

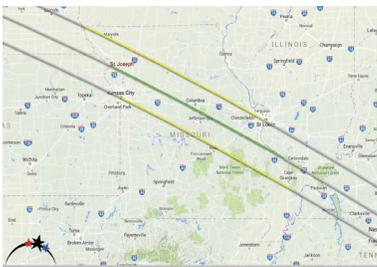


ECLIPSE DETAILS

- **What is a solar eclipse?** A solar eclipse is a lineup of the Sun, the Moon, and Earth. The Moon, directly between the Sun and Earth, casts a shadow on our planet.
- This will be the first such event to cross our entire country in nearly 100 years. We haven't had one coast-to-coast since 1918.
- The last total solar eclipse within the contiguous 48 States was on February 26, 1979, when one drifted through the northwest quarter of the country.

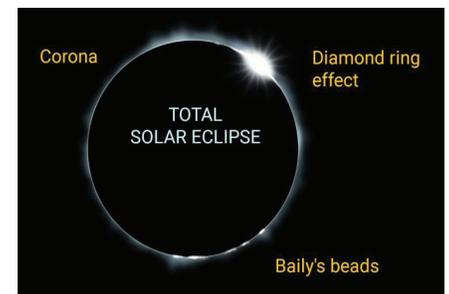


THE PATH IN MISSOURI



- The further away from the center path (blue line) the shorter the amount of totality.
- If you are not within the gray band on the map, you will only experience partial totality
- For both Missouri and St. Joe, the last total solar eclipse to touch each occurred June 16, 1806, at Rosecrans Memorial Airport, and totality lasted 3 minutes and 4 seconds.
- The next Solar Eclipse to occur in and around St. Joseph won't happen for 189 years.
- **St. Joseph, the 5th largest city on the path of totality, will see a whopping 2m38.6s of totality beginning at 1:06 pm.**

- The eclipse begins at 11:40:34 a.m. with the Sun 54.1° high in the southeast.
- The total eclipse starts at 1:06:19 p.m. when the Sun is 61.9° high in the south.
- Maximum eclipse occurs at 1:07:38 p.m. when the Sun is 61.9° high in the south
- The end of totality is at 1:08:57 p.m. with the Sun 61.9° high in the south.
- The eclipse ends at 2:34:27 p.m. when the Sun is 57.9° high in the southwest.
- The width of the Moon's shadow is 70.15 miles
- The shadow's speed is 1,584 mph, twice the speed of sound.



The **diamond-ring effect** occurs at the beginning and end of totality during a total solar eclipse. As the last bits of sunlight pass through the valleys on the moon's limb, and the faint corona around the sun is just becoming visible, it looks like a ring with glittering diamonds on it.

The **Baily's beads effect** is a feature of total solar eclipses. As the moon "grazes" by the Sun during a solar eclipse, the rugged lunar limb topography allows beads of sunlight to shine through in some places, and not in others.

During totality the Moon completely covers the disc of the Sun. Only the Sun's **Corona** is visible. This is the most dramatic stage. 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.

"Pictures do not convey the experience of totality. Nothing you read, see, or hear can prepare you for the spine-tingling, goosebumps-inducing experience of the total eclipse. The eerie twilight that confuses birds and other animals and, at times, humans, is like no other experience you have ever had. It is impossible to be a passive observer. You do not simply see a total eclipse. You experience it. You are immersed in it. You are completely overwhelmed by it. Many people say that the experience of totality changes their lives." **Dr. Kate Russo** - www.beinginthesadow.com

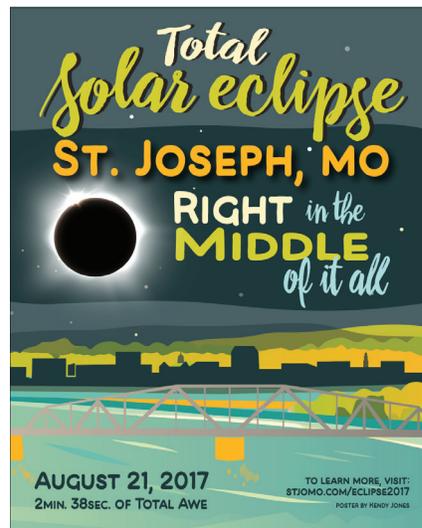
WHAT TO EXPECT IN ST. JOSEPH? *(Comprehensive Eclipse events sheet download-able at StJoMoEclipse.com)*

St. Joseph will have several established viewing locations, including educational programming. Many of our museums will offer special events, exhibits, presentations, kids activities and projects related to the eclipse during August 18-21. Our largest annual arts and entertainment festival, Trails West!®, will have activities related to the eclipse August 18-20, and will remain a viewing location on Monday, Aug. 21. Missouri Western State University is planning on live-streaming of the eclipse online, as well as planetarium shows, exhibits and programming at the Walter Cronkite Memorial during the weekend of the eclipse. East Hills Mall will have a walk-thru planetarium on site. At Rosecrans Airport, national and international astronomers will be on site with their high-powered telescopes.

WEBSITE & SOCIAL MEDIA

StJoMo.com/Eclipse2017 - official St. Joseph Eclipse landing page on the St. Joseph Visitors Bureau website
Facebook.com/Eclipse2017inStJoMo | Twitter.com/Eclipse2017inStJo | Instagram.com/Eclipse2017inStJo

MERCHANDISE – SOLAR ECLIPSE SWAG



- T-shirts: M-XL \$15, XXL \$18
- Commemorative Solar Glasses: Packaged 6 for \$10
- Commemorative Solar Eclipse Posters: \$5.00 each

Items can be purchased at St. Joseph CVB office, 109 S. 4th Street, and the Visitors Center, 502 N. Woodbine, or order by emailing lbernard@stjomo.com or call 816-233-6688.

If you are interested in retailing merchandise at your location, please contact Lindsay for special rates.

This flyer is updated often. For the most up to date version, go to StJoMoEclipse.com.

For a list of other eclipse experts, please contact us.



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