

# Welcome & Introductions & Logistics

ANNULAR SOLAR ECLIPSE  
OCTOBER 14, 2023

TOTAL SOLAR ECLIPSE  
APRIL 8, 2024

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Project Manager, AAS Solar Eclipse Task Force



AMERICAN  
ASTRONOMICAL  
SOCIETY

**SKY & TELESCOPE**  
THE ESSENTIAL GUIDE TO ASTRONOMY



# Thanks to...

Our Would-Be Hosts in San Antonio, Texas:

- University of Texas, San Antonio
- Scobee Education Center at San Antonio College
- Alamo STEM Ecosystem of Bexar County, Texas

Organizers & Sponsors:

- American Astronomical Society
- AAS Solar Eclipse Task Force

You!

- Session Chairs, Panel Moderators, Speakers, Panelists
- Attendees (270+ from the U.S., Canada, Mexico...)



# Day 1: Friday, April 8

**Plenary 1**

Break

**Breakout 1.1**

**Breakout 1.2**

Break

**Plenary 2**

Break

**Breakout 2.1**

**Breakout 2.2**

Break

**Gather**

**YouTube**





# Day 2: Saturday, April 9

**Plenary 3**

Break

**Breakout 3.1**

**Breakout 3.2**

Break

**Plenary 4**

Break

**Breakout 4.1**

**Breakout 4.2**

Break

**Gather**





**SOLAR ECLIPSE ACROSS AMERICA**  
Sat., October 14, 2023: Sun ... Moon ... You!



AMERICAN ASTRONOMICAL SOCIETY  
National Science Foundation

[ECLIPSE AMERICA](#)[EYE SAFETY](#)[IMAGING & VIDEO](#)[RESOURCES](#)[SOLAR ECLIPSE TASK FORCE](#)[PLANNING WORKSHOPS](#)

Planning Workshops / Solar Eclipse Planning Workshop, 8-9 April 2022, Virtually Anywhere

APRIL 2022 VIRTUAL WORKSHOP

## Solar Eclipse Planning Workshop, 8-9 April 2022, Virtually Anywhere

[Who Should Attend](#) | [How to Register](#) | [Registrants List](#) | [Block Schedule](#) | [Workshop Program](#) | [Posters](#) | [Free Public Lecture](#)

The [American Astronomical Society](#) (AAS) [Solar Eclipse Task Force](#) invites you to join us for a virtual eclipse-planning workshop to be held Friday-Saturday, April 8-9, 2022, online via Zoom. This event will bring together more than 200 astronomers, educators, local and state officials, and others involved (or wanting to become involved) in preparing their communities for the [2023 and 2024 North American solar eclipses](#). Each day's program will run from 9 am to 2 pm PDT (12 pm to 5 pm EDT) on [Zoom](#), followed by a 2-hour networking and poster session in [Gather](#).

The oral sessions will focus on best practices in eclipse-related formal and informal education and public outreach, including effective ways to reach underserved populations. Newcomers to eclipse planning will learn about the 2023 and 2024 eclipses and about appropriate resources to help their communities prepare for them. Posters will cover the full gamut of eclipse-related topics.



North America will soon be treated to two major solar eclipses, when the Sun, Moon, and Earth align. On both occasions, nearly everyone in the Americas will have at least a partial solar eclipse. Map courtesy Michael Zeiler, [GreatAmericanEclipse.com](#).

**How to Register**



# AAS Eclipse Planning Workshop Schedule at a Glance

## Day 1: Friday, April 8

## Day 2: Saturday, April 9

Block 1

Plenary Session 1 – Introduction & Eclipse Overview			
PDT	EDT	Session Title	How to Join
9:00 AM	12:00 PM	Welcome & Introductions	Plenary Zoom
9:15 AM	12:15 PM	Solar Eclipses and What to Expect in 2023 & 2024	
9:40 AM	12:40 PM	Break	
Parallel Breakout Sessions 1			
PDT	EDT	Session Title	How to Join
9:50 AM	12:50 PM	<b>Breakout 1.1.</b> Total vs. Annular vs. Partial Solar Eclipses — How They're Different & Why It Matters	Breakout1 Zoom
9:50 AM	12:50 PM	<b>Breakout 1.2</b> A Tour of the 2023 and 2024 North American Solar Eclipses	Breakout2 Zoom
11:10 AM	2:10 PM	Break	
Plenary Session 2 – Formal Education			
PDT	EDT	Session Title	How to Join
11:30 AM	2:30 PM	Introduction & Session Overview	Plenary Zoom
11:40 AM	2:40 PM	Eclipse Opportunities for K-12 Schools & Districts	

Block 3

Plenary Session 3 – Informal Education & Public Outreach I			
PDT	EDT	Session Title	How to Join
9:00 AM	12:00 PM	Preparing Community Partners for Success	Plenary Zoom
9:15 AM	12:15 PM	Community Partners: Lessons Learned from 2017	
9:45 AM	12:45 PM	Break	
Parallel Breakout Sessions 3			
PDT	EDT	Session Title	How to Join
9:55 AM	12:55 PM	<b>Breakout 3.1.</b> Working with Libraries as Community Information Centers	Breakout1 Zoom
9:55 AM	12:55 PM	<b>Breakout 3.2</b> Engaging with Local, State & National Parks	Breakout2 Zoom
11:15 AM	2:15 PM	Break	
Plenary Session 4 – Informal Education & Public Outreach II			
PDT	EDT	Session Title	How to Join
11:30 AM	2:30 PM	The Many Facets of Eclipse Outreach	Plenary Zoom





AAS  
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Zoom

The background is a map of North America showing the paths of two solar eclipses. A yellow path for an annular eclipse is labeled 'ANNULAR SOLAR ECLIPSE' and 'OCTOBER 14, 2023'. A black path for a total eclipse is labeled 'TOTAL SOLAR ECLIPSE' and 'APRIL 8, 2024'. The map includes state and national boundaries. In the corners, there are compass-like symbols with the letters 'A', 'A', and 'S'.

Plenary Sessions:  
<https://eclipse.aas.org/plenary>



Great American Eclipse

Breakout Sessions X.1:  
<https://eclipse.aas.org/breakout1>

Breakout Sessions X.2:  
<https://eclipse.aas.org/breakout2>

Gather



Networking/Posters:  
<https://eclipse.aas.org/gather>

YouTube

Dr. Speck's Public Lecture:  
<https://eclipse.aas.org/youtube>

AAS  
S





Poster  
Hall



Meeting  
Room



Private  
Space



Meeting  
Room



Foyer





Video feed of others  
viewing the poster



CALIFORNIA  
ACADEMY OF  
SCIENCES

# Life Responds: Connecting Communities Science, Animals, and Solar Eclipses

More tips: <https://eclipse.aas.org/gather-tips>

Presenter mode allows you to shine a pointer on the poster for all who are viewing to see. This is subtle. You may wish to click a specific spot multiple times to draw attention to it.

**Note:** These icons can be difficult to see sometimes.

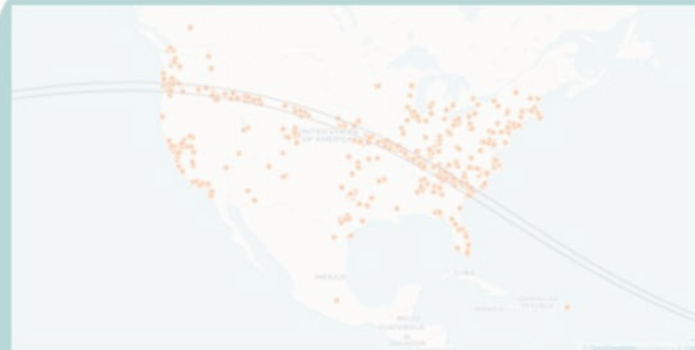
## Abstract

Studies indicate that a variety of plant and animal life react to the environmental changes caused by a total solar eclipse when a decrease in temperature and light can cause conditions similar to dusk even at midday. The August 21, 2017 total solar eclipse presented the opportunity to design a community science project to gather observations of plant and animal response to the eclipse on the widest geographic scale yet: the entire continental United States. With millions of people expected to observe this eclipse, we asked them to take a moment to witness firsthand other forms of life being influenced by a celestial event. With extensive outreach and media coverage, over 600 participants submitted more than 2,500 observations of plant and animal behavior during the eclipse, **creating the largest collection of non-human response to a solar eclipse to date.**

## Results

2795 observations of 437 species were made by 645 people across 40 U.S. states and territories (as well as 3 from Canada and Mexico) were submitted.

### Observation Locations



Orange dots indicate the locations of the submitted

## Notable observations

- Swallows or swifts starting to flock and fly as skies cleared
- Ants slowing down or stopping movement entirely
- Domestic hens gathering together or roosting and becoming quiet during the eclipse, and roosters started to crow during the eclipse
- At a human observation site, a crow started to crow during the eclipse
- Frog croaking
- Flowing water in a stream
- Crows starting to crow during the eclipse
- Cow starting to moo during the eclipse
- Cow starting to moo during the eclipse

Zoom allows you to make the poster bigger or smaller to better see the details. Note, zooming or navigating in on a section on your screen does NOT follow for others viewing the same poster.

HERE WE GO AGAIN  
...AND AGAIN

Dr. Angela Speck Explains

# THE GREAT AMERICAN ECLIPSES 2023 & 2024

**Live on YouTube**

April 8, 2022

7 pm EDT / 4 pm PDT

[eclipse.aas.org/youtube](https://eclipse.aas.org/youtube)



Dr. Angela Speck

University of Texas,  
San Antonio

Physics & Astronomy  
Department Chair

Co-Chair, AAS Solar  
Eclipse Task Force

MAGNIFICATION  
CHART  
FOR CELESTRON  
16  
40MM...114  
25MM...183  
20MM...229  
15MM...254  
12MM...366  
5MM...762

AAS AMERICAN  
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**UTSA**  
The University of Texas  
at San Antonio™

Friday, April 8 (today!)

4 pm PDT / 7 pm EDT

[eclipse.aas.org/youtube](https://eclipse.aas.org/youtube)





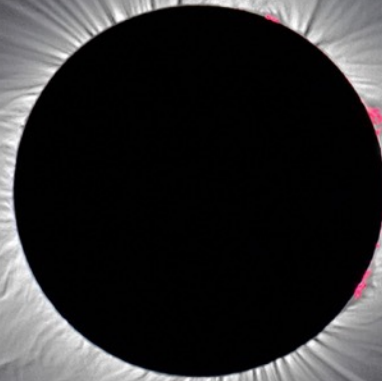
# Audio/Video Etiquette

1. During talks and panel presentations, mute your audio and disable your video.
2. During Q&A and discussion periods, it's OK to enable your video.
3. Use Zoom's "Raise Hand" feature to let us know you have a question or comment.
4. Mute your audio except when you're called on to speak. After speaking, mute your audio again.





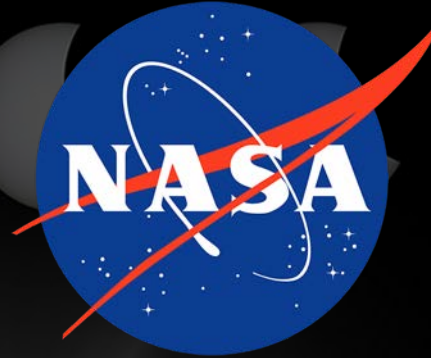
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Solar Eclipse Task Force



Purpose: To function as a think tank, coordinating body, and communication gateway/hub.



Principal activities:

- Website
- Working groups
- Planning workshops
- Encourage people to get into path of totality
- Promote eye safety



https://eclipse.aas.org



# SOLAR ECLIPSE ACROSS AMERICA

Monday, April 8, 2024: Sun ... Moon ... You!



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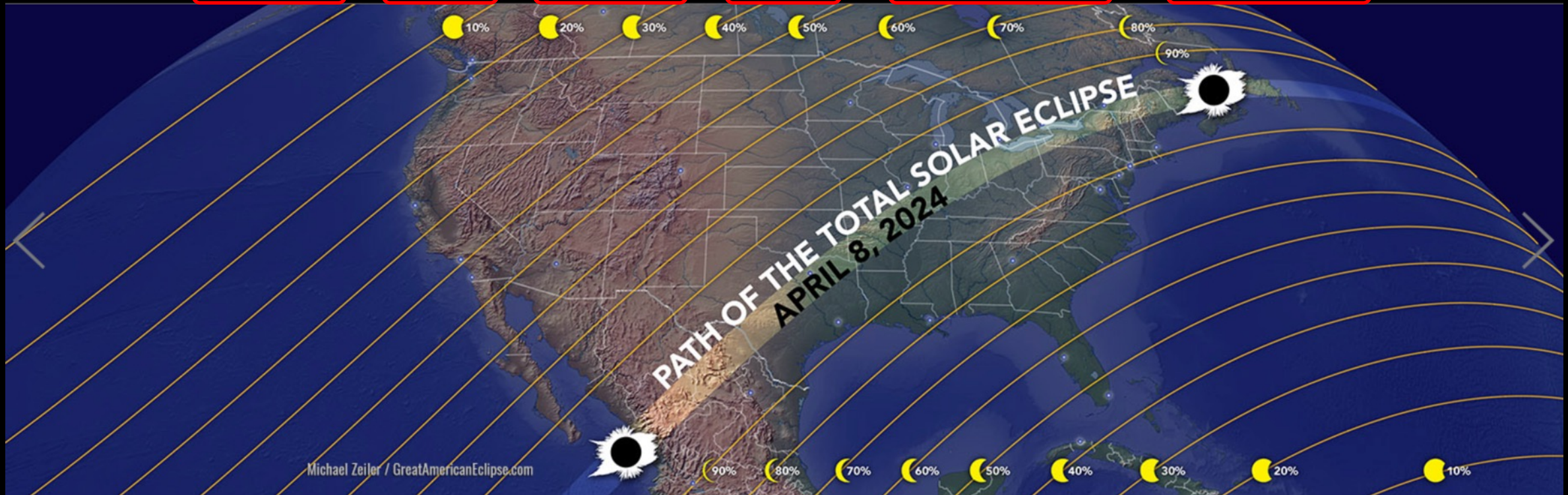
EYE SAFETY ▾

IMAGING & VIDEO ▾

RESOURCES ▾

SOLAR ECLIPSE TASK FORCE ▾

PLANNING WORKSHOPS ▾



Michael Zeiler / GreatAmericanEclipse.com

554

Days to the Next  
U.S. Solar Eclipse

Two major solar eclipses are coming to North America! On Saturday, October 14, 2023, an annular ("ring of fire") eclipse sweeps from Oregon to Texas in a 125-mile-wide path that continues to the Yucatán peninsula and northern South America. Six months later, on Monday, April 8, 2024, a total solar eclipse darkens a 115-mile-wide swath from Mexico to the Canadian maritimes, traversing the U.S. from Texas to Maine in the process. In both cases all of North America will have at least a partial solar eclipse.



# Future AAS Eclipse Planning Workshops

October 21-22, 2022

**Rochester, New York**

*Host: Rochester Museum & Science Center*

Spring 2023 (exact dates TBD)

**Cleveland, Ohio**

*Hosts: Great Lakes Science Center, NASA Glenn Research Center*

October 27-28, 2023

**Bretton Woods, New Hampshire**

*Hosts: Appalachian Mountain Club, NH Solar Eclipse Task Force, Mountains of Stars*

January 6-7, 2024

**243rd AAS Meeting, New Orleans, Louisiana**

*Host: American Astronomical Society*

