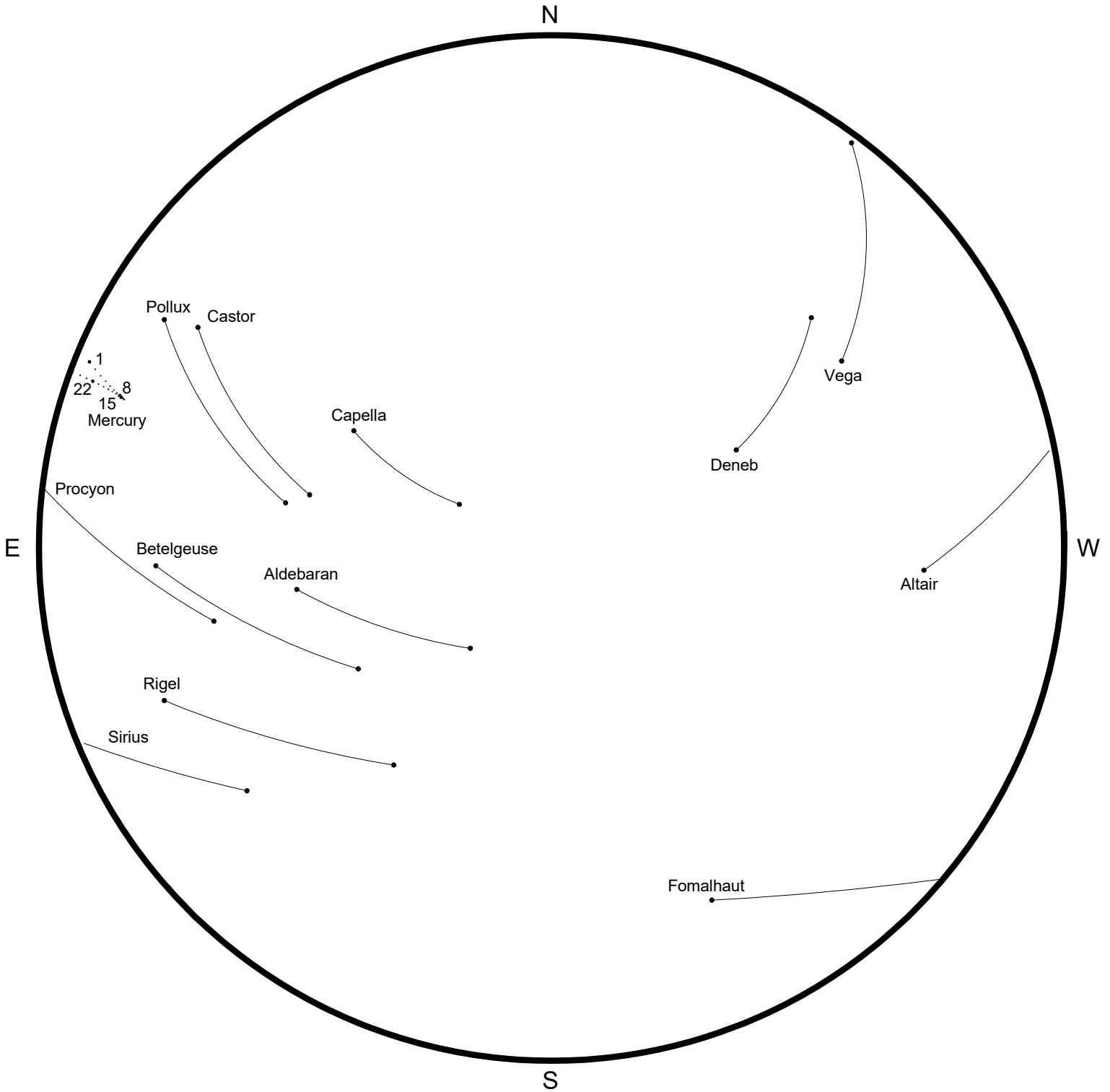


# Planets and Bright Stars in Morning Mid-Twilight For August, 2019

This sky chart is drawn for latitude 40 degrees north,  
but may be used in continental U.S. and southern Canada.



Morning mid-twilight occurs  
when Sun is  $9^{\circ}$  below horizon.  
Aug. 1: 49 minutes before sunrise.  
15: 47 " " "  
31: 44 " " "

Stereographic Projection  
Map by Robert D. Miller