



(Formerly the Heliophysics Education Consortium)

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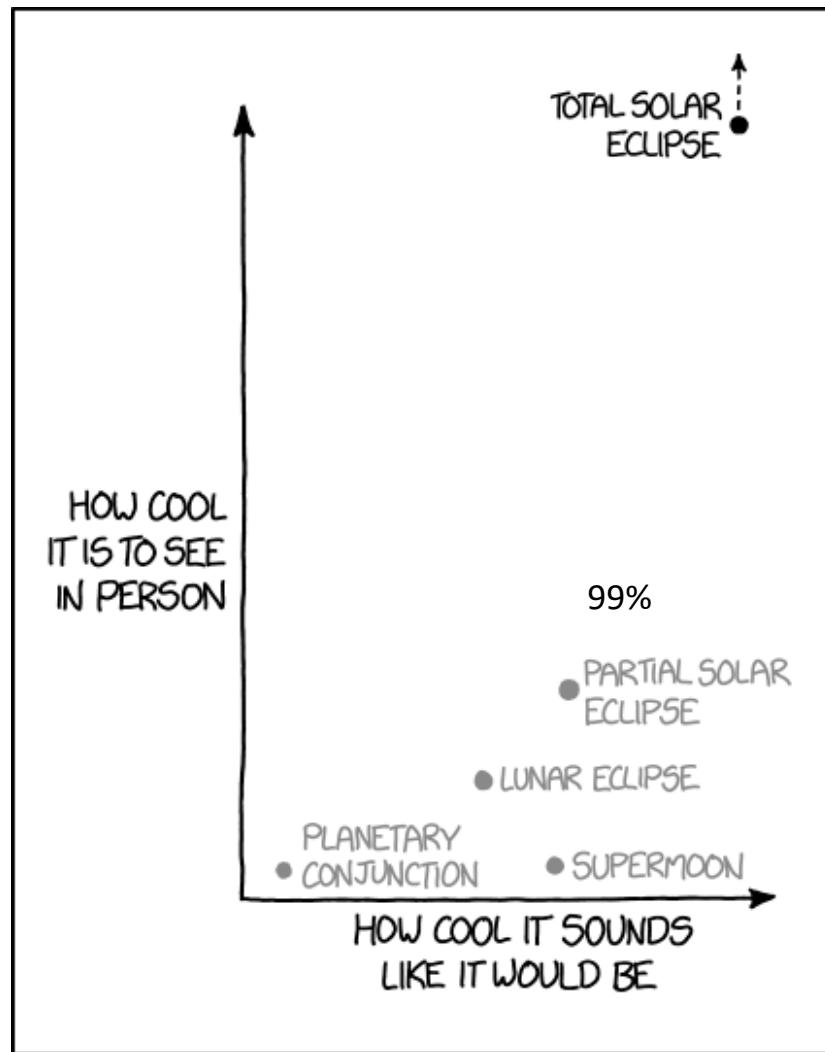
NASEM, Keck Center, April 8, 2019

We provide expertise and support to the SciAct across science and technology disciplines.

We are a research and application team for NASA space science education.

- NASA Space Science Content
- Citizen Science
- Education Technology
- Audience Reach
- Accessibility

What is a model for how we activate science engagement and learning across a nation and beyond?



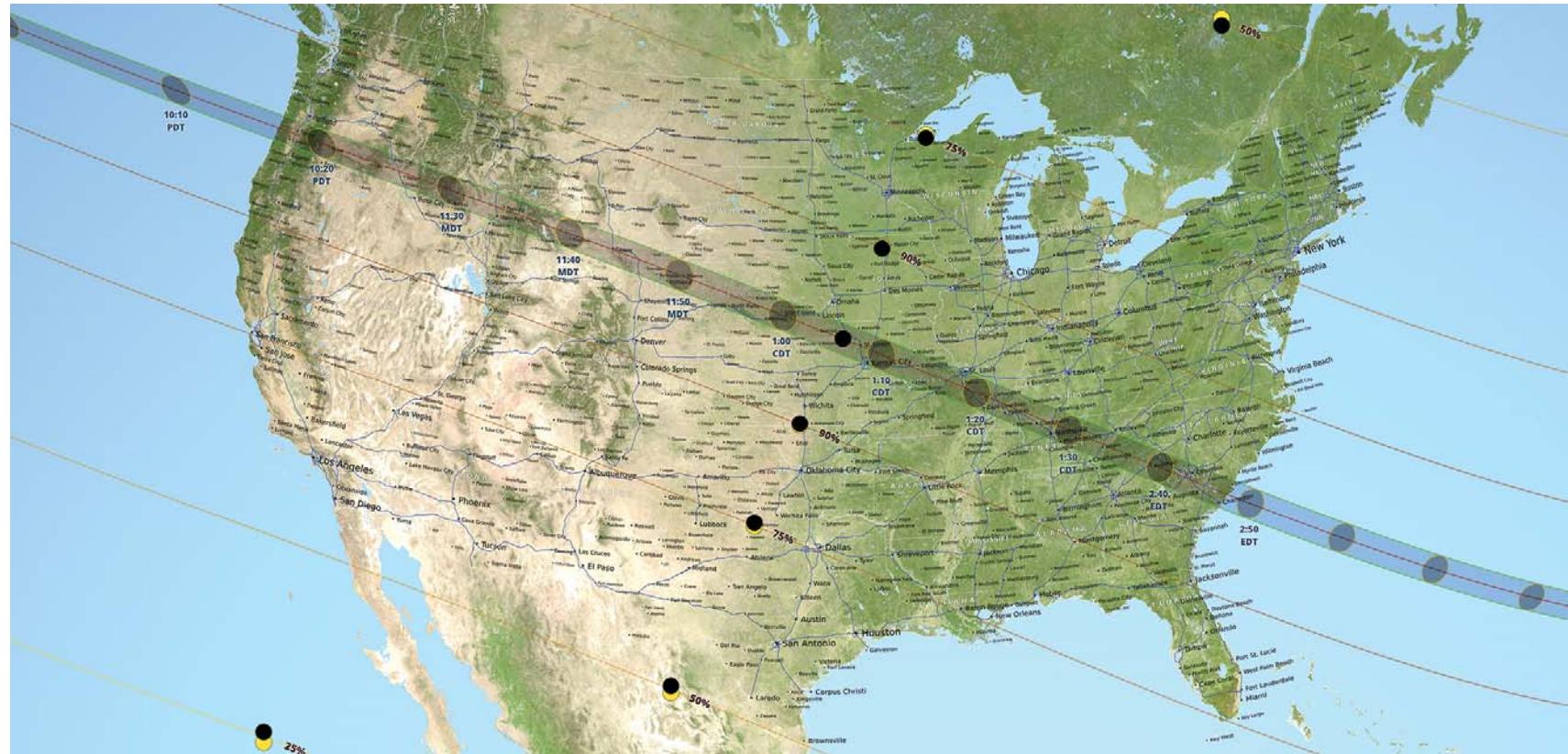




Where were you August 21, 2017?

AUGUST 21, 2017: First total solar eclipse visible in the contiguous United States in 38 years.

First coast-to-coast since 1918.



Partnerships were the Key

Federal Agencies

NASA Headquarters and all 10 Field Centers
Department of Transportation
National Park Service
National Science Foundation
NOAA
Smithsonian Astrophysical Observatory

Government funded projects

AURA/ Citizen CATE
NASA Museum Alliance
Night Sky Network
Radio Jove
Space Grant
STARNet/NASA@MyLibrary

Communities

Astronomers without Borders
Astronomical League
Boy Scouts USA
Charleston River Dogs
Exploratorium
Girl Scouts USA
Idaho Falls Chukars
Museum of Science Fiction
Planet Radio

Communities (cont.)

Salem Volcanoes
Science Friday
WGBH

Industry

Google
Lunt Solar Systems

Professional Societies and Organizations

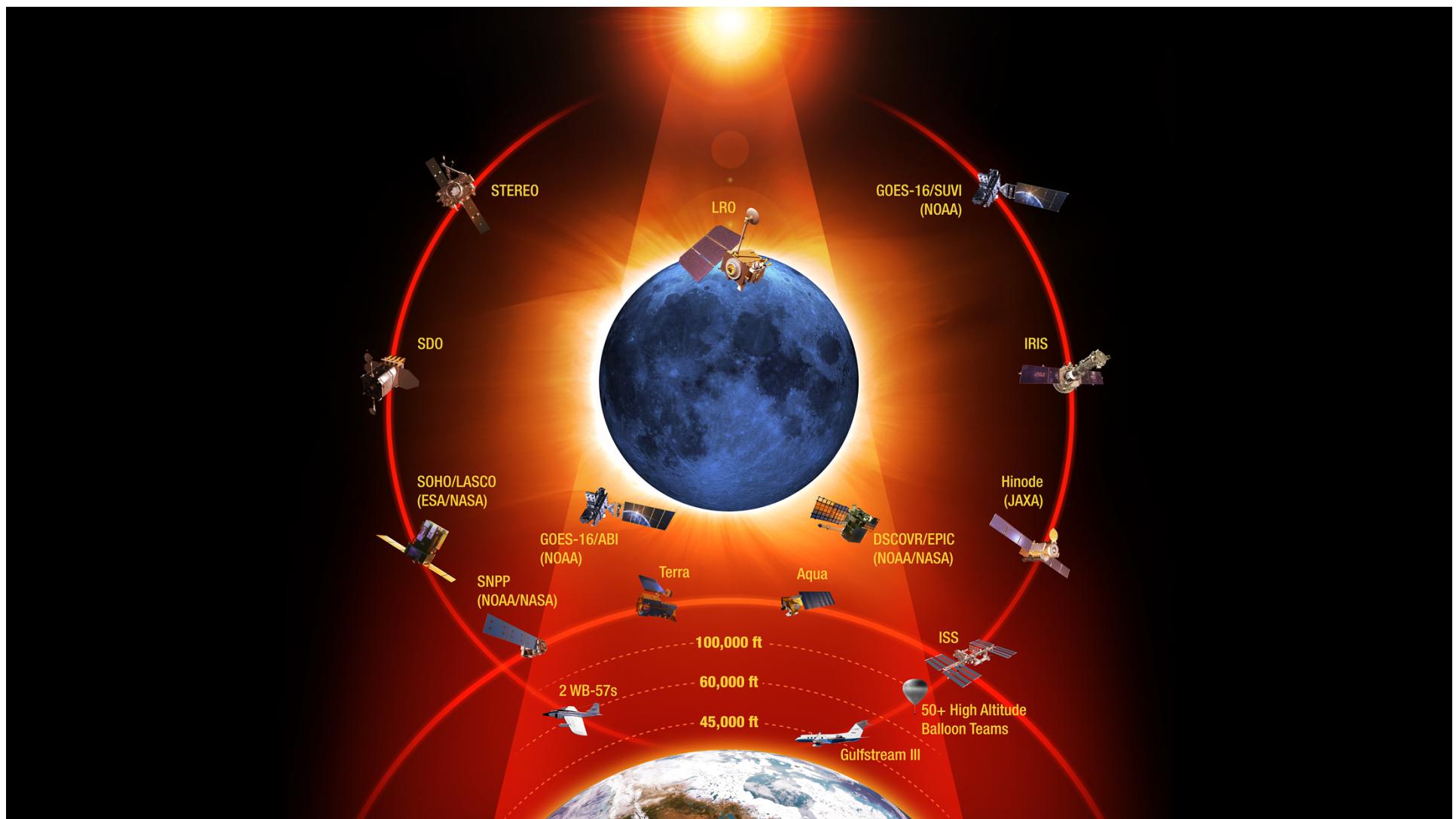
American Astronomical Society
Indigenous Education Institute
National Society of Hispanic Physicists
Pisgah Astronomical Research Institute
SETI Institute
Space Science Institute

Higher Education

Rice University
Southern Illinois University
Southwest Community College
UC Berkeley
University of Alaska
University of North Texas
Tennessee State University

Key partnerships across the SciAct Collective

- NASA Science Content – [WGBH](#), [e-Clips](#)
- Citizen Science – [Aurorasaurus](#), [Radio Jove](#), [Sensor development](#), [GLOBE](#)
- Education Technology – [STEM Innovation Lab](#), [ASU](#), [WGBH](#)
- Audience Reach – [WGBH](#), [NASA @ My Libraries](#), [SETI Girl Scouts](#)
- Accessibility – [Eclipse Soundscapes](#), [Smithsonian](#), [Universe of Learning](#), [Technology Spinoffs](#)







NASA GENERAL EVENTS



Safety!



SAFELY observing THE SUN

WARNING! Never look directly at the sun without proper eye protection. You can seriously injure your eyes.



View the eclipse with special eclipse glasses.



Regular sunglasses are not safe to view the eclipse.

SUN FUNNEL

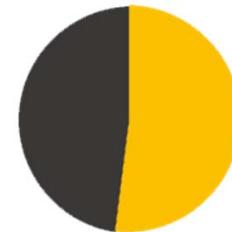


Inexpensive and easy to build, the sun funnel is a device that completely encloses the light coming from a telescope and projects a magnified image of the sun, large enough for many people to view at once.
<http://eclipse2017.nasa.gov/make-sun-funnel>

A critical partnership with AAS

ECLIPSE 2017: By the Numbers

- The largest NASA event ever with many firsts for the agency
- Agency's most-watched and most-followed Social Media event.
- 0.7 PBytes of data downloaded from eclipse2017.nasa.gov.
- [Eclipse2017.nasa.gov](http://eclipse2017.nasa.gov) and www.nasa.gov had over 90 million unique page views.
- Teletrax estimates our television content was aired in 22 countries worldwide Yielding a potential audience of more than 600 million.

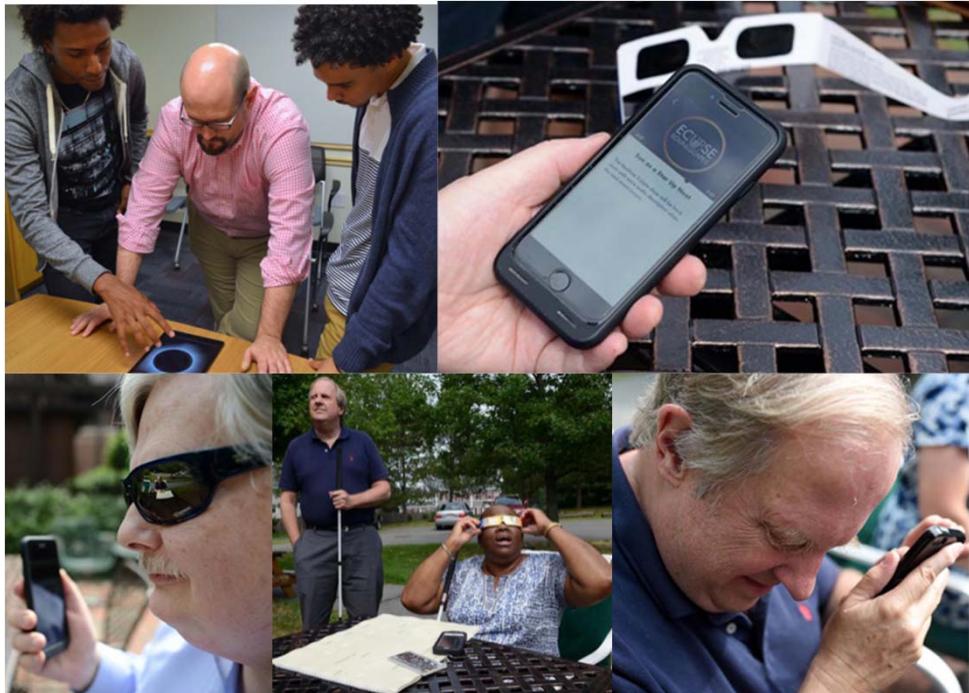


How did we reach audiences for whom space science is not normally accessible?

We Engaged Special Interest Groups



We Developed Assistive Technologies



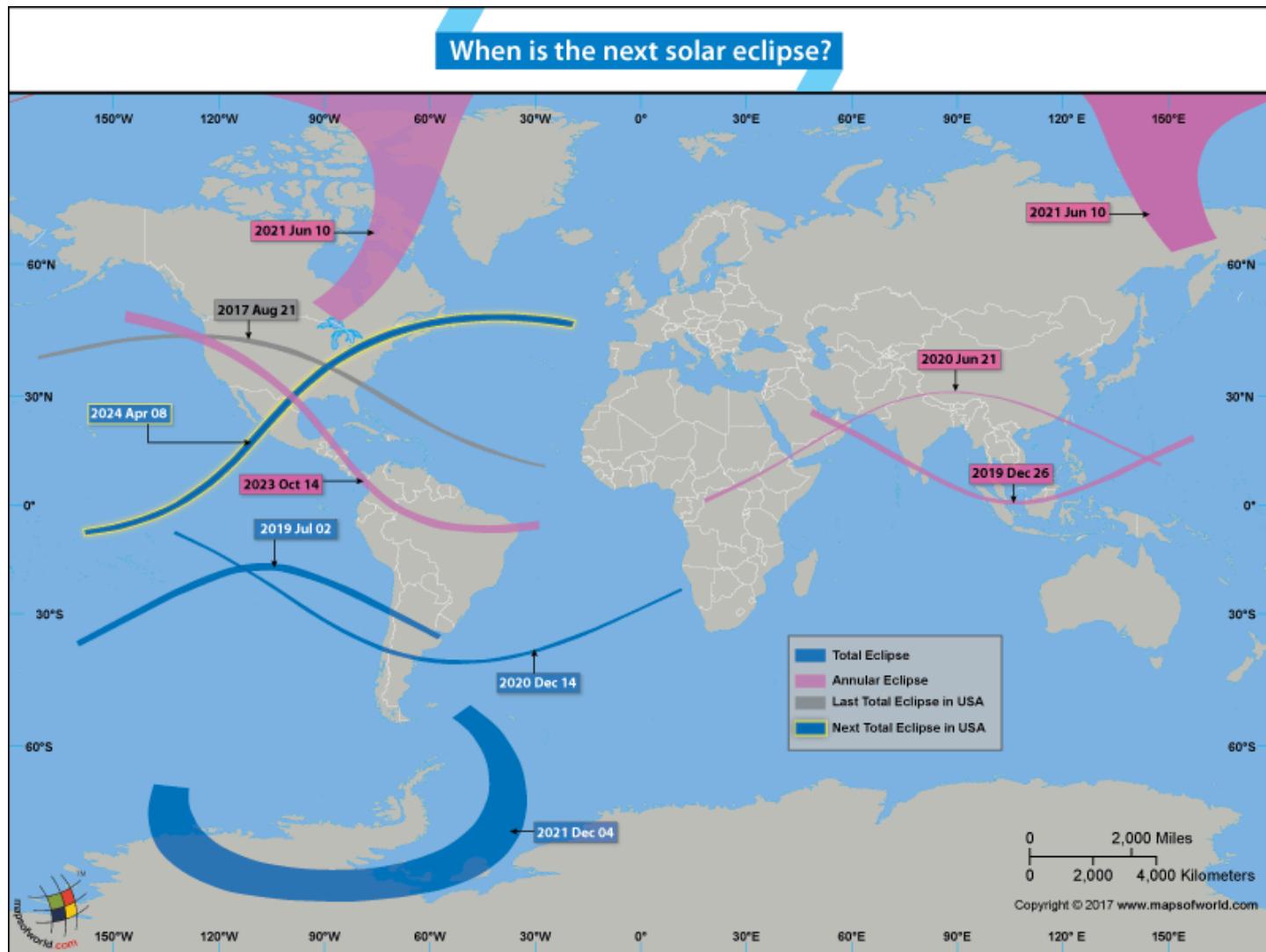
Since its creation in late June 2017 The Eclipse Soundscapes Facebook page [@EclipseSoundSAO](https://www.facebook.com/EclipseSoundSAO) has received 671 likes, 552 page followers, and a reach, the number of unique people who saw the content, of 24,028

Since its creation in late June 2017 The Eclipse Soundscapes Twitter account [@EclipseSoundSAO](https://twitter.com/EclipseSoundSAO) has received 50,374 tweet impressions, 562 profile visits, 135 mentions, and 186 followers. 28 stories were published by local and national news sources, 6 of which cater specifically to people who are blind and visually impaired

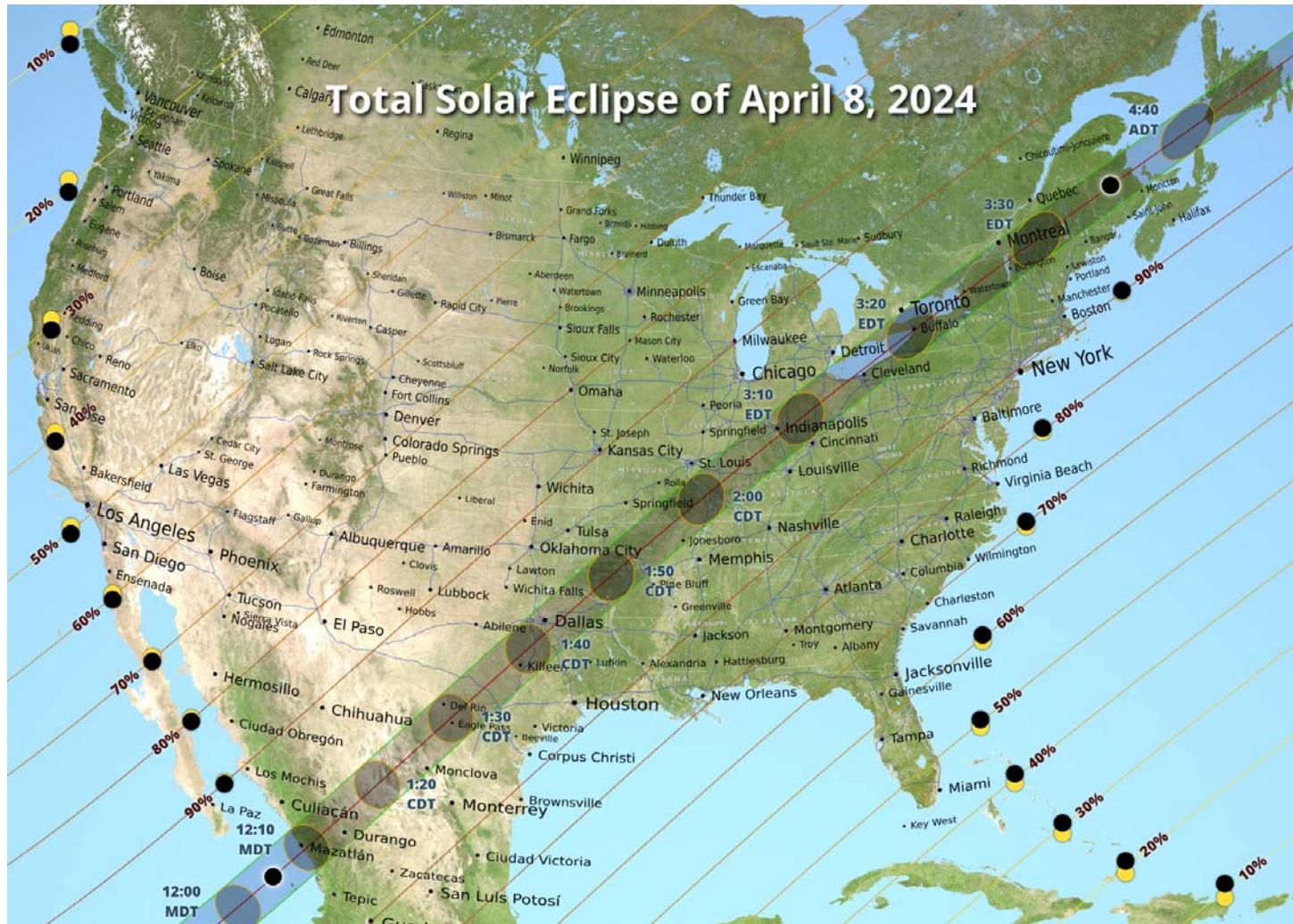


STEM Innovation Lab





Where will you be exactly 5 years from today?!



Thank You!!
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