



# SAINT LOUIS ASTRONOMICAL SOCIETY

ATTN: CALENDAR, NEWSROOM, OR PSA EDITOR

October 9, 2023

FOR IMMEDIATE RELEASE

CONTACT: Rich Heuermann

(314) 962-9231 (home)

## How and Where To View the October 14 Partial Eclipse of the Sun

Four St. Louis-metro astronomy societies are hosting **free viewing of the upcoming solar eclipse on Saturday, October 14, 2023 at the following 6 locations.**

10:30am to 1:30pm Jefferson College Observatory, Hillsboro, MO. Jefferson College and the St. Louis Astronomical Society (SLAS) will host eclipse viewing. During the event, the dome and 16-inch telescope will be used for public viewing of the eclipse. We will have safe solar telescopes on the 1,800 sq-ft observing. People should only bring their telescopes IF they are equipped for safe solar viewing. SLAS will be providing Free eclipse glasses to the first 500 attendees.

[https://nightsky.jpl.nasa.gov/event-view.cfm?Event\\_ID=129015](https://nightsky.jpl.nasa.gov/event-view.cfm?Event_ID=129015)

9:30am to 4pm McDonnell Planetarium, Forest Park. The McDonnell Planetarium and the St. Louis Astronomical Society (SLAS) will host eclipse viewing. SLAS will have solar telescopes for people to look through. The planetarium will also be providing FREE eclipse glasses to the first 5,000 guests.

[https://nightsky.jpl.nasa.gov/event-view.cfm?Event\\_ID=133767](https://nightsky.jpl.nasa.gov/event-view.cfm?Event_ID=133767)

10:30am to 1:30pm. Gateway Arch. The National Park Service (NPS) and the St. Louis Astronomical Society (SLAS) will host viewing of the partial solar eclipse from the Gateway Arch Entrance Plaza. The Park will have solar eclipse glasses and an Eclipse Junior Ranger booklet available for distribution, along with at least one filtered telescope. People should only bring their telescopes IF they are equipped for safe solar viewing. SLAS will be providing Free eclipse glasses to the first 300 attendees.

[https://nightsky.jpl.nasa.gov/event-view.cfm?Event\\_ID=134622](https://nightsky.jpl.nasa.gov/event-view.cfm?Event_ID=134622)

10am to 2pm. Annular Eclipse at Carlyle Lake. Join the River Bend Astronomy Club at the Dam East boat ramp at Carlyle Lake on October 14 for safe solar viewing of the partial Annular Eclipse. We have safe solar filters on our telescopes so you can watch the eclipse phases up close! Members will be on hand for information and questions. Activities about the sun will be available as well as free solar glasses. Children can make UV bead bracelets also. Come join us from 10 am to 2 pm!

[https://nightsky.jpl.nasa.gov/event-view.cfm?Event\\_ID=132588](https://nightsky.jpl.nasa.gov/event-view.cfm?Event_ID=132588)

10am to 2pm. Camp Trinity Lutheran Church Camp, New Haven, MO. The Eastern Missouri Dark Sky Observers (EMDSO) will host eclipse viewing at Camp Trinity Lutheran Church Camp on October 14th. Eclipse glasses will be given away free.

[https://camptrinity.org/?page\\_id=37](https://camptrinity.org/?page_id=37)

<http://emdso.org/>

10am to 2pm. Brommelsiek Astronomy Site, St Charles County. The Astronomical Society of Eastern Missouri (ASEM) will host eclipse viewing.

<https://www.asemonline.org/beginners-pages/places-to-observe>

For more information, please check each club's websites and Facebook pages before eclipse day.

**Jefferson College** - [jeffco.edu/Observatory](http://jeffco.edu/Observatory)

<https://www.facebook.com/JCObservatory>

**St Louis Astronomical Society** - [slasonline.org](http://slasonline.org)

[https://www.facebook.com/stlastro/?ref=page\\_internal](https://www.facebook.com/stlastro/?ref=page_internal)

**Astronomical Society of Eastern Missouri** – [asemonline.org/](http://asemonline.org/)

<https://www.facebook.com/Astronomical-Society-of-Eastern-Missouri-226572914663884>

**Eastern Missouri Dark Sky Observers** - [emdso.org](http://emdso.org)

<https://www.facebook.com/EasternMissouriDarkSkyObserver>

**River Bend Astronomy Club** - [riverbendastro.org/](http://riverbendastro.org/)

<https://www.facebook.com/RiverBend-Astronomy-Club-RBAC-137093222969249>

## **Frequently asked questions – Oct. 14, 2023 Solar Eclipse**

### **When is this eclipse visible from St. Louis?**

The eclipse will begin at 10:30am with the Sun 33 degrees above the southeastern horizon. Maximum eclipse will occur at 11:56am with approximately 65% of the Sun covered by the Moon. The eclipse will end at 1:30pm with the Sun 43 degrees above the horizon. You must find an unobstructed location to view the eclipse.

### **Where is the best place to observe the eclipse?**

The eclipse will be visible over most of the United States. From Missouri this will be a partial solar eclipse. The Moon will cover 67% of the Sun if you are in southwest Missouri and 53% if you are in northeast Missouri. In the St Louis area, about 54% will be covered. The “annular” phase of the eclipse, will only be viewable in a narrow path cutting through the following states: you must be in the following states: Oregon, California, Nevada, Utah, Arizona, Colorado, New Mexico, and Texas. See the following websites for more information about locations and exact timing for the Oct. 14th eclipse.

<https://solarsystem.nasa.gov/eclipses/2023/oct-14-annular/overview/>

[http://xjubier.free.fr/en/site\\_pages/solar\\_eclipses/ASE\\_2023\\_GoogleMapFull.html](http://xjubier.free.fr/en/site_pages/solar_eclipses/ASE_2023_GoogleMapFull.html)

<https://eclipsewise.com/solar/SEgmapx/2001-2100/SE2023Oct14Agmapx.html>

<https://www.timeanddate.com/eclipse/map/2023-october-14>

<https://www.greatamericaneclipse.com/october-14-2023>

### **Can I safely view the eclipse?**

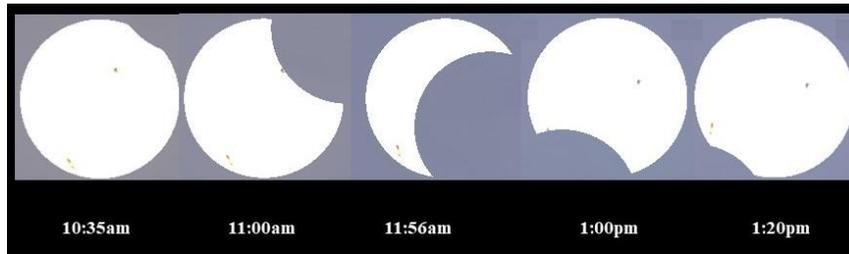
There are several safe methods for viewing the Sun. These methods are described on the internet and found in books at your local library. Safe methods include: special “eclipse glasses”; and pin-hole projection. UNSAFE methods include: Sunglasses; Mylar Balloons or Food Wrappers; Smoked Glass; X-Ray Film; Film Negatives; and CDs. See the following NASA Websites for more safety information.

<https://solarsystem.nasa.gov/eclipses/2023/oct-14-annular/safety/>

<http://eclipse.gsfc.nasa.gov/SEhelp/safety2.html>

### **Can I safely photograph the eclipse?**

Still or video photography can be an enjoyable way to document the eclipse. Protect your camera the same as your eyes, use only special “solar filters” when photographing the Sun. Photography guidebooks can be found at your local library, camera shop, or on-line.



### **How to See the 2023 Annular Solar Eclipse: Top 10 Tips to Observe & Photograph Solar Eclipses**

<https://www.youtube.com/watch?v=OcTXSoqO1ms>

### **Learn how to Photograph the Annular Eclipse | DSLR, Telephoto Lens, Star Tracker Tutorial**

<https://www.youtube.com/watch?v=275onafcdCY>

### **How to Plan and Photograph the Partial Solar Eclipse - October 25, 2022 | Step by Step Tutorial**

[https://www.youtube.com/watch?v=4Uxqlp99XnU&list=PLI-0nYk64zjrH\\_kfPBZD\\_xtxmRJIxF1Ap&index=6](https://www.youtube.com/watch?v=4Uxqlp99XnU&list=PLI-0nYk64zjrH_kfPBZD_xtxmRJIxF1Ap&index=6)

### **How to photograph a solar eclipse, with Alan Dyer**

<https://earthsky.org/human-world/how-to-photograph-a-solar-eclipse-alan-dyer/>

The St. Louis Astronomical Society is an organization for individuals interested in astronomy and telescopes. The public is invited to attend its meetings, telescope observing sessions, and special events. For more information about Astronomical Society events, please visit [www.slasonline.org](http://www.slasonline.org) , or call 314-962-9231.

# # #

Associate Member, NASA Missouri Space Grant Consortium at Washington University in Saint Louis  
Campus Box 1169, One Brookings Drive, Saint Louis, MO 63130-4899