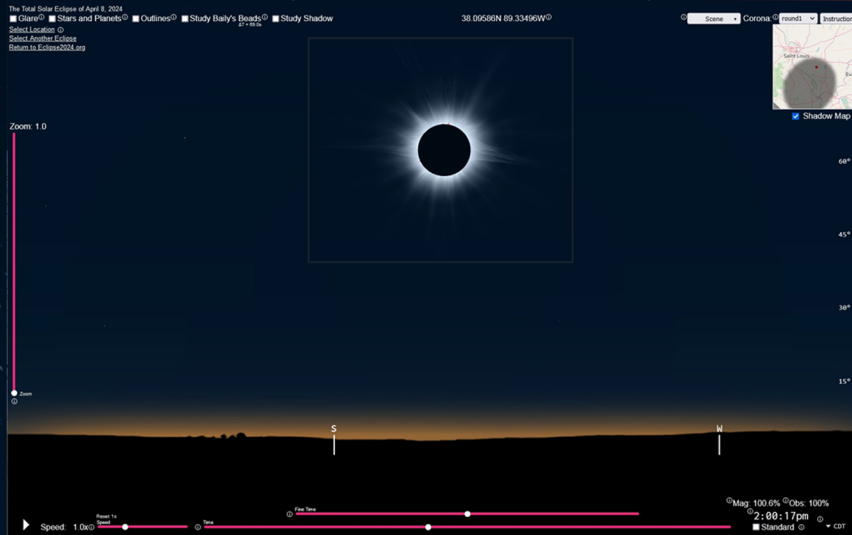


# ECLIPSE2024.ORG'S ECLIPSE SIMULATOR



**WHAT WILL THE ECLIPSE  
LOOK LIKE FOR YOUR**

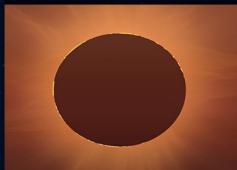
**PATRONS / VISITORS / MEMBERS  
STUDENTS / AUDIENCE?**

Show them with the **FANTASTIC  
Eclipse Simulator**  
from Eclipse2024.org!



*(Featured in leading publications!)*

BEADED ANNULAR



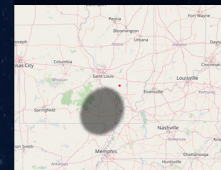
BAILY'S BEADS



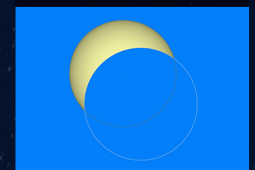
**Accurate, Ultra-Realistic Simulation of the  
Annular Eclipse of October 14, 2023  
and the  
Total Eclipse of April 8, 2024**

See all the great effects that occur during totality and annularity!  
Preview the eclipses from any location, to help you plan for eclipse day!  
Shows the eclipse experience from inside, outside, or at the edge of the path!  
Comprehensive instructions help you learn (or teach) about eclipses!

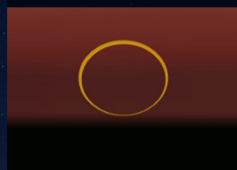
SHADOW MAP



LUNAR OUTLINE



REFRACTION



TOTALITY!

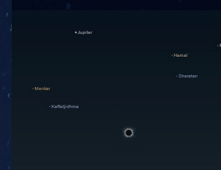


Eclipse circumstances are calculated for any location  
Accurate eclipse times are displayed in local time or user-selectable time zone  
Baily's Beads preview uses LRO LOLA data for complete realism  
Calculations are performed using latest values of Besselian Elements and  $\Delta T$   
Eye protection requirements are prominently displayed  
Real-time clock shows the eclipse's progress with user-selectable speeds

Atmospheric refraction and sunrise/sunset effects  
Chromosphere, diamond ring, and accurate full-limb Baily's Beads  
Stars and Planets displayed during totality  
User-selectable coronas and foregrounds  
Limb darkening, solar glare, prominences and orange horizon glow  
Aerial shadow preview and eclipse shadow outline map



STARS AND PLANETS



DIAMOND RING



**VISIT: [simulator.eclipse2024.org](http://simulator.eclipse2024.org)**

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