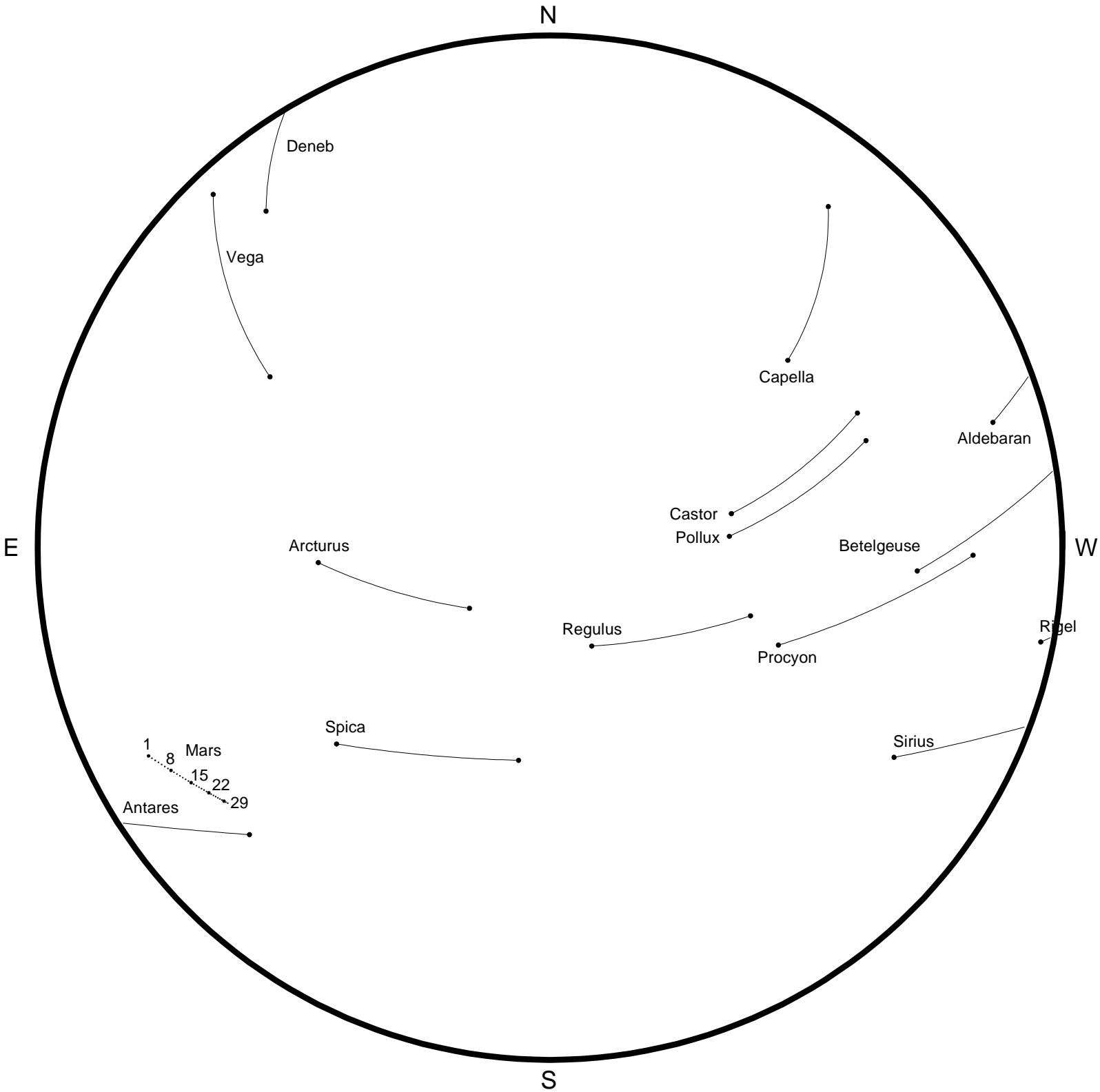


Planets and Bright Stars in Morning Mid-Twilight For December, 2021

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 Sun is 9° below horizon.
Dec. 1: 43 minutes before sunrise.
15: 44 " " "
31: 44 " " "

Stereographic Projection
Map by Robert D. Miller