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# Hunter Williams

Let's talk about the total solar  
eclipse on April 8th, 2024!



KVUE Chief Meteorologist

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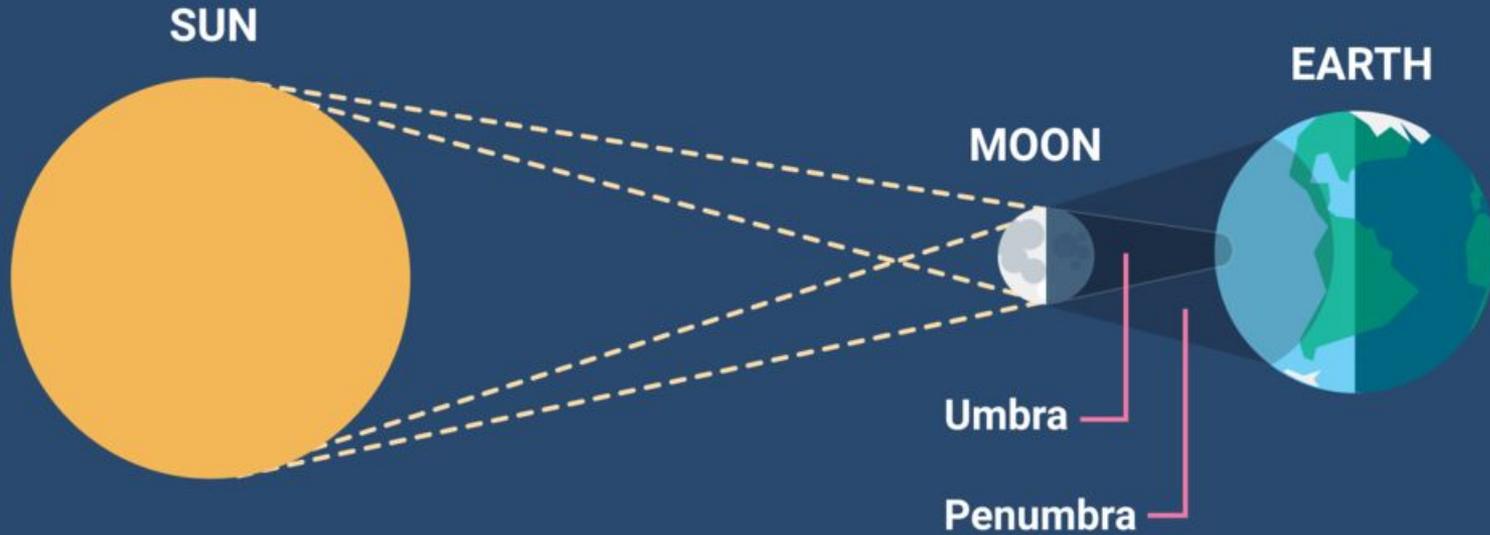
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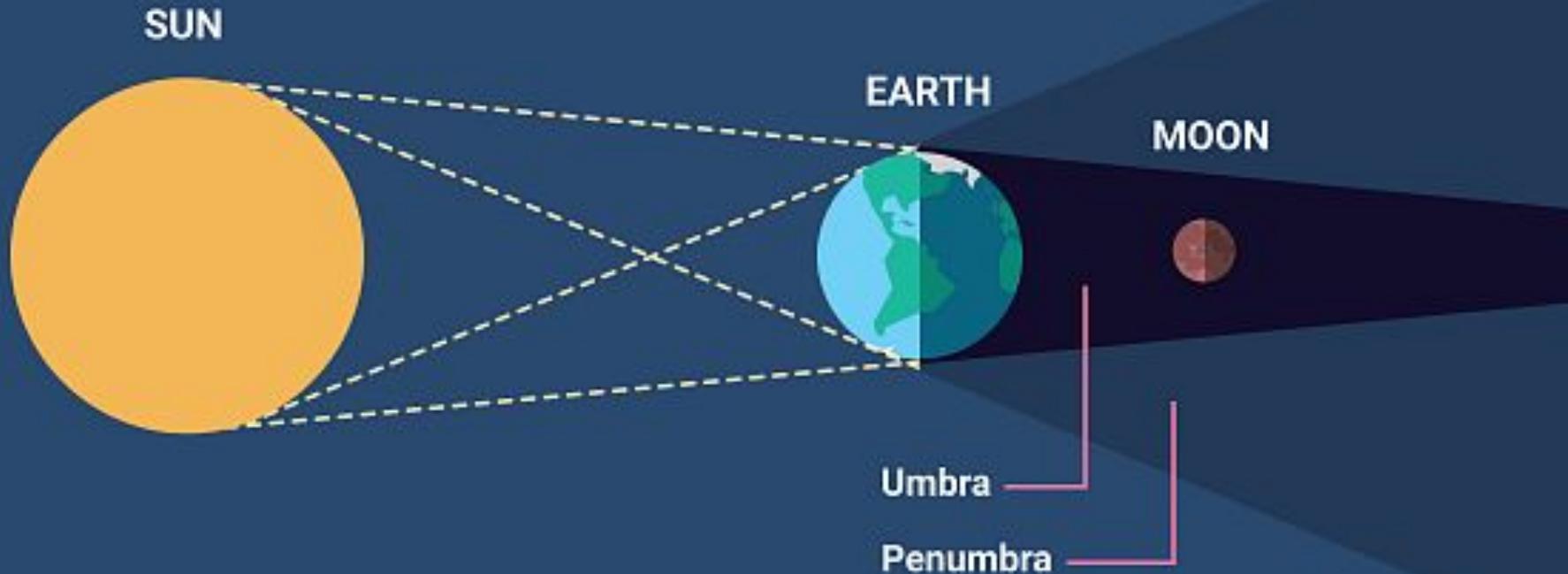
**What is a solar  
eclipse?**

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# Solar Eclipse



# Lunar Eclipse



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**Not all solar eclipses are  
the same...**

**There are 3 primary types.**

# Types of Solar Eclipses



Partial



Annular

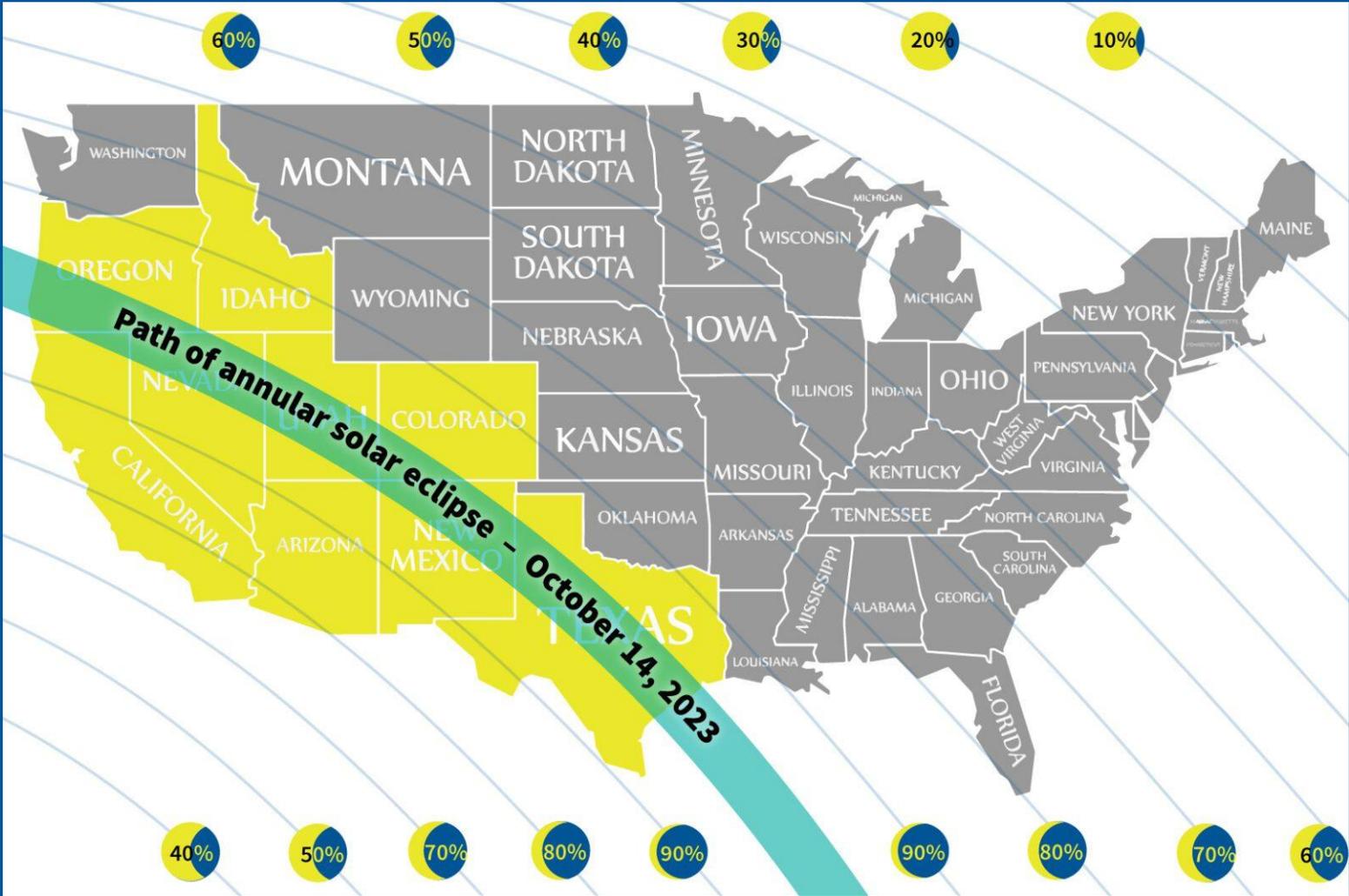


Total

—  
October 14th, 2023







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**The eclipse on April 8th 2024  
will be a total solar eclipse  
and not just a partial...it will  
be way cooler!**

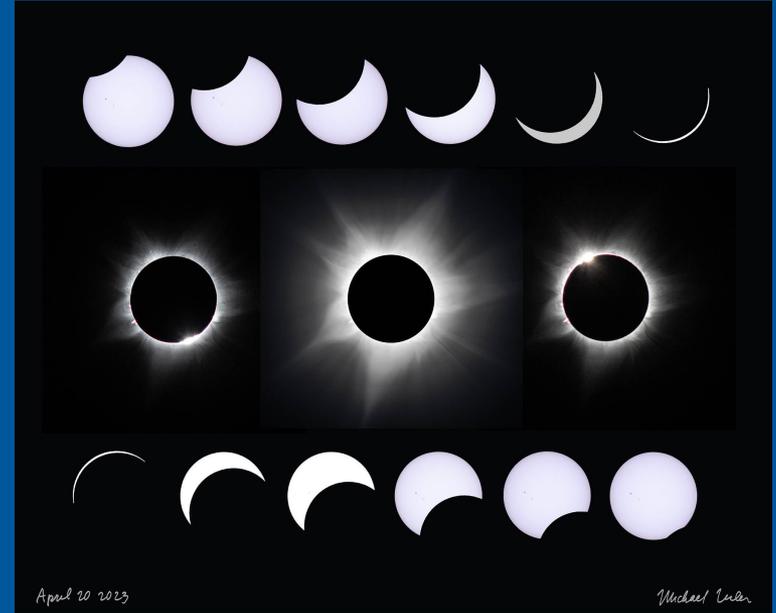
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# How rare is a total solar eclipse?

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**On average...a total solar eclipse  
happens every 1.5 years somewhere  
on the earth**



—  
However, for any given city a total solar eclipse happens every 360 years or so...

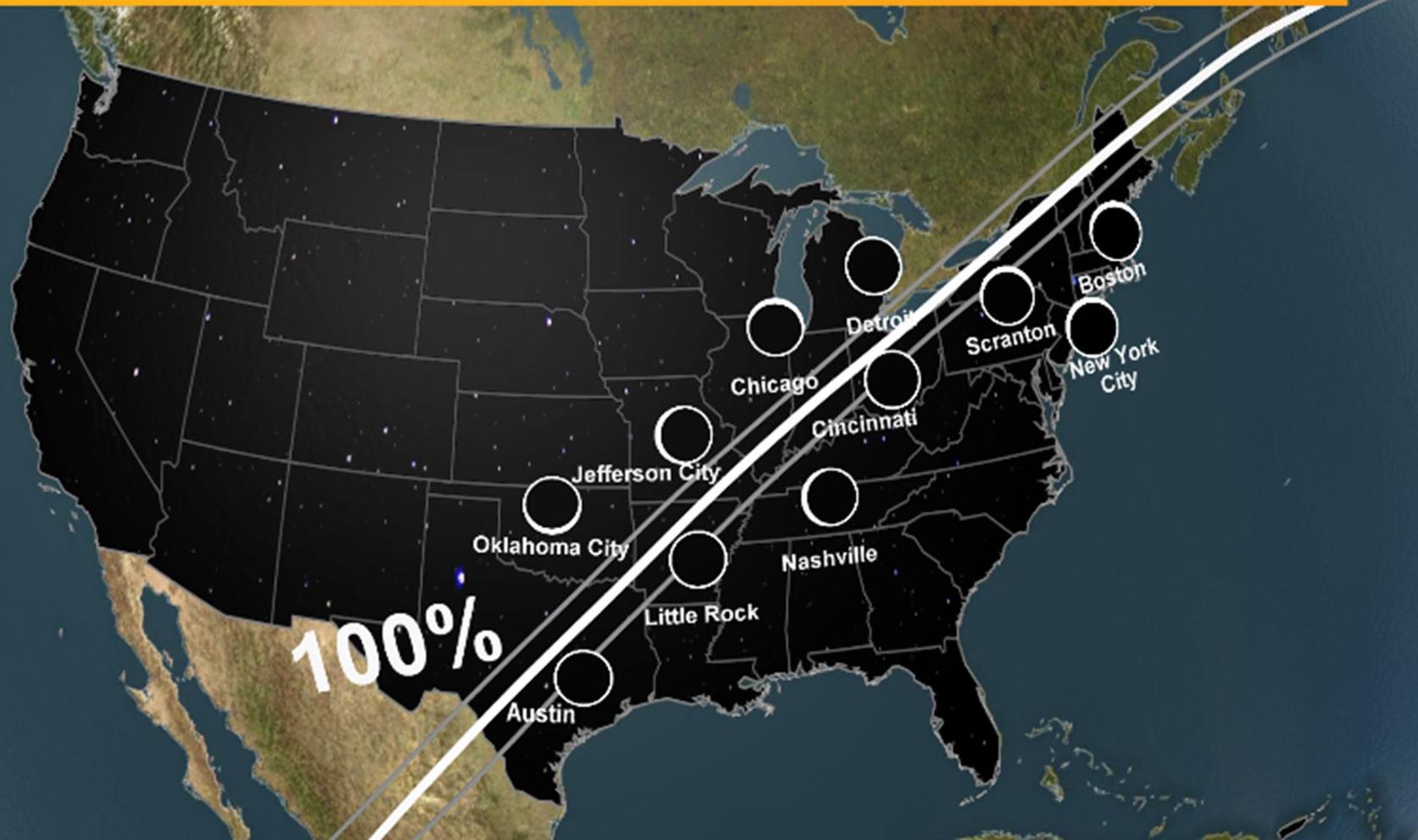


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**The last time Austin experienced a  
total solar eclipse was May 26th,  
1397**

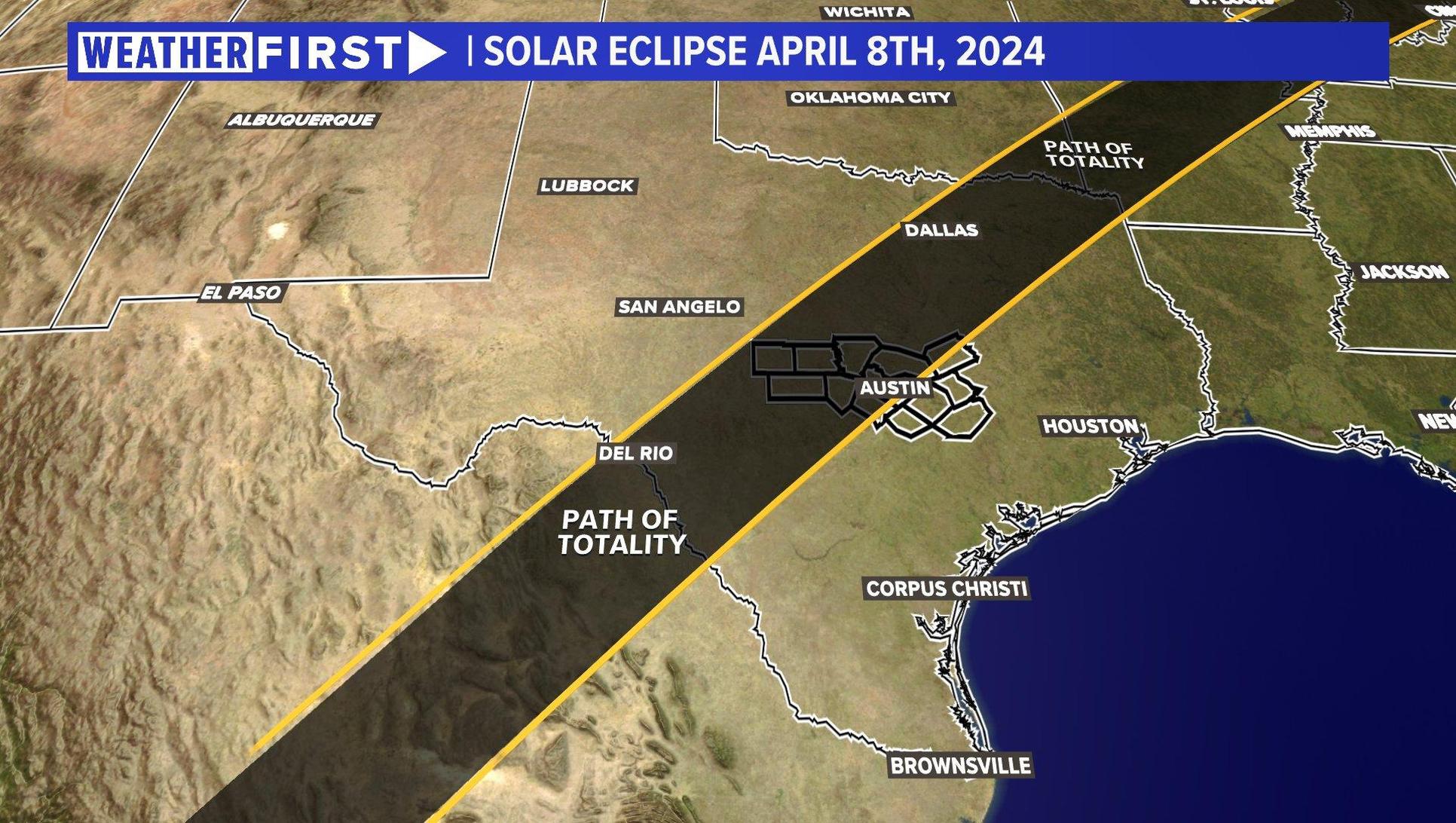


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# The Path of Totality



**WEATHER FIRST** | SOLAR ECLIPSE APRIL 8TH, 2024







Felipe Truoba, Imagen de Chile  
via Reuters  
Timelapse



—

**When exactly will the total  
solar eclipse happen on  
April 8th, 2024?**

**WEATHER FIRST** | TIME THAT TOTALITY BEGINS

**1:33:29 PM**  
MASON

**1:34:07 PM**  
LLANO

**1:34:52 PM**  
BURNET

**1:36:07 PM**  
GEORGETOWN

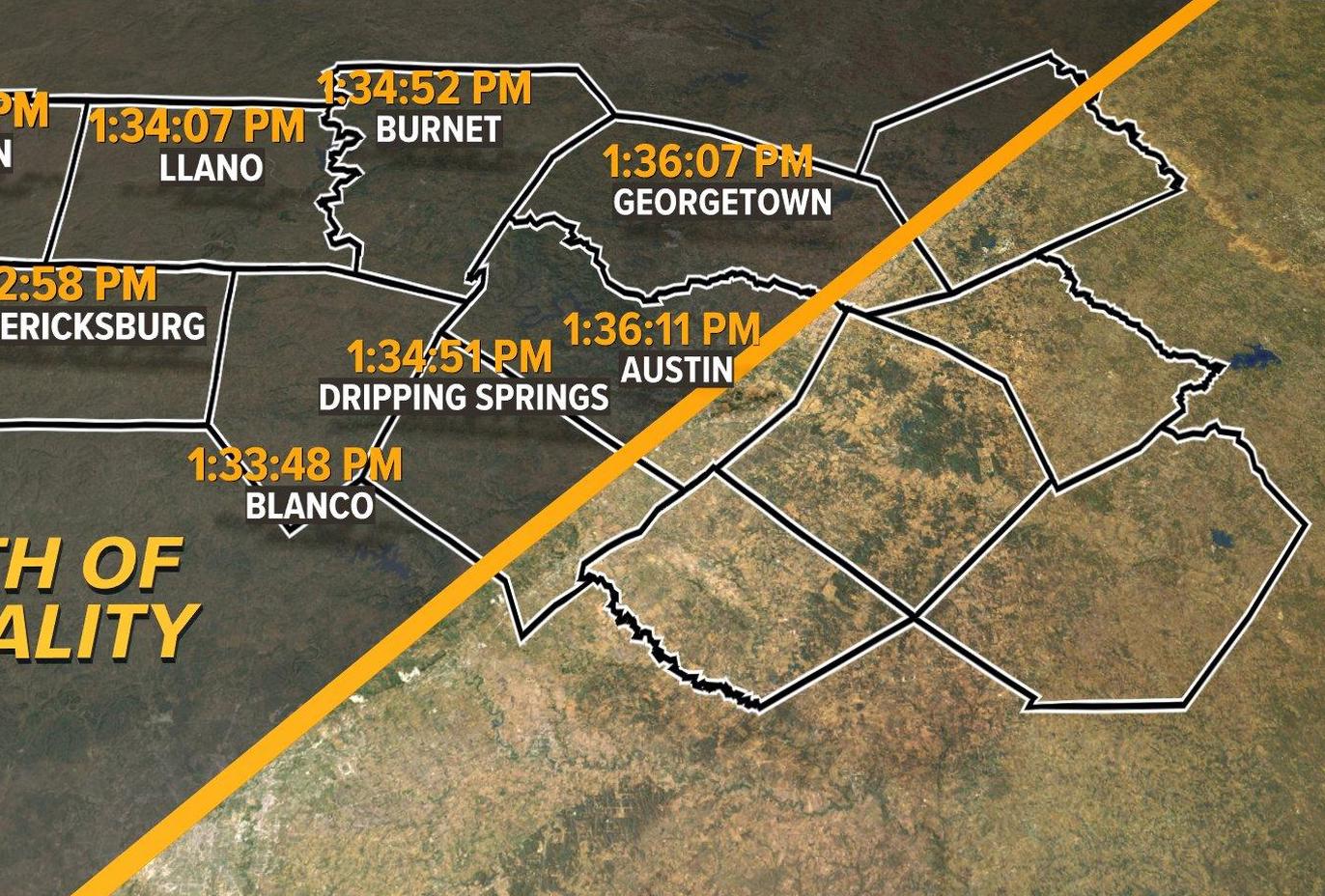
**1:32:58 PM**  
FREDERICKSBURG

**1:34:51 PM**  
DRIPPING SPRINGS

**1:36:11 PM**  
AUSTIN

**1:33:48 PM**  
BLANCO

**PATH OF  
TOTALITY**



**WEATHER FIRST** | TIME IN TOTALITY

**3m 46s**

MASON

**4m 23s**

LLANO

**4m 20s**

BURNET

**3m 15s**

GEORGETOWN

**3m 46s**

FREDERICKSBURG

**2m 58s**

DRIPPING SPRINGS

**1m 46s**

AUSTIN

**3m 37s**

BLANCO

**PATH OF  
TOTALITY**



[Sun & Moon Today](#)

[Sunrise & Sunset](#)

[Moonrise & Moonset](#)

[Moon Phases](#)

[Eclipses](#)

[Night Sky](#)

Apr 8, 2024 at 1:37 pm



Max View in Austin, Texas

**Global Event:** Total Solar Eclipse

**Local Type:** Total Solar Eclipse in Austin, Texas

**Begins:** Mon, Apr 8, 2024 at 12:17 pm

**Maximum:** Mon, Apr 8, 2024 at 1:37 pm 1.002 Magnitude

**Ends:** Mon, Apr 8, 2024 at 2:58 pm

**Duration:** 2 hours, 41 minutes

**Totality:** 1 minute, 46 seconds

All times shown on this page are local time.

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# Things to look for during the Total Solar Eclipse!

In the lead up to totality...

—  
Shadow Bands  
&  
Sharper Shadows



# Baily's Beads



—  
**Red Arc Around  
The Moon**

**Chromosphere  
“Middle Atmosphere”  
Of the Sun**



—

# Things to look for during the Total Solar Eclipse!

During totality...

—  
Look around you to  
Experience the 360  
degree sunset



# Solar Corona



— **Other things...**

**-The temperature will drop**

**-Birds and animals may start acting strange**

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# Safety During The Eclipse

# – Safety During The Eclipse

-You will still need eclipse glasses to view the partial eclipse leading up to totality

-Glasses can only be removed during totality if viewing the sun

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**The next total solar eclipse  
for Austin is not until Feb  
25th, 2343...So enjoy this  
one!**

