

Eclipse Information for 2024 Solar Eclipse

Total Solar Eclipse Date and Time

- Eclipse Date: Monday, April 8, 2024
- Eclipse Time: 12:18 PM - 2:58 PM CT
- Totality / Total Darkness: 1:35 PM - 1:39 PM
- Total Darkness: 4 minutes, 26 seconds

On Monday, April 8, 2024, a total solar eclipse will travel over Mexico, Texas, and 14 additional USA states, from Arkansas to Maine. Lampasas is situated directly in the path of totality and will experience the full effect of this eclipse, including complete blockage of the face of the Sun.

Safe solar viewing glasses or “eclipse glasses” or a handheld solar viewer must be used at all times when watching the partial phases of the solar eclipse directly with your eyes. No matter how dark, regular sunglasses are NOT safe for viewing the Sun. Safe solar viewers must comply with the ISO12312-2 international standard. Viewing any part of the bright Sun through a camera lens, binoculars, or a telescope without a special-purpose solar filter secured over the front of the optics will instantly cause severe eye injury.

***** As registered participants in the Four Corners Unit (4CU) ACI/WBCCI Solar Eclipse Rally, you will be provided with “eclipse glasses” to use for viewing the eclipse. *****

What Will Happen During the Eclipse?

During totality, Lampasas will experience a 360-degree sunset. The afternoon sky will darken as if it were dawn or dusk. Soft wisps of the Sun’s fiery atmosphere, normally invisible to the naked eye, will become visible around the Moon. This is a very rare and dazzling phenomenon. Scientists and observers have reported a quieting of nature during total solar eclipses. Birds stop chirping, bees cease buzzing, and frogs and crickets will chorus. The temperature will drop around 5° to 20°, depending on the weather.

Why Lampasas for the 4CU rally?

Lampasas is situated directly along the eclipse’s center line of totality, which marks the optimal location for viewing. Astronomy magazine listed Lampasas as # 6 of 20 best places to view the total eclipse. Lampasas is a prime location for eclipse viewing due to the low light pollution levels and duration of totality. Totality in Lampasas will last 4 minutes and 26 seconds. Texas Legato Winery has made available space for 130 Airstreams to DRY camp in their vineyard.

What is an eclipse?

A total solar eclipse takes place when the Moon passes between the Sun and the Earth, completely blocking the face of the sun.

What day is the Total Solar Eclipse in Lampasas, TX?

Monday, April 8, 2024

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What time is the Total Solar Eclipse in Lampasas, TX?

- Eclipse starts 12:18 pm
- Start of totality 01:35 pm
- Maximum eclipse 01:37 pm
- End of totality 01:39 pm
- Eclipse ends 02:58 pm

How long is the eclipse?

The entire eclipse event will occur from 12:18pm to 2:58pm. That's 2 hours 40 minutes of eclipse effects! This is when Lampasas will be shaded by the moon's penumbra. The most dramatic period of the eclipse is totality, which will occur from 1:35pm to 1:39pm. This is when Lampasas will be shaded by the darkest part of the Moon's shadow, the umbra. The umbra will travel at a speed of ~1,652 mph and will totally block direct sunlight in Lampasas for 4 minutes 26 seconds of totality.

What will happen during the eclipse?

Light from the sun will be blocked by the moon, which will cast a vast shadow called an "umbra" on the earth. Lampasas will experience a 360-degree sunset and the afternoon sky will darken. Scientists and observers have reported a quieting of nature during total solar eclipses, as birds stop chirping and bees cease to buzz. Check out this video showing what the eclipse will look like from Lampasas: <https://www.youtube.com/embed/69uyHEzVbYE>

What is the Umbra?

The umbra is a shadow's dark core. The umbra is the dark center portion of a shadow. The Moon's umbra causes total solar eclipses, and the Earth's umbra is involved in total and partial lunar eclipses. <https://www.timeanddate.com/eclipse/umbra-shadow.html>

What's the big deal?

On August 21, 2017, America witnessed its first coast-to-coast total solar eclipse in almost 100 years. Hundreds of thousands of tourists traveled to the line of totality to witness the event. The total solar eclipse on Monday, April 8, 2024, will last almost two minutes longer than 2017's totality. The next total solar eclipse in the USA will not occur until August 12, 2045.

Eclipse Safety from NASA <https://science.nasa.gov/eclipses/safety/>

Eye Safety for Total Solar Eclipses

Here are some important safety viewing guidelines to follow during a total solar eclipse.

- View the Sun through eclipse glasses or a handheld solar viewer during the partial eclipse phases before and after totality.
- You can view the eclipse directly without proper eye protection only when the Moon completely obscures the Sun's bright face – during the brief and spectacular period known as totality. (You'll know it's safe when you can no longer see any part of the Sun through eclipse glasses or a solar viewer.)

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- As soon as you see even a little bit of the bright Sun reappear after totality, immediately put your eclipse glasses back on or use a handheld solar viewer to look at the Sun.

To use your cellular telephone camera to take pictures of the eclipse, you will need a filter for your phone. The filters are available online from Amazon and elsewhere.

[https://www.amazon.com/s?](https://www.amazon.com/s?k=solar+eclipse+filter+for+iphone&crd=DCT955XFAV0C&sprefix=solar+eclipse+filter+for+%2Caps%2C323&ref=nb_sb_ss_ts-doa-p_1_25)

[k=solar+eclipse+filter+for+iphone&crd=DCT955XFAV0C&sprefix=solar+eclipse+filter+for+%2Caps%2C323&ref=nb_sb_ss_ts-doa-p_1_25](https://www.amazon.com/s?k=solar+eclipse+filter+for+iphone&crd=DCT955XFAV0C&sprefix=solar+eclipse+filter+for+%2Caps%2C323&ref=nb_sb_ss_ts-doa-p_1_25)

Where can I obtain eclipse glasses?

*** **Eclipse glasses will be provided to the registered participants of the 4CU rally.** These eclipse glasses comply with the transmission requirements of the ISO12312-2 international standard for filters for direct viewing of the Sun.

What does a total solar eclipse feel like?

According to Dr. Kate Russo, founder of Being in the Shadow:

A total eclipse of the Sun is one of the most dramatic and awe-inspiring events of the natural world. A total eclipse allows you to experience the three-dimensional nature of the universe – the Sun, the Moon, and Earth are all in perfect alignment, and you are standing in the shadow of our magnificent Moon. The scale is unimaginable, yet here it is happening right on top of you and around you. It is real. You can literally feel the ominous shadow before it arrives. The temperature drops. The wind picks up speed. The Sunlight slowly dims, bathing the surroundings in an eerie twilight that produces colors with shades rarely seen in the natural world. Then it is time. Moments before totality, a wall of darkness comes creeping towards you at speeds of up to 5,000 miles per hour – this is the full shadow of the Moon. You feel alive. You feel in awe. You feel a primitive fear. Then – totality. In this moment there is just you and the Universe.

From the City of Lampasas, TX

Due to the high number of visitors to the Lampasas area, normal services such as markets and gas stations will be limited. Also, traffic on the roads is expected to be quite heavy. Plan on possible delays arriving to the winery on Saturday and plan on avoiding traveling on the roads on Sunday and Monday. Great American Eclipse <https://www.greatamericaneclipse.com/> is predicting anywhere from 180,000 to 720,000 visitors will travel to Texas. While it is impossible to predict the exact number of people traveling to Lampasas, expect tens of thousands in Lampasas County.