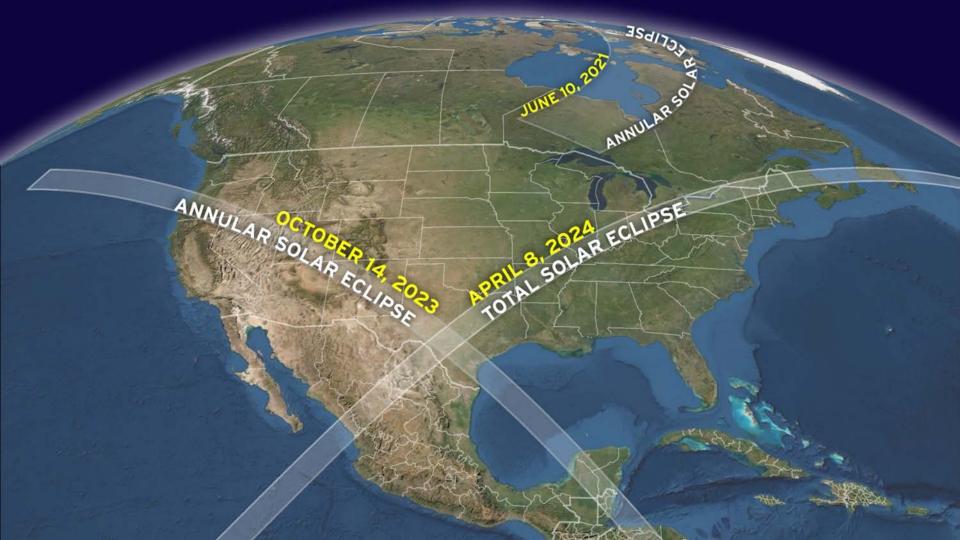
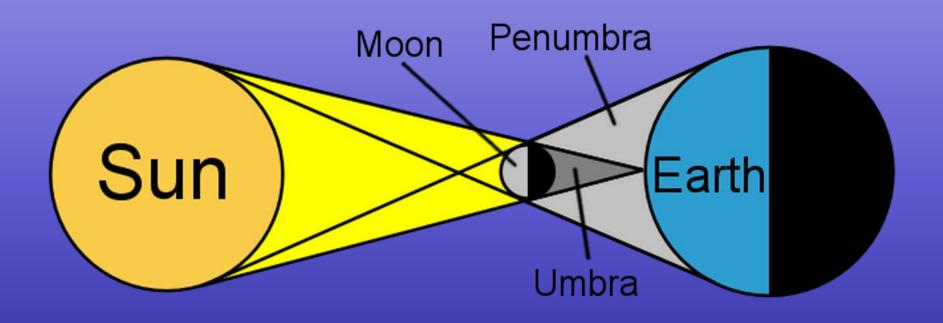
Solar Eclipses in North-America in the 2020s

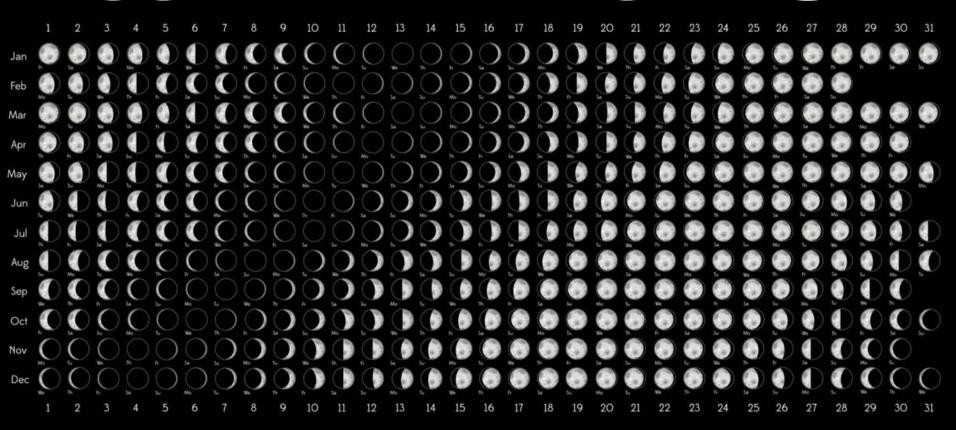


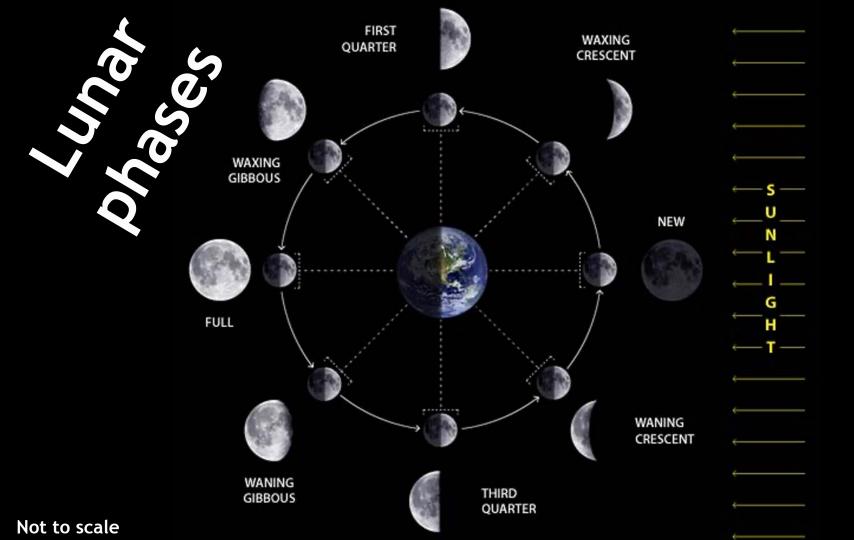


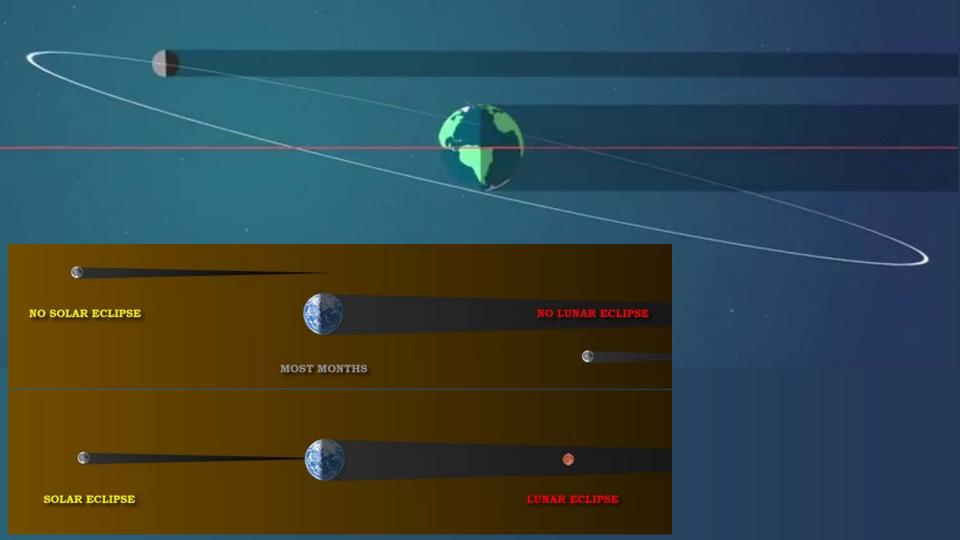


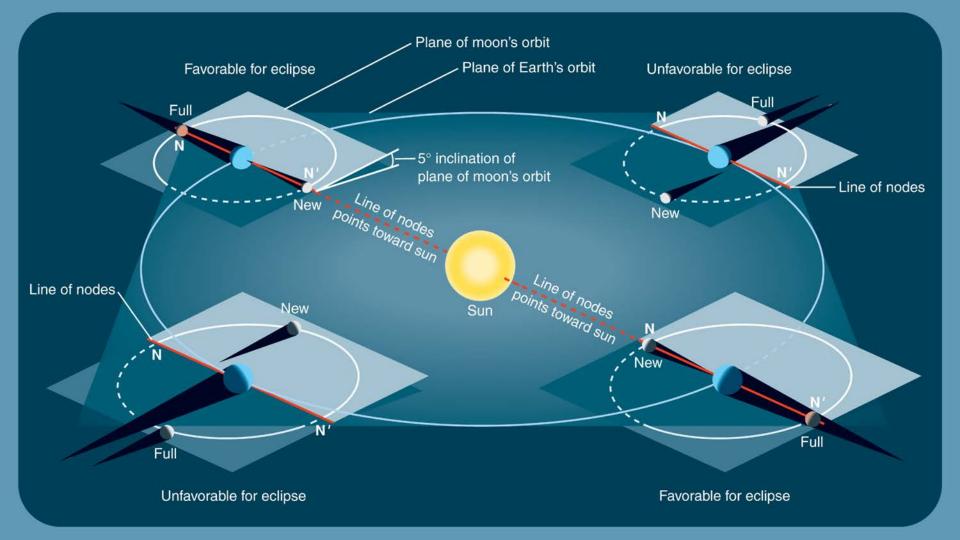


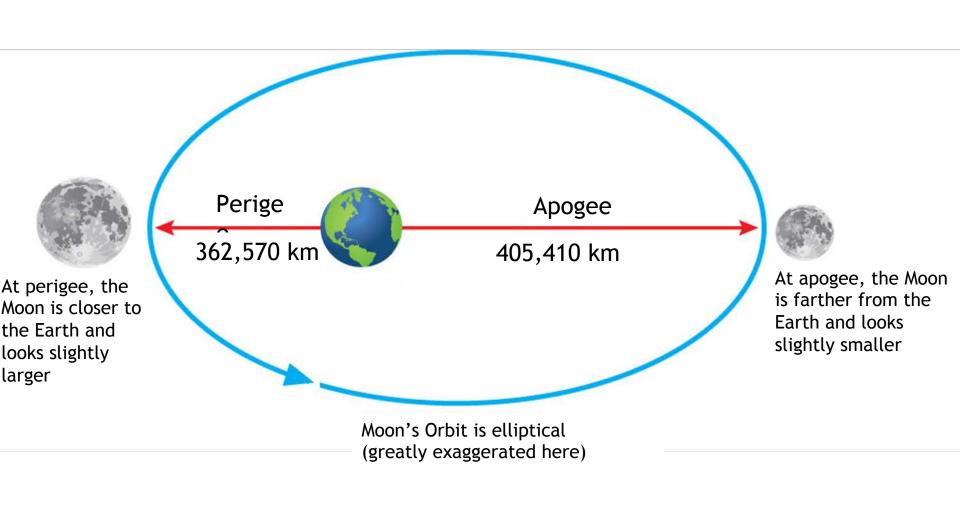
MOON PHASES FOR 2021

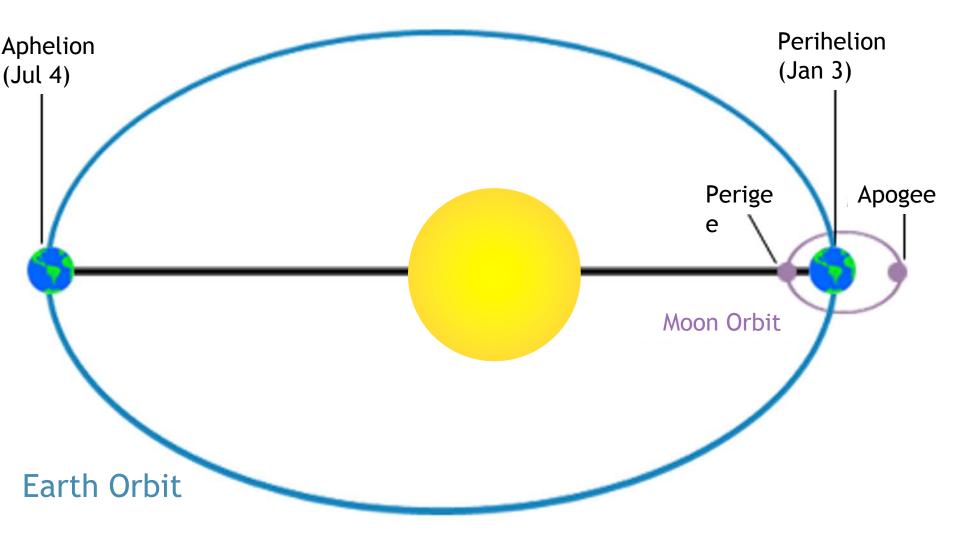












Annular Solar Eclipses

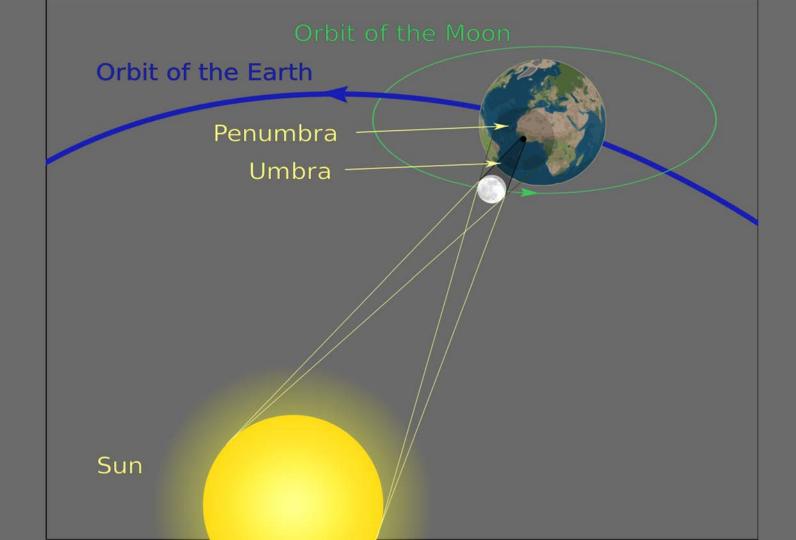
men Earth is near perihelion, and ne moon is near apogee, we see an nular solar eclipse.

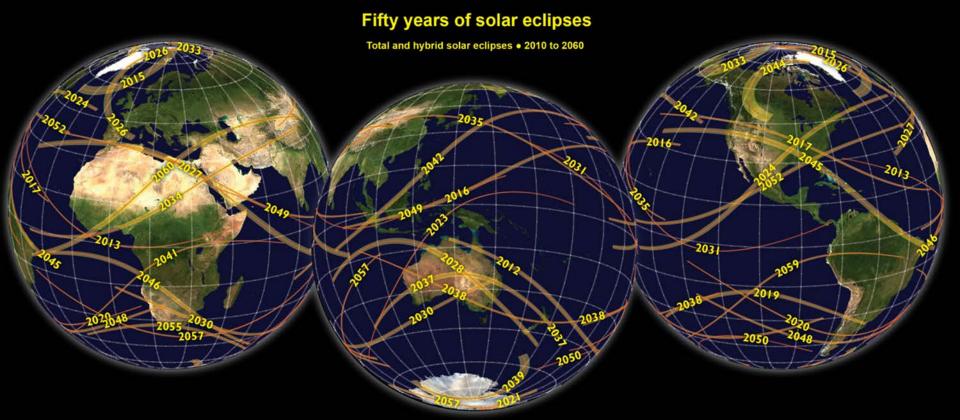






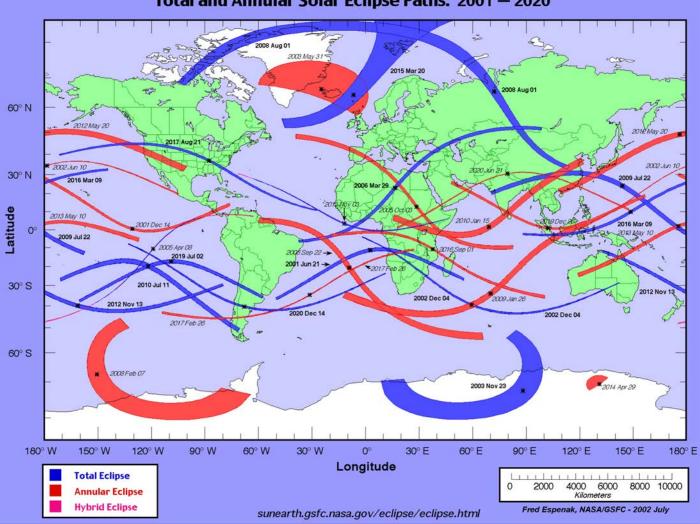




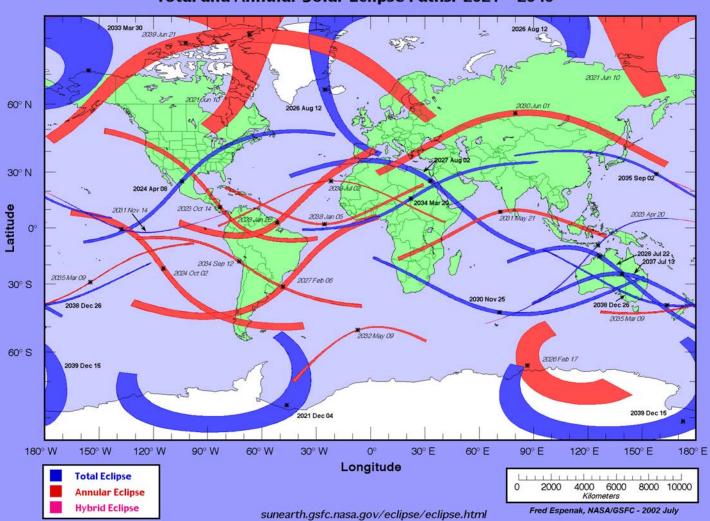




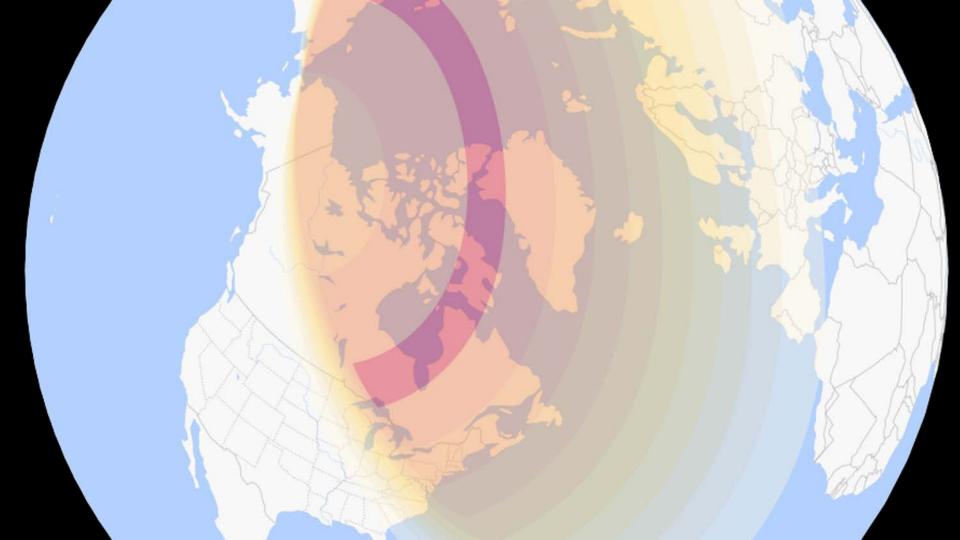
Total and Annular Solar Eclipse Paths: 2001 – 2020



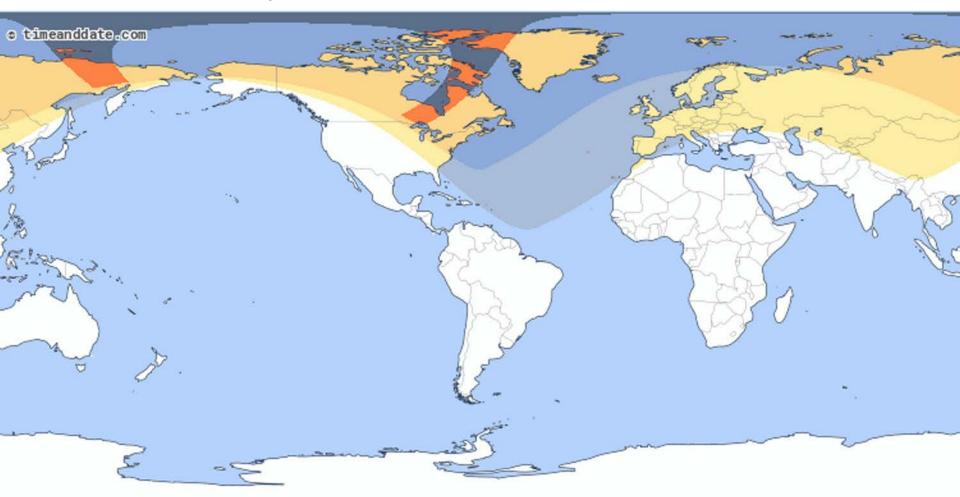
Total and Annular Solar Eclipse Paths: 2021 –2040



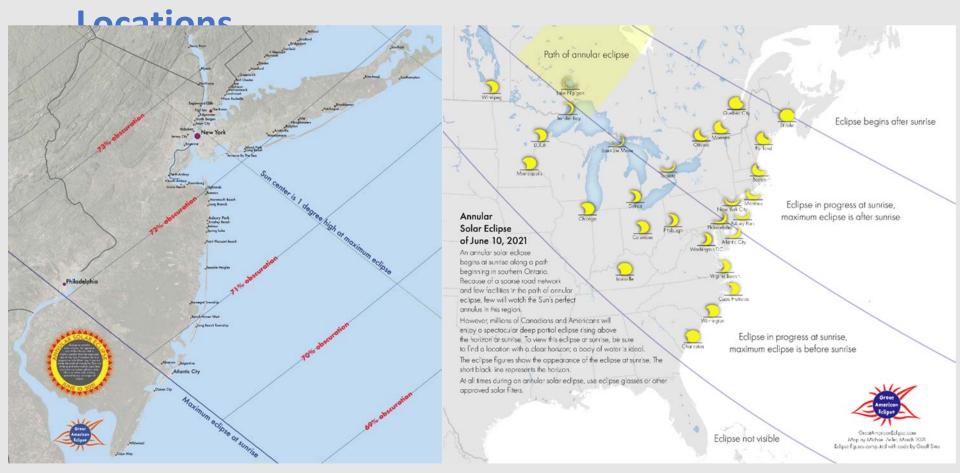




Annular Eclipse – June 10th 2021



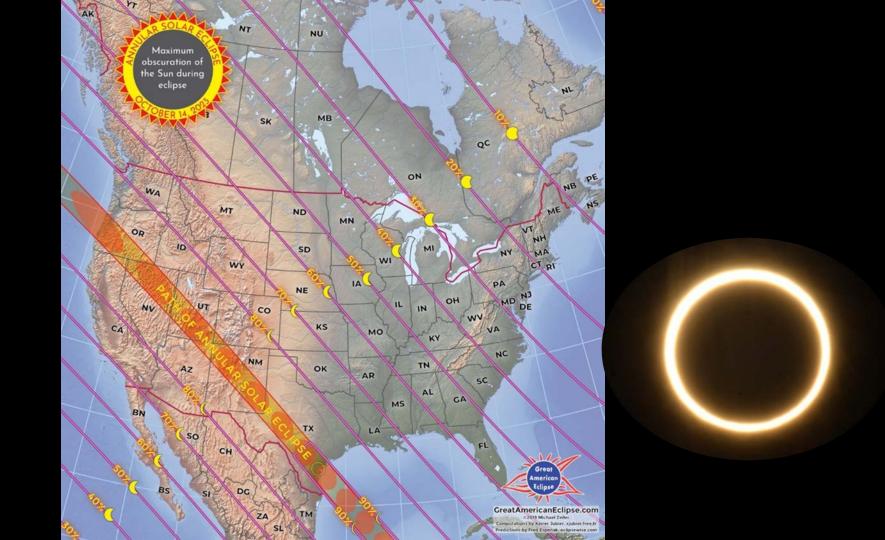
June 10th 2021: Annular Eclipse Viewing



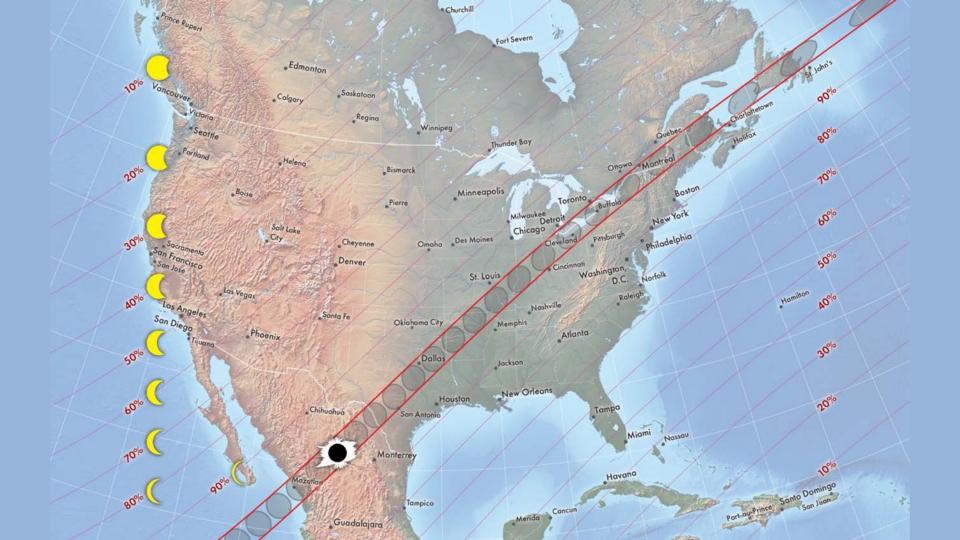
October 14th 2023



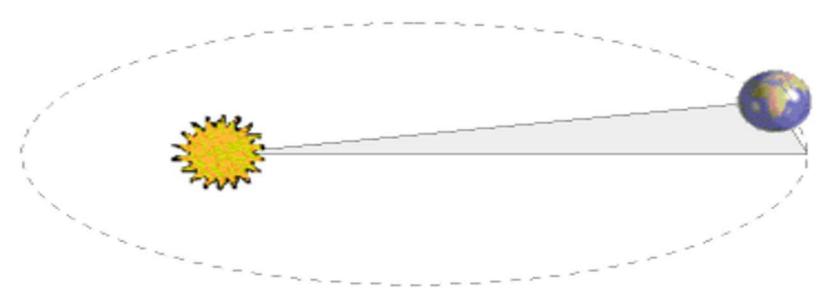


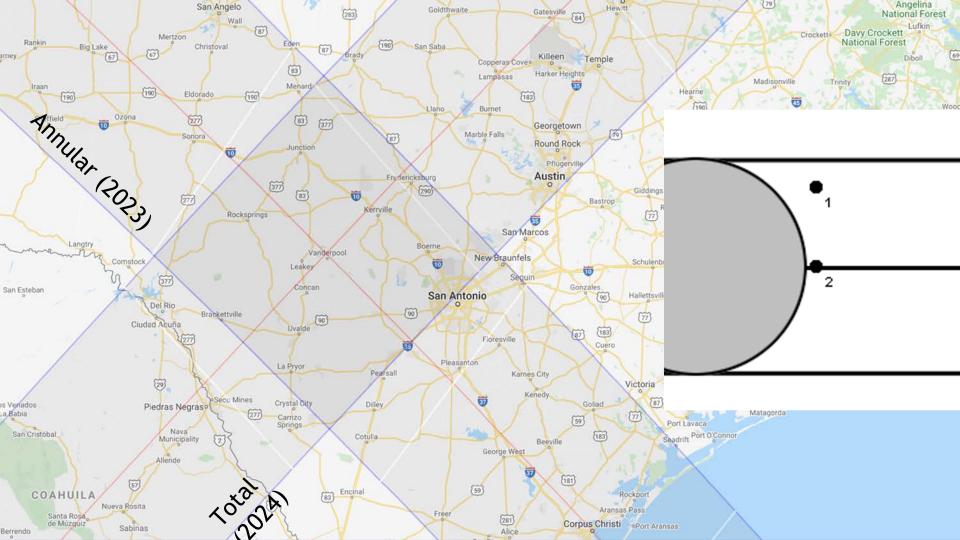


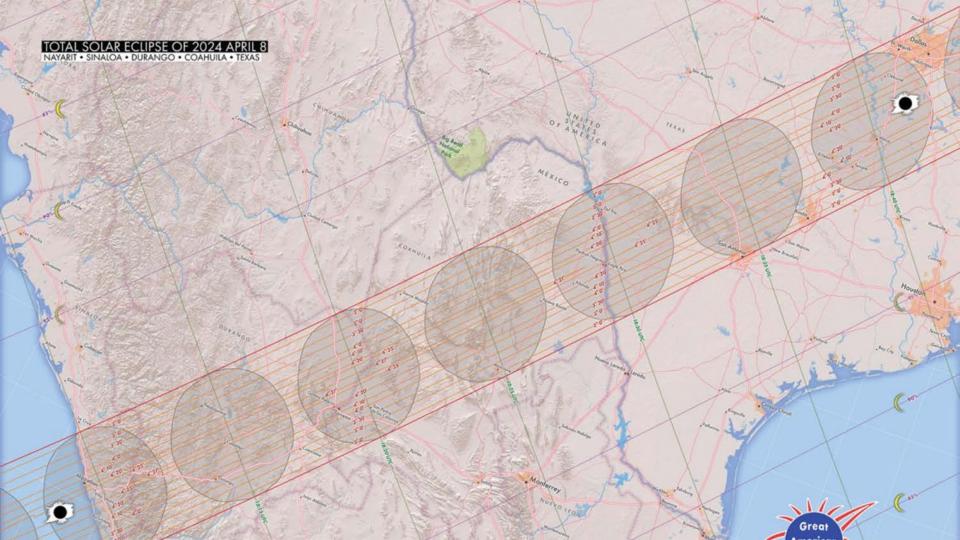


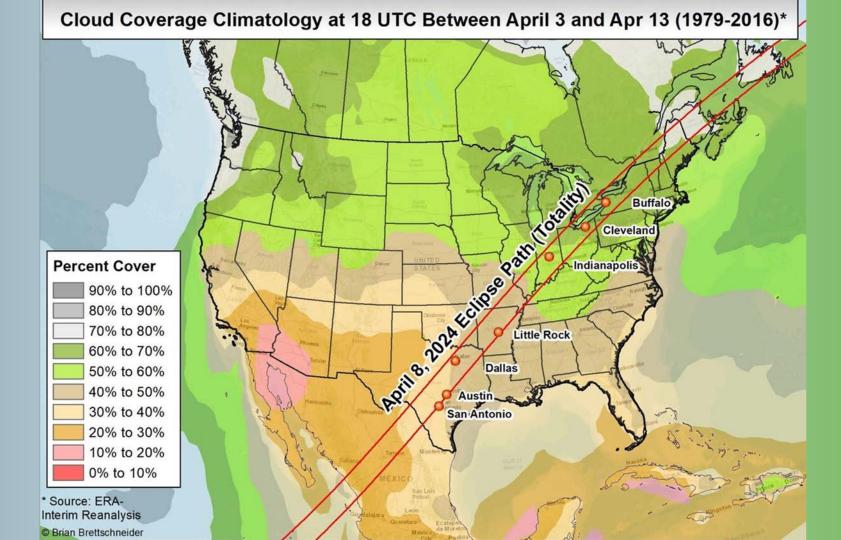


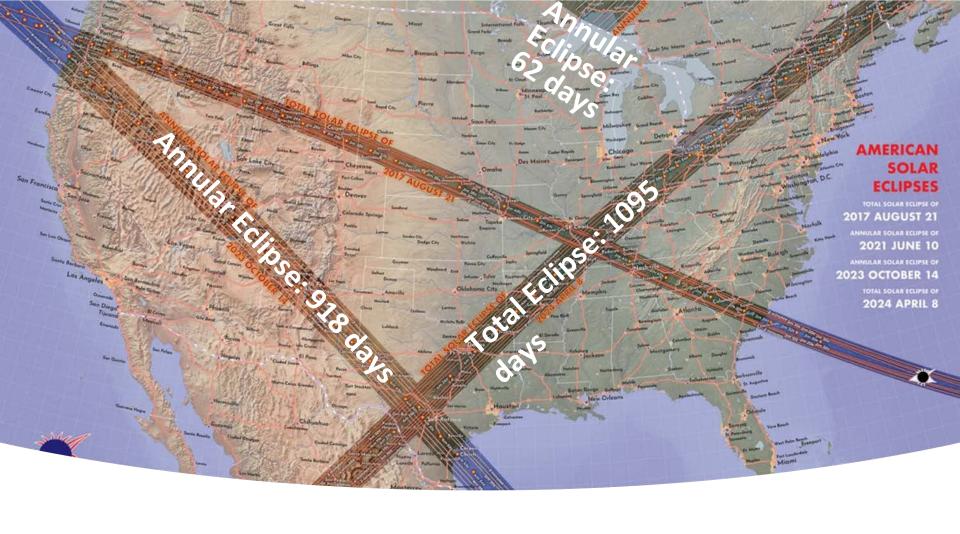
long do eclipses last??



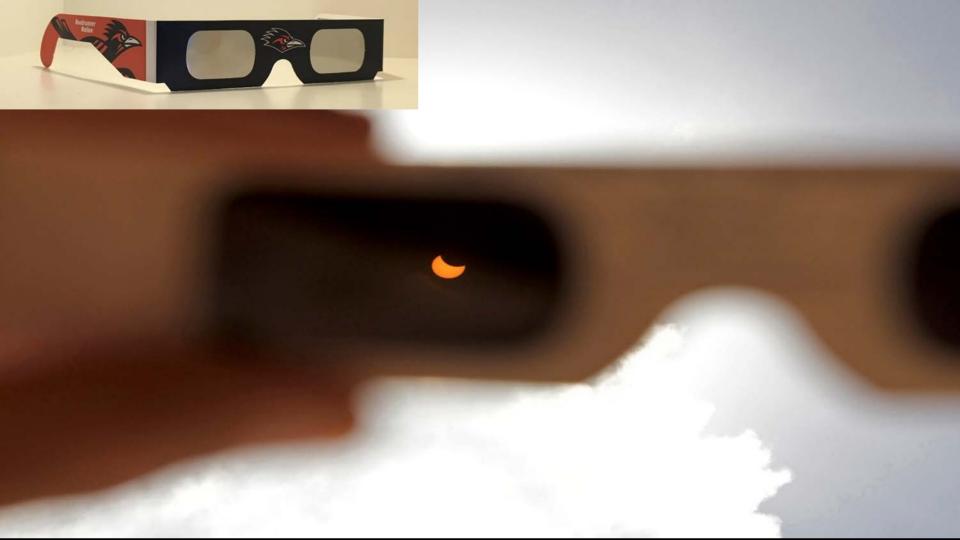














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https://eclipse.aas.org/