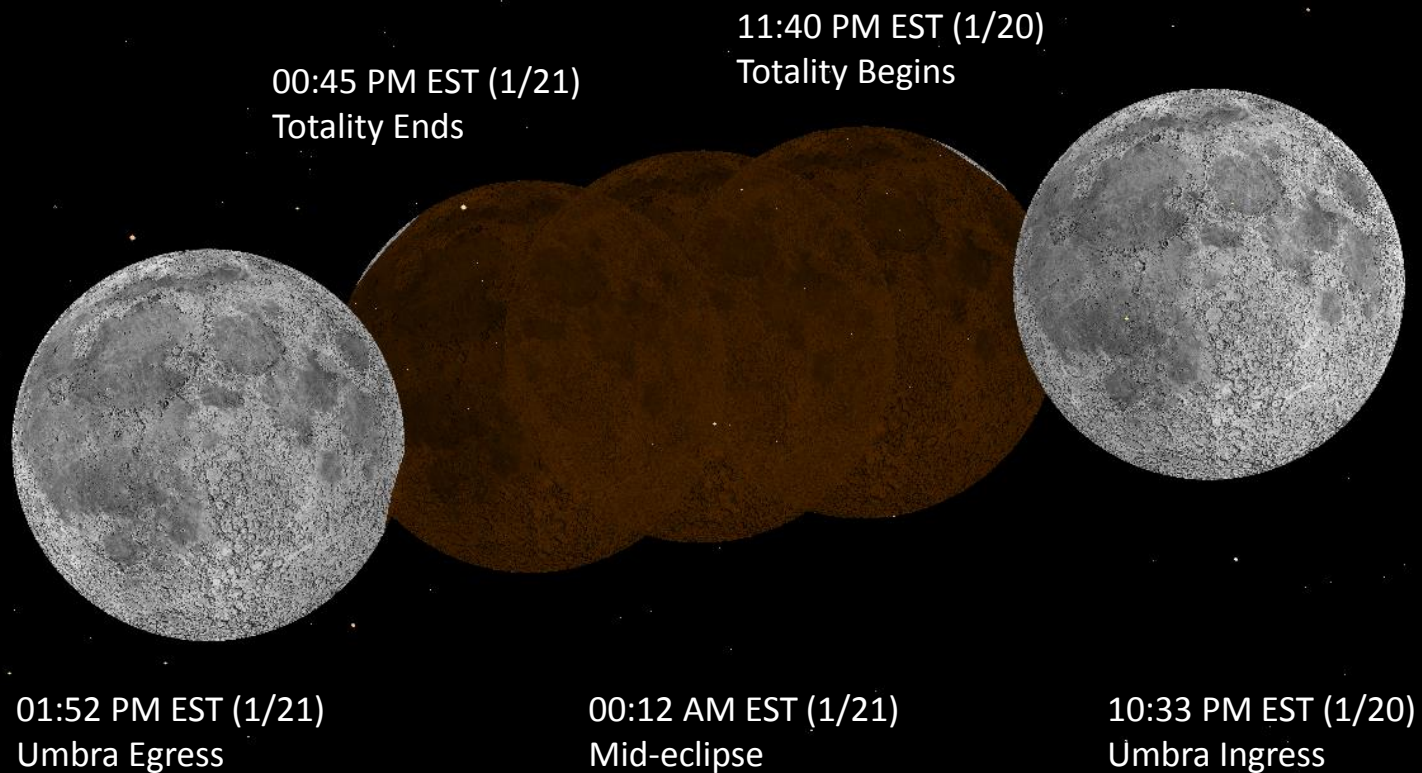


# MacAdam Student Observatory

## Total Lunar Eclipse: January 20-21, 2019



Position of the Moon is with respect to the stars.

The Earth's shadow moves through a small arc during the 3 hour, 19 min umbral phase.