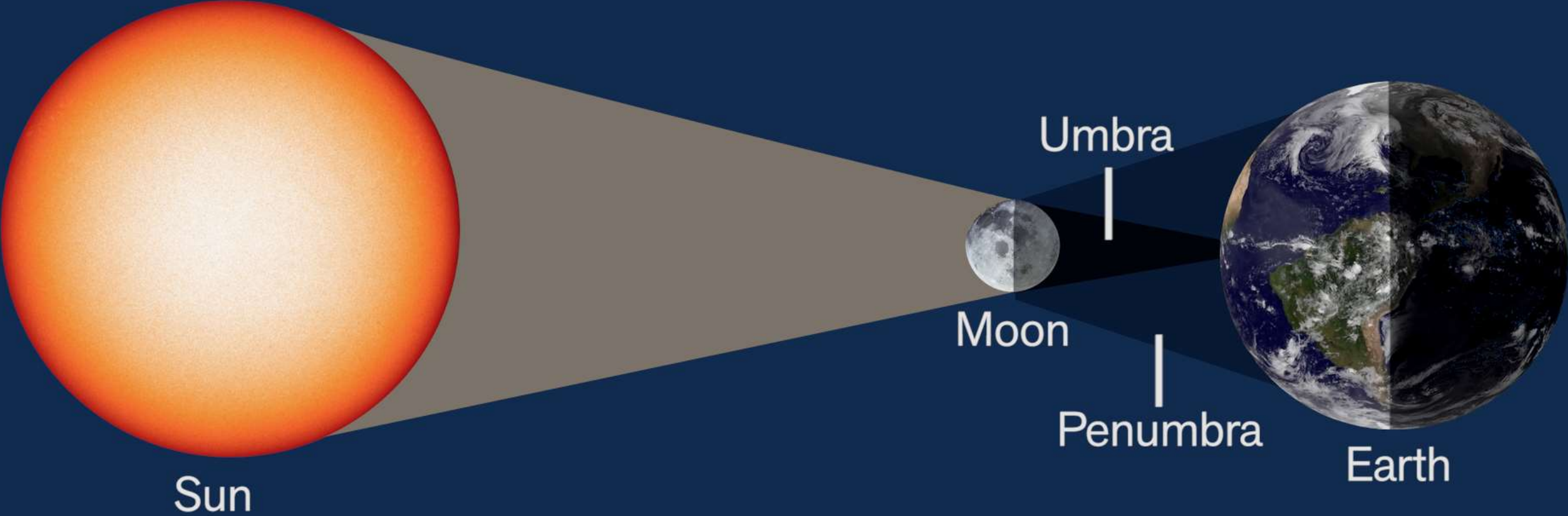


# ALL THIS EXCITEMENT ABOUT A SHADOW



# HOW DOES AN ECLIPSE OCCUR?



# ECLIPSE PAST, PRESENT, AND FUTURE

- 1918 – cross-country totality
- 1925 – northeast U.S.
- 1932 – northeast U.S.
- **1959 – Northeast U.S., Totality in NH**
- 1970 – southeast U.S.
- 1979 – pacific northwest
- 1994 – cross-country annular
  
- 2017 – Aug. 21, cross-country, 60-70% in NH
- 2023 – Oct. 14, cross-country, 15-20% in NH
- **2024 – Apr. 8, cross-country, 98-99% in Plymouth, totality in northern NH**
  
- 2045 – south and southwest U.S.
- 2052 – southeast U.S.
- 2078 – southeast U.S.
- **2079 – next time we'll have Totality in NH**

# TOTAL SOLAR ECLIPSE



NEW HAMPSHIRE • APRIL 8, 2024



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Map © 2020 Michael Dowd, Great American Eclipse.com  
Eclipse calculations by NASA JPL, eclipse.wise.com  
Eclipse predictions by Fred Espenak, eclipsewings.com

# New Hampshire Basics

## Timing:

- Start of the eclipse is around 2:15 pm
- Peak is roughly 3:30 pm
- Ends around 4:40 pm

## Peak totality for 3 minutes and 15 seconds:

- Skies will get darker
- The temperature will drop
- You will be able to see some planets and stars

**Plymouth State**  
UNIVERSITY