



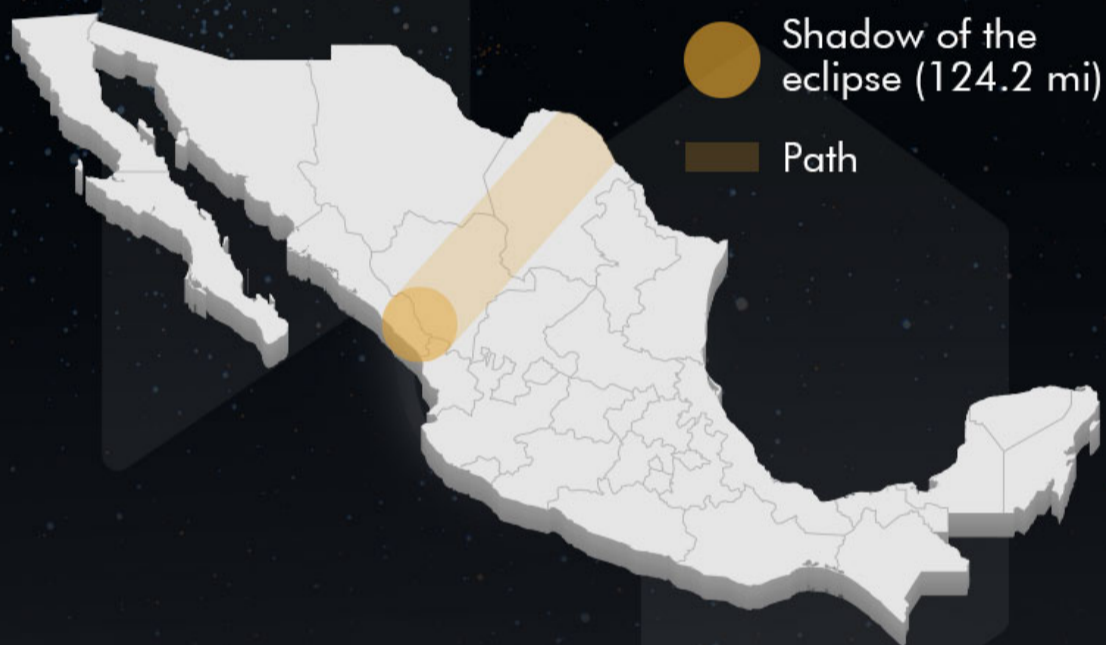
The great eclipse of
NORTH AMERICA



QUICK GUIDE TO OBSERVE
THIS PHENOMENON THAT WILL
NOT HAPPEN AGAIN UNTIL 2052

Enjoy the eclipse from **YOUR OWN HOME**

On **April 8th of 2024** we will be able to enjoy a total solar eclipse in the south region of Sinaloa. People from NASA, the European Space Agency, South America, Japan, Finland and more are coming to witness this astronomical phenomenon.



Cities in Sinaloa that will see a total eclipse



- ★ San Ignacio
- ★ Concordia
- ★ Mazatlán
- ★ El Rosario
- ★ Escuinapa



impulso

The eclipse in other states **WILL BE PARTIAL**

In some important cities of Mexico we will be able to observe a partial eclipse at different obscuration percentages according to their geographical position.

TIJUANA
54%



HERMOSILLO
77%



CHIHUAHUA
90%



MONTERREY
95%



GUADALAJARA
90%



LEÓN
86%



PUEBLA
70%



OAXACA
61%



Know the **SCHEDULE**

Partial Begins

(the lunar disk makes contact with the sun)

09 : 51 : 23

Maximum Totality

11 : 07 : 25

Totality Ends

11 : 11 : 45

Partial Ends

(the lunar disk stops making contact with the sun)

12 : 32 : 09

Duration of the maximum totality

4 minutes and 20 seconds

Position of the sun during totality **149.41°**

(SSE) Altitude **70.36°**

Safe ways to **SEE THE ECLIPSE**



Seeing the eclipse without safety measures and adequate equipment can produce temporal or permanent



✓ Use certified ISO 12312-2 glasses



✓ Use a shade 14 welding helmet



✓ Use a telescope with light or H-Alpha filter



✓ See indirectly the shadow of the eclipse with any object with holes.

UNSAFE ways to **SEE THE ECLIPSE**



✗ Using x-ray film



✗ Seeing through polarized car windows



✗ Seeing through sunglasses



✗ Seeing through water reflection

3 things that **SHOULD NOT DO**



1. Observe the eclipse through instruments without training

Telescopes or binoculars without filter are instruments that amplify the intensity of light and can cause severe damage to your vision without the adequate filters. Inform yourself and get trained in advance to use them properly.



2. Do not spread misinformation

From a scientific perspective there's no evidence that the eclipse causes damages to the overall health of any person or animal. It is important to take care of your vision in the phases previous and after the totality.



3. Don't take part in traffic and mobility problems

Mazatlan and all the south region of Sinaloa will receive thousands of visitors, create an observation plan, anticipate your shopping, avoid going to crowded places and follow the indications by authorities.



Natural effects of the eclipse makes the fauna disoriented and to doze, while in the flora the flowers close their petals due the light going down as well as the temperature.

