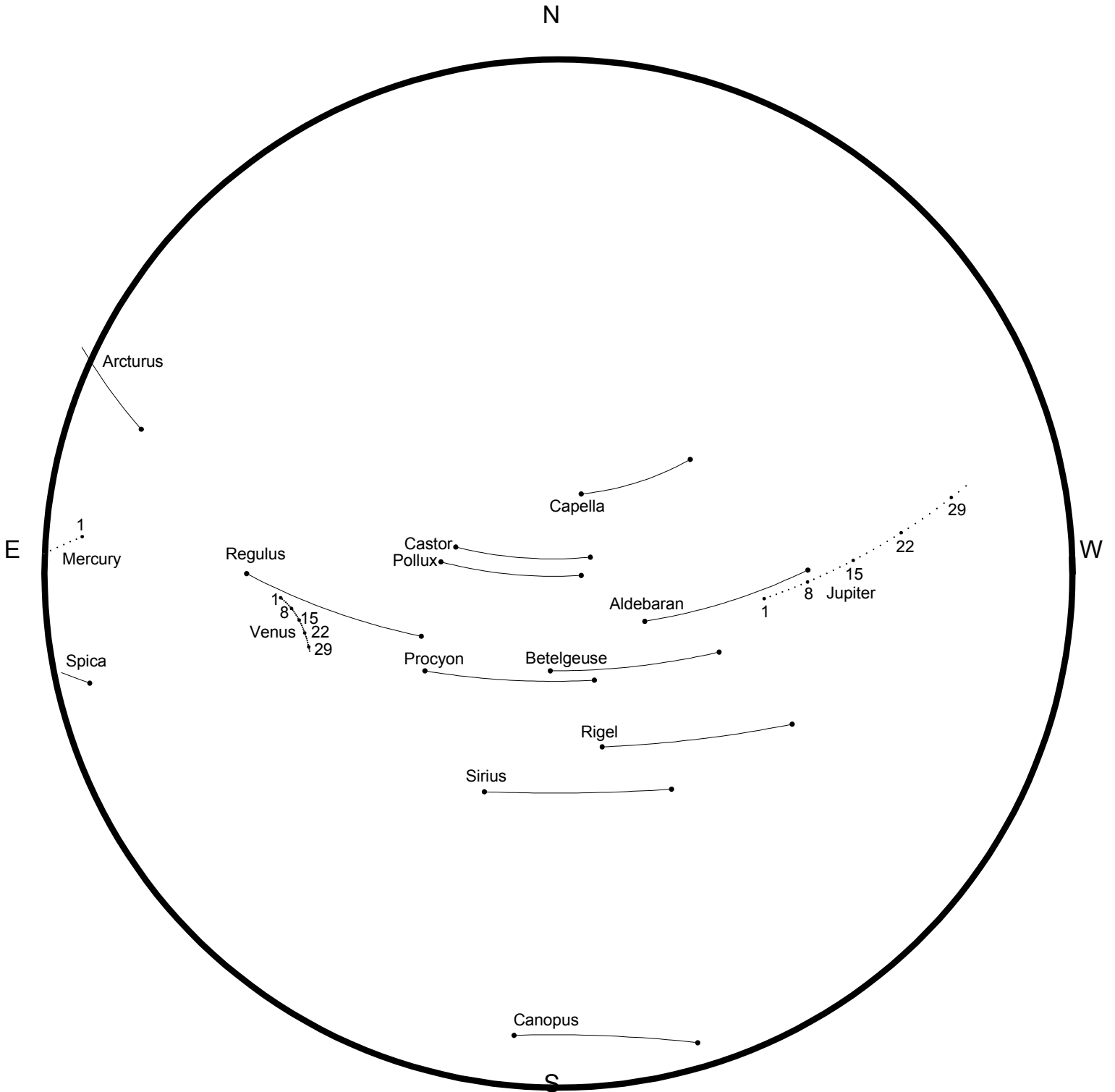


# Planets and Bright Stars in Morning Mid-Twilight For October, 2023

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  $9^\circ$  below the horizon.  
Oct. 1: 40 minutes before sunrise.  
15: 39 " " "  
31: 41 " " "

Stereographic Projection  
Map by Robert D. Miller