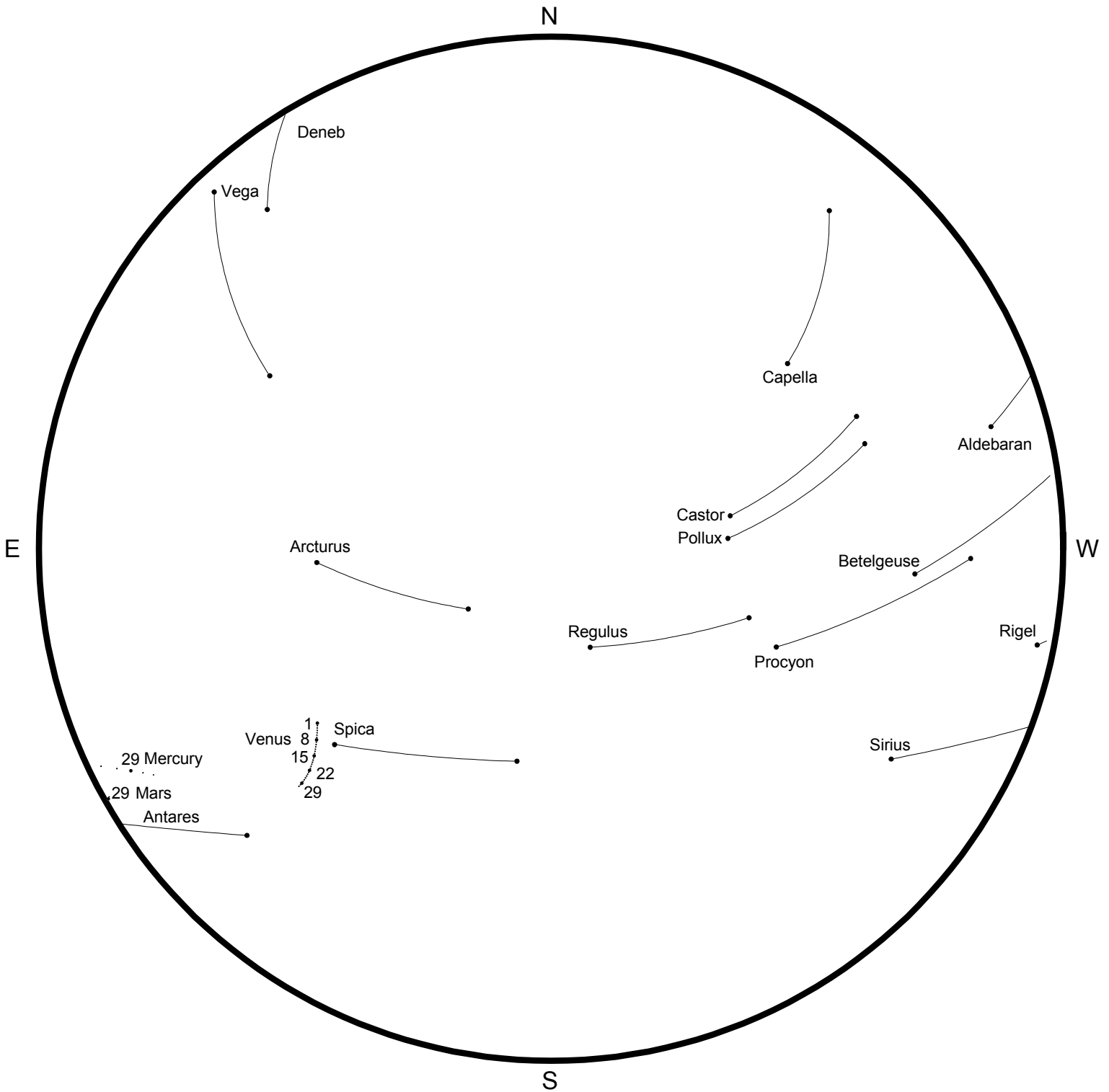


Planets and Bright Stars in Morning Mid-Twilight For December, 2023

This sky chart is drawn for latitude 34 degrees north,
but may be used in southern U.S. and northern Mexico.



Morning mid-twilight occurs when
the Sun is 9° below the horizon.
Dec. 1: 42 minutes before sunrise.
15: 43 " " "
31: 44 " " "

Stereographic Projection
Map by Robert D. Miller