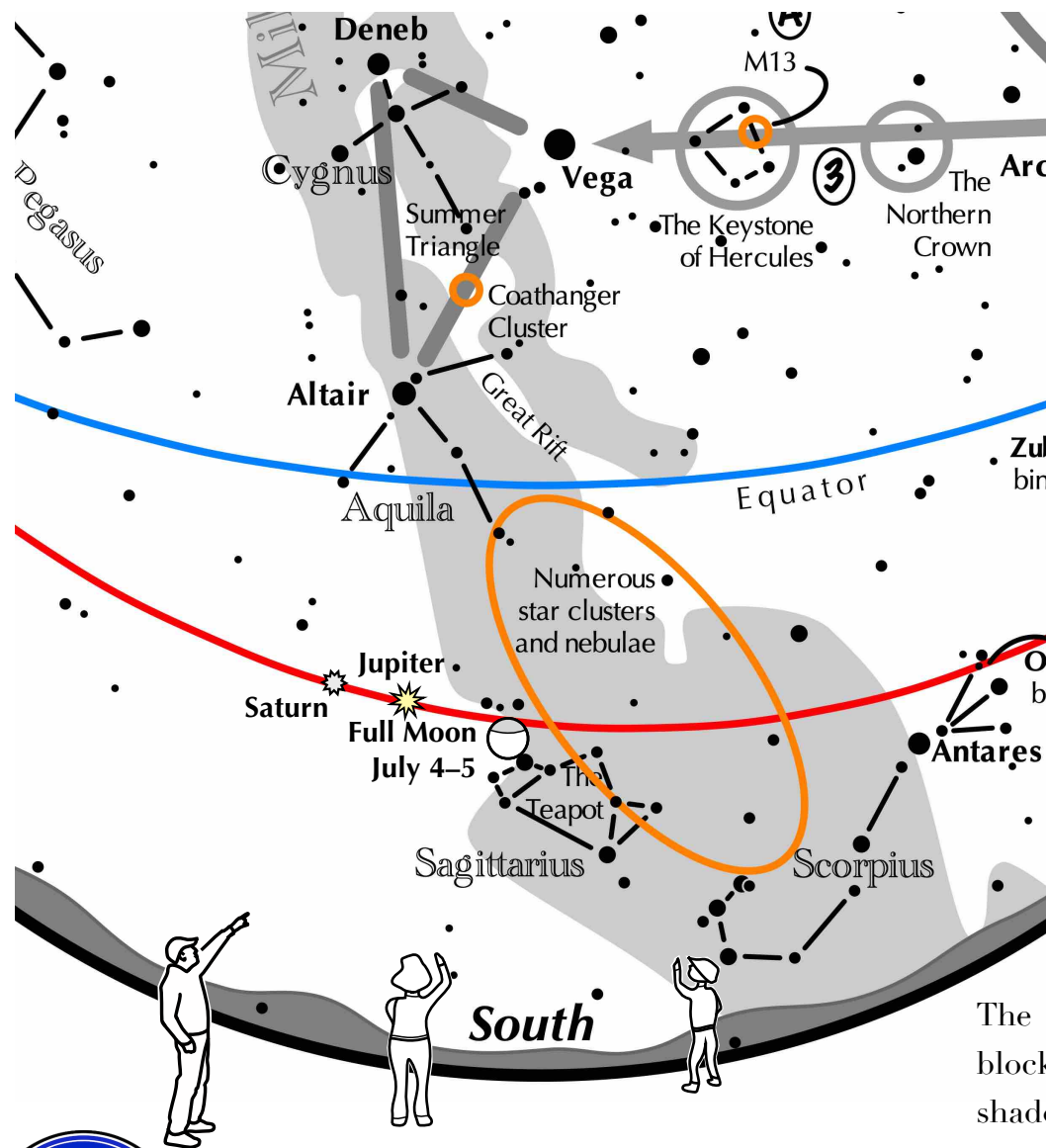
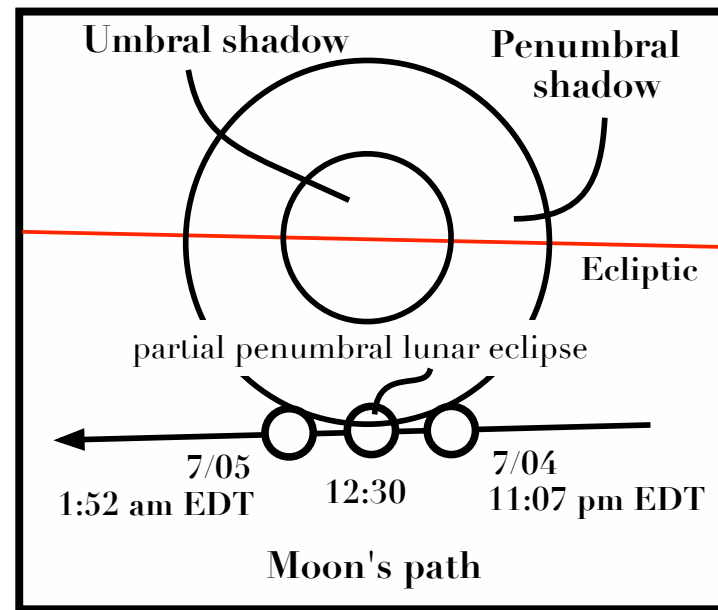


If you have a clear southern horizon on the night of July 4, try this challenge:



View to the south from July 4 at 11 pm
through July 5 at 2 am EDT



The Moon slides through a partial penumbral eclipse

Two weeks after a solar eclipse, a lunar eclipse often occurs. June 20 saw a partial solar eclipse and on the night of July 4, a lunar eclipse follows. But it will be an unusual event in that it will be a partial penumbral eclipse.

The penumbral shadow is caused by an opaque body not blocking all the light from an illuminating body. As a result, the shadow isn't completely dark, only partially so. In this case, the opaque body is the Earth, the illuminating source is the sun.

On July 5 at 12:30 a.m. EDT, the penumbral shadow covers only the northern 1/3 of the lunar disk. It may not be an obvious sight. Can you spot it?