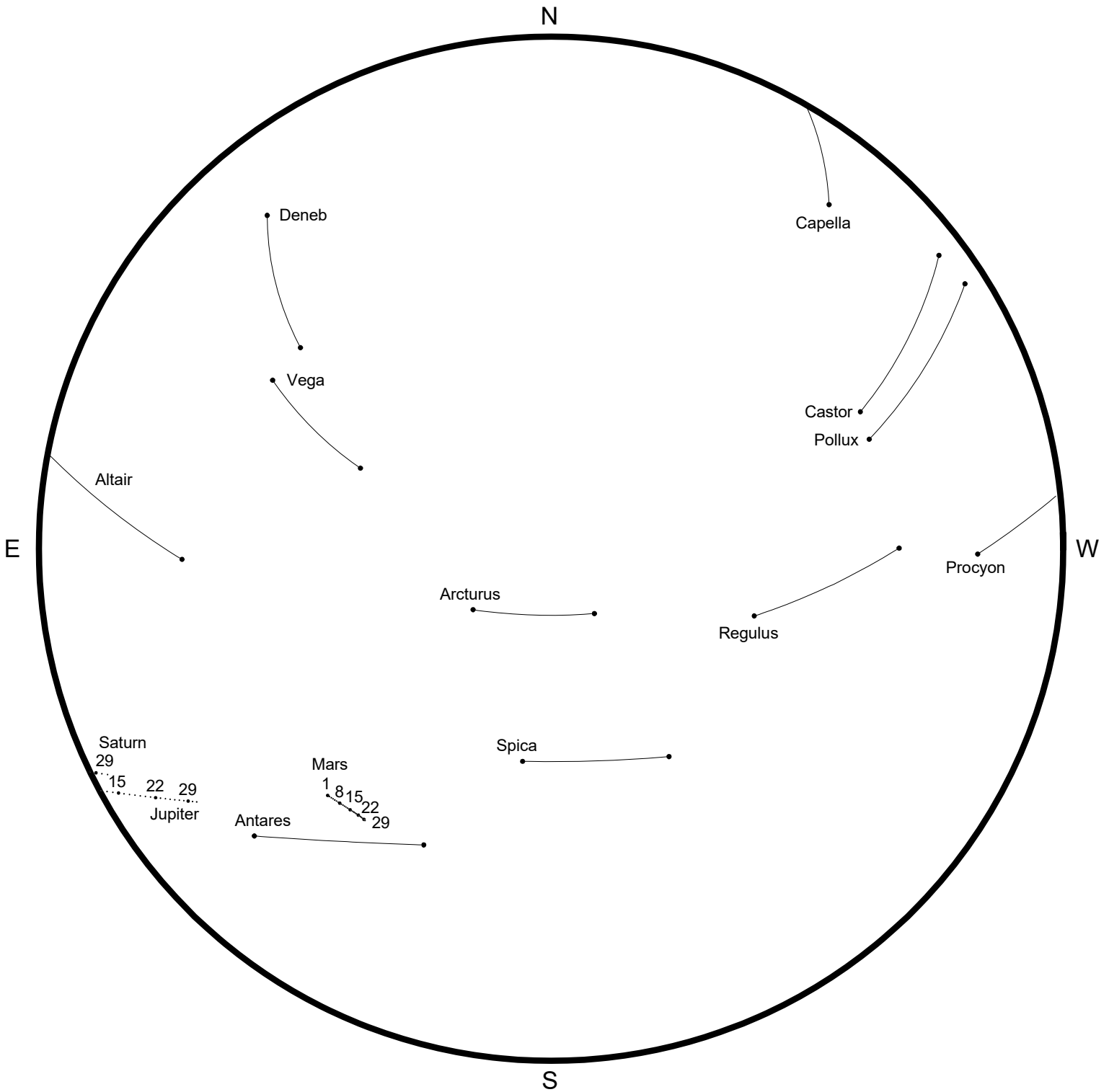


# Planets and Bright Stars in Morning Mid-Twilight For January, 2020

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  $9^\circ$  below horizon.  
Jan. 1: 44 minutes before sunrise.  
15: 43 " " "  
31: 41 " " "

Stereographic Projection  
Map by Robert D. Miller