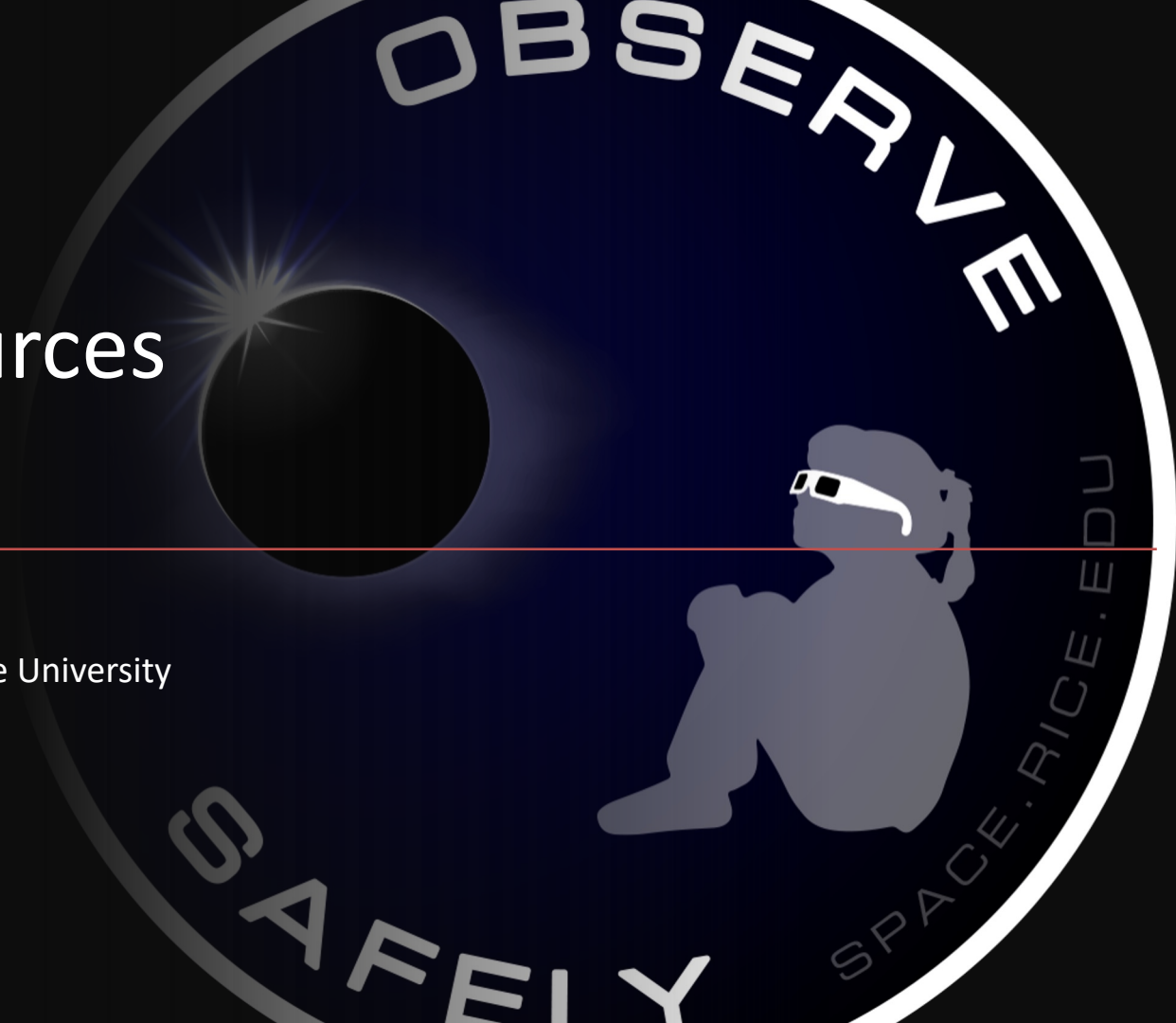


Eclipse Resources

Prof. Patricia Reiff

Dept of Physics & Astronomy, Rice University



space.rice.edu
/eclipse

Includes links to
other sites and all
our materials (FAQ's,
etc)

SPACE.RICE.EDU

A RICE SPACE INSTITUTE SERVER

› Home

Education Resources

- › Eclipses
 - › Eclipse Animations
 - › Eclipse Graphics
 - › Eclipse Training
 - › Lunar Eclipse FAQ
 - › Solar Eclipse FAQ
 - › Safe Eclipse Observing
 - › TicTacToe Game
- › Past Eclipses
 - › Eclipse 2017
 - › May 26, 2021 [Total]
 - › June 10, 2021 [Annular]
- › Mars
- › Moon
 - › Apollo Anniversary
 - › Apollo Animations
 - › Artemis Animations
- › Sundials
- › Video Lectures

Outreach Programs

- › HEAT
 - › Reach For The Stars! Festival
 - › RFTS Archive
 - › Software Training
 - › CALENDAR of Shows & Events
- › Current
 - › IAO
 - › MMS Outreach
 - › Rice / HMNS Partnership "Firsts"
 - › WSYG - Ham Radio Club
- › Previous
 - › CLUSTER Outreach
 - › CUWIP Meeting 2017
 - › Dome Loaner Program
 - › Future Space
 - › IMAGE Outreach
 - › Immersive Earth
 - › Museums Teaching Planet Earth

Eclipses

This site contains info, educational resources, and animations about eclipses.

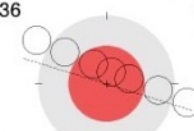
- [Sign up](#) for the Rice Space Institute **ECLIPSE NEWSLETTER**
- Visit our [Texas Eclipse Activation Network](#) site where we are gathering information for the upcoming Texas eclipses of 2023-2024.

UPCOMING ECLIPSES IN THE AMERICAS

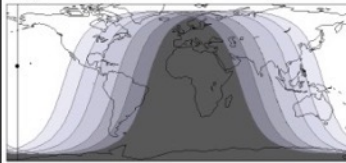
November 8, 2022 Total Lunar Eclipse

www.EclipseWise.com/eclipse.html

<p>Total + Saros 136 A.Node</p>	<p>2022 Nov 08 11:00 TD ΔT= 71s</p>
--	--

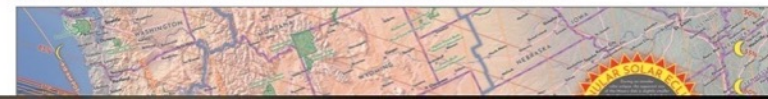


Tot. = 85m	U. Mag. = 1.3589
Par. = 220m	P. Mag. = 2.4143
Gam. = 0.2570	

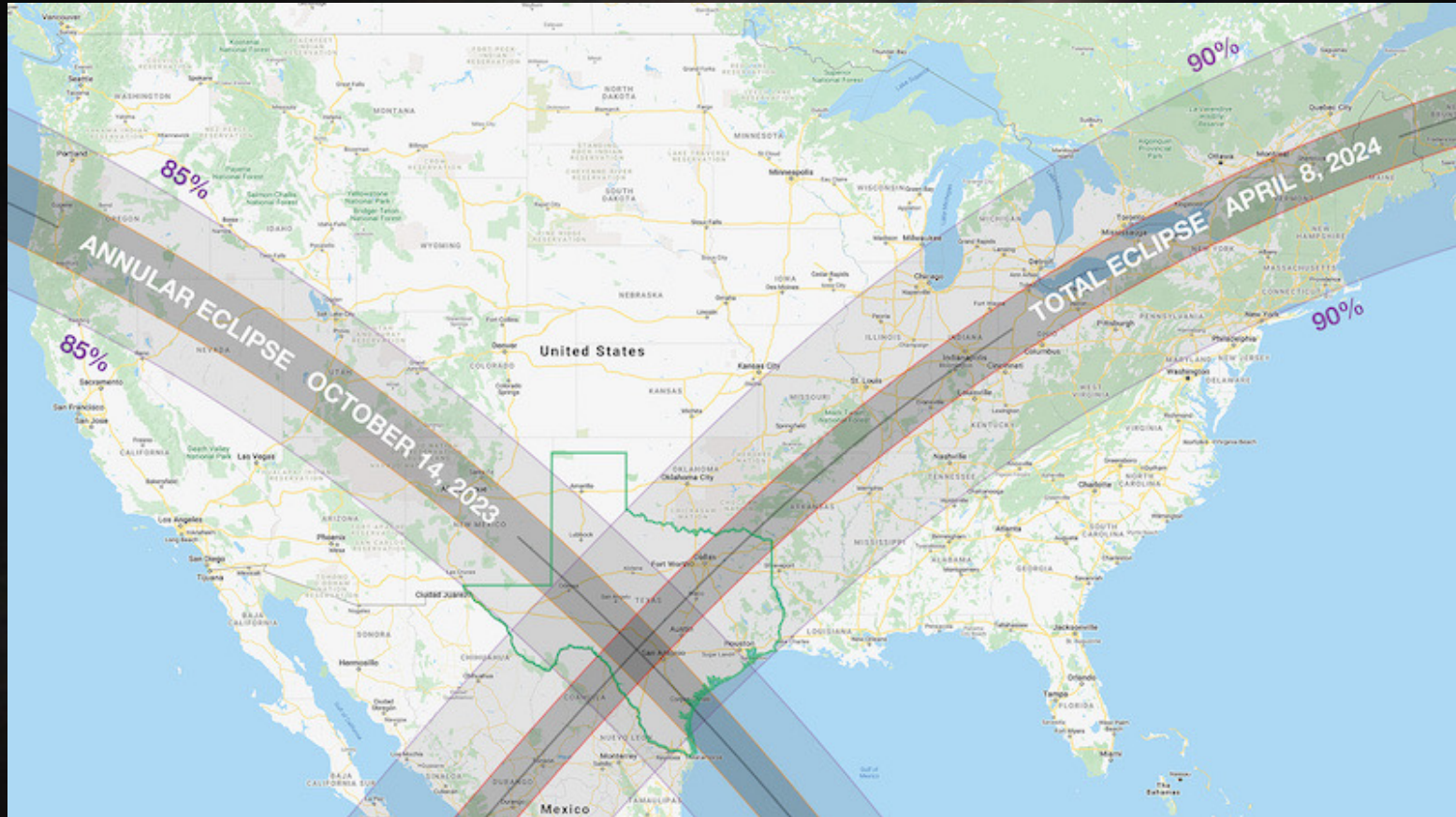


Thousand Year Canon of Lunar Eclipses
©2014 by Fred Espenak

October 14, 2023 Annular solar eclipse | CREDIT: www.greatamericaneclipse.com



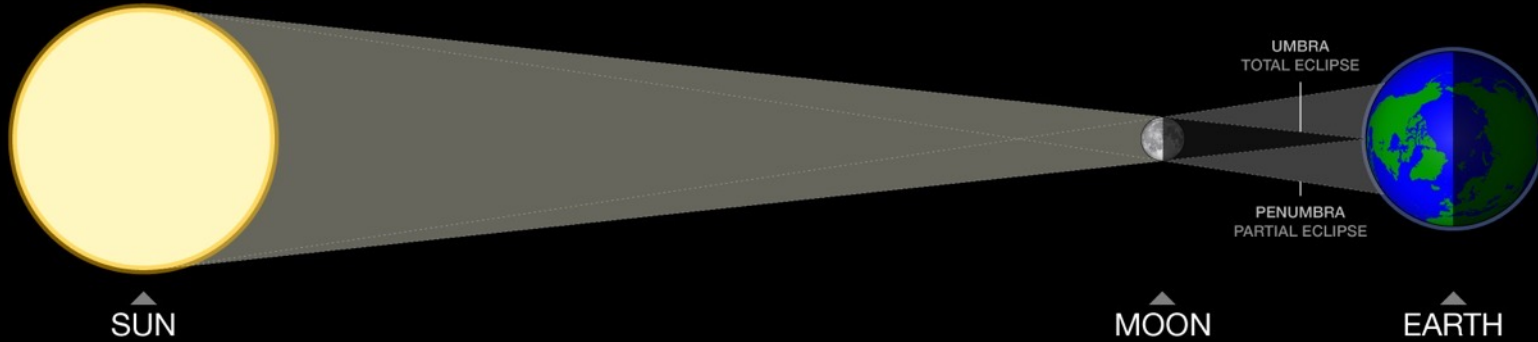
TEXAS NEXUS TexasEclipse.net



FREE Solar Eclipse diagrams

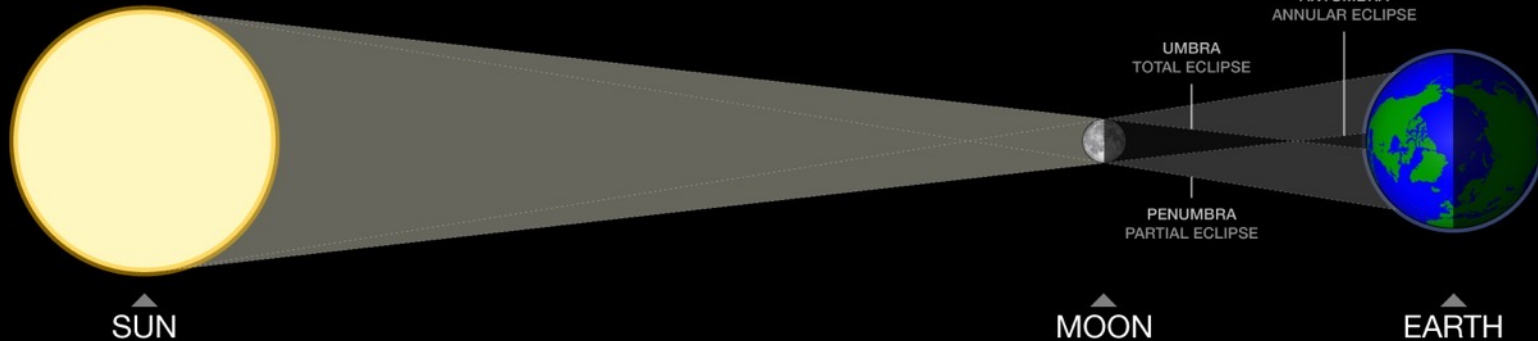
space.rice.edu/eclipse/
reiff@rice.edu

SOLAR ECLIPSE



space.rice.edu/eclipse/
reiff@rice.edu

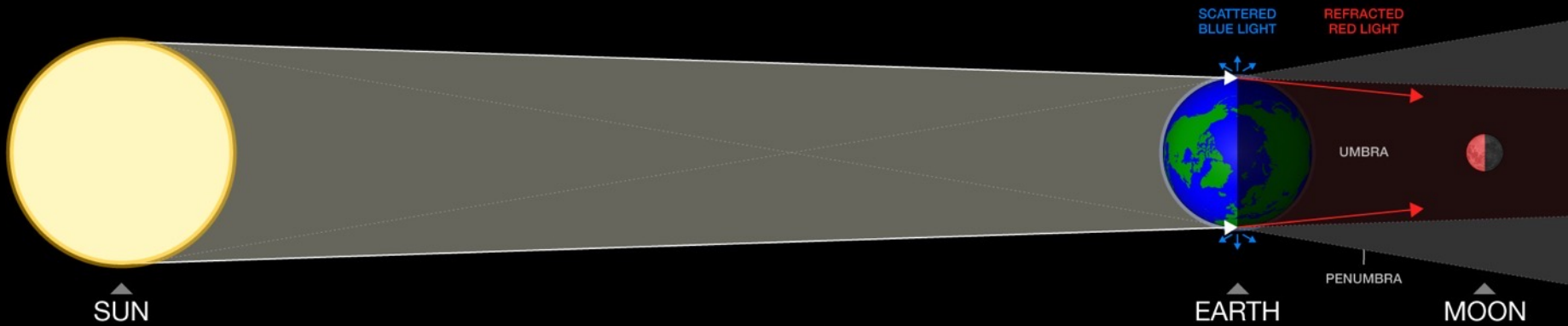
ANNULAR ECLIPSE



(OBJECTS AND DISTANCES ARE NOT TO SCALE)

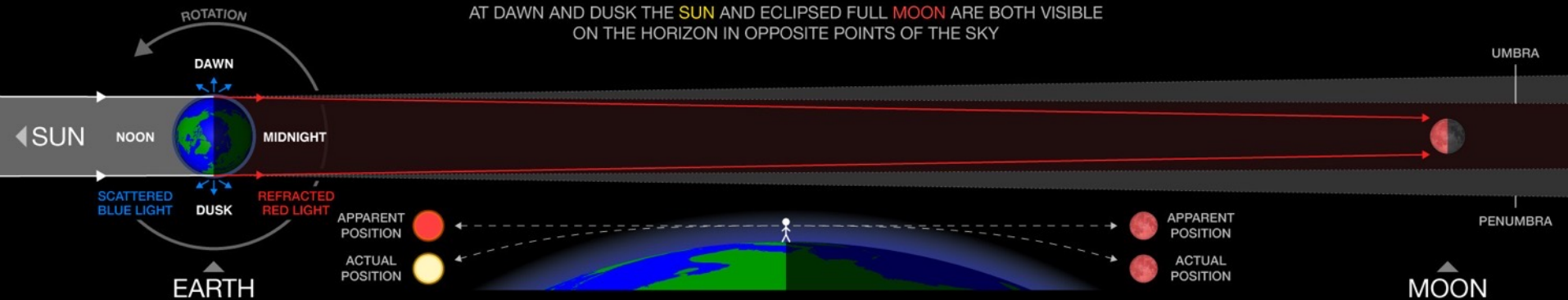
FREE Lunar Eclipse diagrams

LUNAR ECLIPSE



SELENELION PHENOMENON

AT DAWN AND DUSK THE SUN AND ECLIPSED FULL MOON ARE BOTH VISIBLE ON THE HORIZON IN OPPOSITE POINTS OF THE SKY



(OBJECTS AND DISTANCES ARE NOT TO SCALE)


FREE Solar/Lunar eclipse animations

- Available in full dome (fisheye or warped)
- Available in flatscreen



https://space.rice.edu/eclipse/eclipse_animations.html
reiff@rice.edu

FREE Eclipse TicTacToe Game

- Choose game set (solar / lunar / annular / all)
 - Create your own questions with the editor
- 
- Rules like Hollywood Squares – no cat games






NEW GAME

TIC-TAC-TOE

HELP



ECLIPSES SOLAR ECLIPSES

	OBSERVING ANNULARS	SOLAR ECLIPSE FUN-FACTS
SOLAR ECLIPSE SCIENCE		ANNULAR ECLIPSE BASICS
ANNULAR ECLIPSE PATH	SOLAR ECLIPSE FUN-FACTS	

If there is a total solar eclipse anywhere on Earth, then two weeks before or two weeks after there will be a

- A** meteor shower
- B** lunar eclipse
- C** hurricane
- D** earthquake



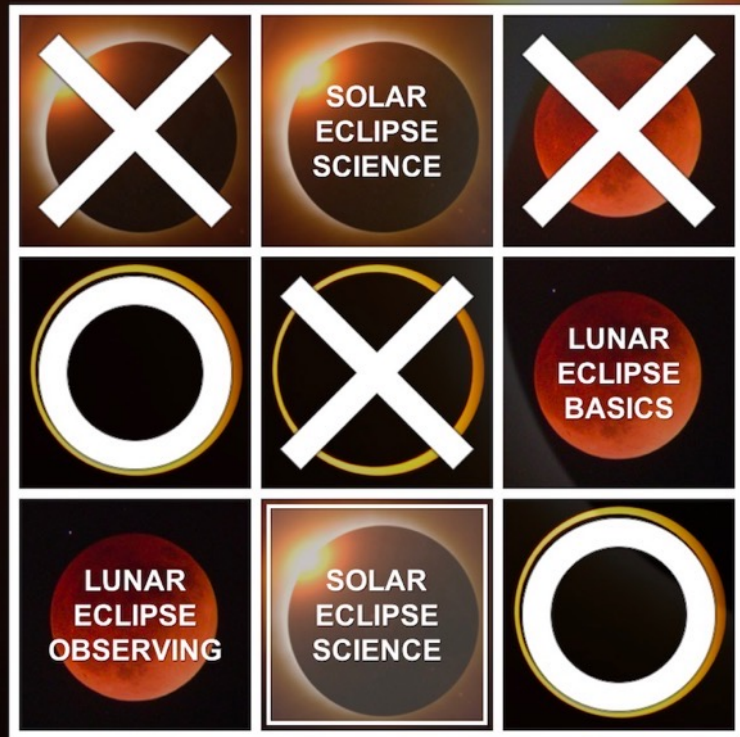
NEW GAME

TIC-TAC-TOE

HELP



ECLIPSES SOLAR ECLIPSES



During totality...

A the winds will die down

B it will start raining

C birds will roost

D all of these

UPCOMING TRAININGS



CAST NOV 10 & 11 (Dallas)

NSTA 2023 (Atlanta)

Download powerpoint at

https://space.rice.edu/eclipse/eclipse_training.html

Join our Eclipse Newsletter

<http://bit.ly/RiceEclipse>

