



DELTA COLLEGE PLANETARIUM

100 Center Ave, Bay City, MI • 989-667-2260 • delta.edu/planetarium

April 8, 2024

Total Solar Eclipse

What: On Monday, April 8, 2024 a total eclipse of the Sun returns to the United States, the last great opportunity until 2045.

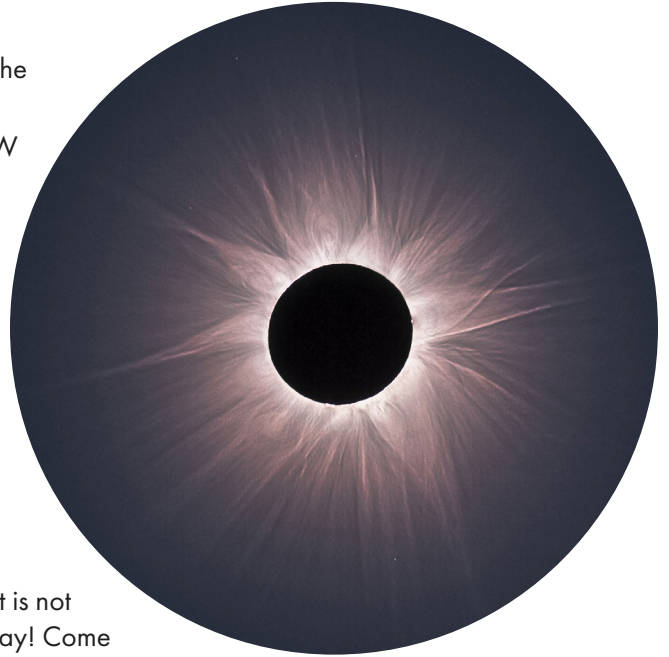
Where: The path of totality takes a narrow route across 11 States. NOW is the time to scout for observing sites and hotels.

Is it visible from Michigan? NO! Only a partial eclipse is observable from Michigan. In Bay City, 94% of the Sun will be blocked by the Moon. This is not enough to experience TOTALITY.

Should I travel to see the eclipse? YES! Totality is a unique experience you will remember for the rest of your life. The closest points where you can see the total eclipse are in Indiana and Ohio.

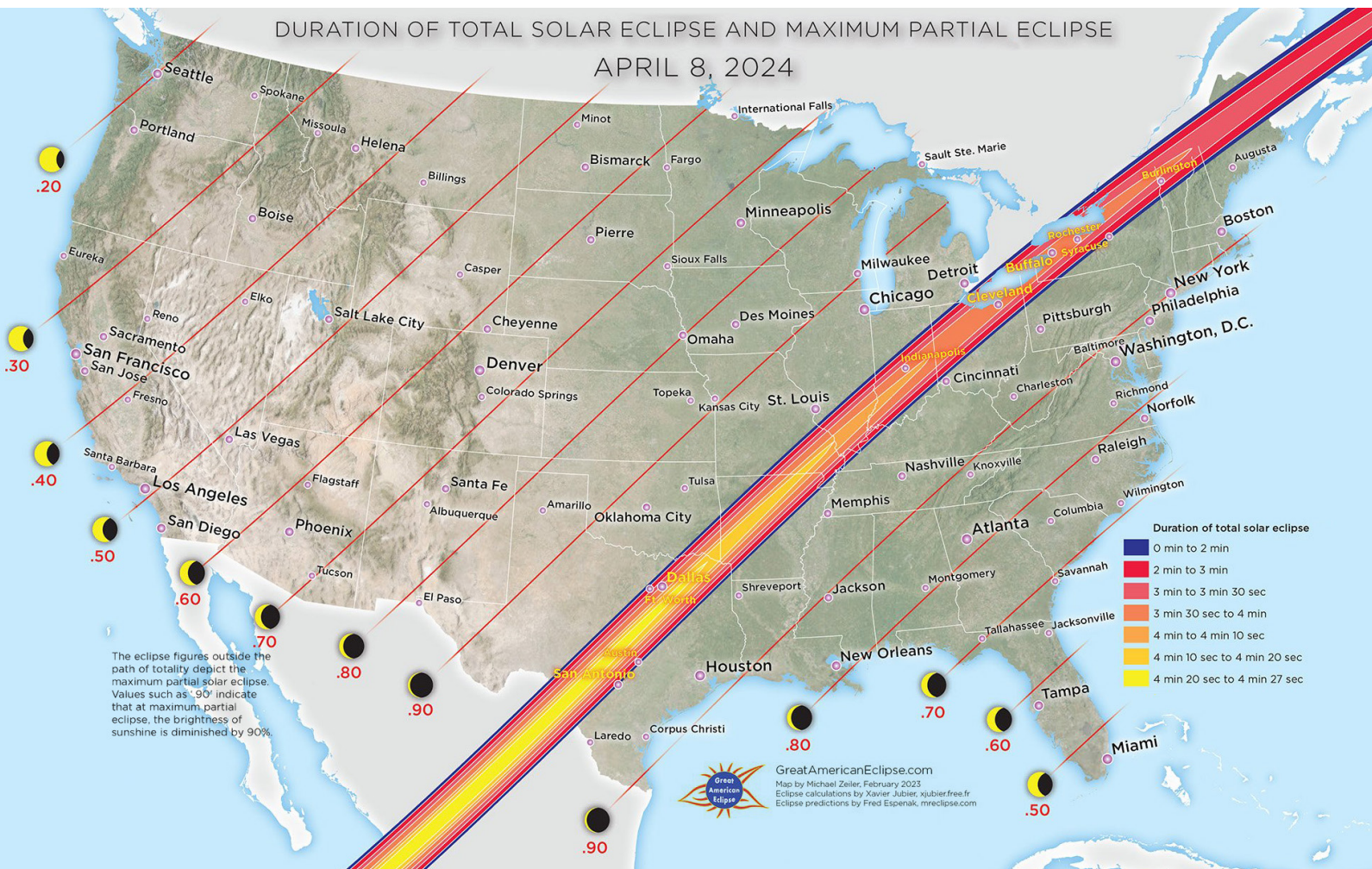
What if I can't travel? You can still come to our show **Eclipse: The Sun Revealed** playing through April 6, purchase eclipse glasses in our gift shop to protect your vision, and use the resources on the reverse of this sheet to live stream the eclipse.

What is the Planetarium doing on April 8? The main eclipse event is not here, so the Delta College Planetarium **will not be open** on eclipse day! Come here to prepare before the eclipse, but go to the path of totality to see it on April 8!



DURATION OF TOTAL SOLAR ECLIPSE AND MAXIMUM PARTIAL ECLIPSE

APRIL 8, 2024





Playing Through April 6, 2024

Eclipse: The Sun Revealed

Learn all about eclipses and how to observe them safely in this full dome planetarium show. **Eclipse: The Sun Revealed** is playing Saturdays at 3:30pm through April 6. Visit www.delta.edu/planetarium for tickets and up-to-date show information.

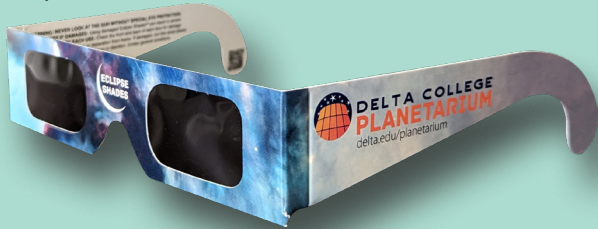
Eclipse Safety

Looking directly at the Sun can damage your eyes very badly very quickly, so it's important during an eclipse to take special precautions to protect your vision. Fortunately, these precautions are easily accessible and inexpensive.

The Sun is no more dangerous during an eclipse than any other day. If you are not looking at the Sun, you need no additional protection.

If you are going to observe the Sun, it's critical to remember that whenever **any** portion of the surface of the Sun is visible, you need eye protection. Special eclipse glasses allow the viewer to look directly at the Sun while protecting the eyes from dangerous light. These glasses are available in the Delta College Planetarium gift shop for \$1 per pair.

Always inspect eclipse glasses before using. They should have no holes, and only direct sunlight should be visible through them. If you are not sure your eclipse glasses are safe, **do not** use them. Your vision is too important to risk on faulty solar filters.



Travel Tips

- Begin planning as early as you can. Hotels within the path of totality are already selling out.
- Historically, the best chances for clear skies on April 8 are as far south and west along the path as you can travel.
- Try to plan additional places to visit during your trip. The eclipse is a great excuse to visit a national park.
- Look for local museums, libraries, colleges, and astronomy clubs holding events near your destination to find a place to observe the eclipse.
- If the forecast turns bad, you may be able to drive somewhere clear, but millions of people are expected to travel into the path of the eclipse to observe it, so be prepared to get caught in traffic and plan accordingly.
- If you are not an experienced photographer, do not try to take a picture of the eclipse. Stay in the moment and experience it.
- Remember to bring sunscreen, eye protection, water, and snacks to your observing site. Nobody wants a sunburn on eclipse day!

Solar Eclipse Online Resources

Eclipse Maps and Information

www.greatamericaneclipse.com/april-8-2024

A fantastic resource for details about the April 8, 2024 total eclipse. Includes several maps of the path of totality created by veteran eclipse chasers.

Solar Eclipse Simulator

eclipse2024.org/eclipse-simulator/

Includes an interactive map of the 2024 total eclipse, and generates simulated views and animations of the eclipse from your selected location. A great resource for helping find a place to view the eclipse.

National Eclipse Site

nationaleclipse.com

An excellent resource for information about eclipses and general eclipse time forecasts for the April total eclipse.

Exploratorium Live Stream

www.exploratorium.edu/eclipse

The Exploratorium in San Francisco, California sends expeditions out to live broadcast the eclipse to the world. If you are unable to travel, these live streams are a great way to watch the eclipse from home.