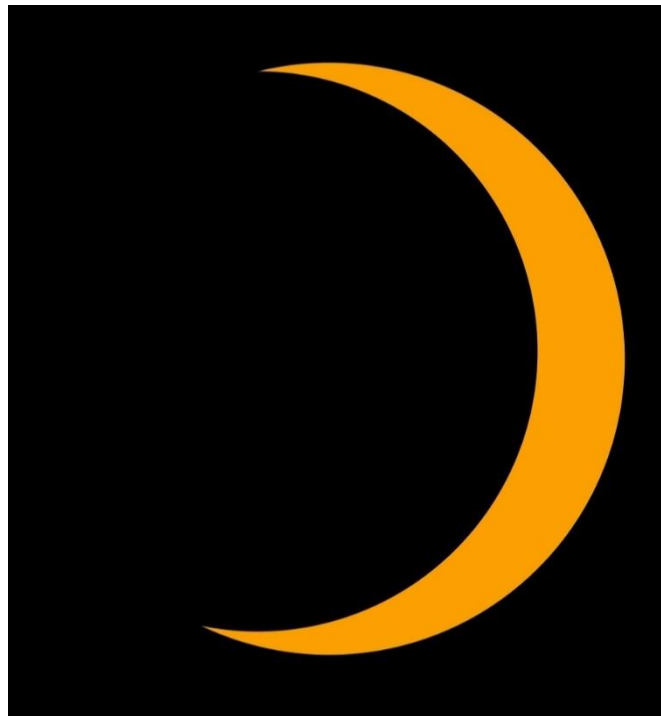




SOL (Solar Observing Lab) is back for a second year of this special event. SOL allows an unprecedented experience allowing everyone to safely observe our nearest star, the Sun. For 2023 SOL will take place on Saturday, October 14<sup>th</sup>, 2023.

This year is very special as SOL will take place during the 2023 annular eclipse. From 8:00am to 2:00pm specialized telescopes will be available to safely observe this celestial event. The event location for SOL provides a view of the eclipse as a deep partial eclipse, where nearly 80% of the Sun's disk will be covered during the peak of the event.



Above is an example of what the eclipse will appear like during the peak of the eclipse at SOL.

This celestial event does require specialized filters to safely observe it. SOL provides a safe environment to explore safe solar observation with a variety of telescopes and equipment. Now only does it provide a safe way to observe the eclipse, but it also provides a great learning opportunity to explore various telescopes and filters for safe solar observing.



# Event Schedule

## Day Time Events

- Astronomers Set Up: 6:30am to 7:45am
- Doors Open to the Public: 8:00am
- **Eclipse Start:** **8:10am**
- **Eclipse Maximum:** **9:31am**
- **Eclipse End:** **11:01am**
- Event Closes to the Public: 11:30am



# Public Information

SOL is open to people of all ages and interest levels. There is a general admission fee to enter the Earth & Space Expedition Center, all admissions to go funding the center. There is no additional fee to attend SOL.

## General Admission Information:

- Adults: \$10
- Children: \$8
- Children Under 5: Free
- Paradise Valley Student (with ID): Free
- Paradise Valley Teachers (with ID): Free

Tickets can be purchased at the door, or a pre-registration will be available ahead of time, passes can then be picked up at the Earth & Space Expedition Center Gift shop on the day of SOL.

If you are only coming for the star party, you will need to purchase a star party ticket at the Earth & Space Expedition Center Gift shop.

## Public Parking:

Parking is available at the Earth & Space Expedition Center, but spaces are limited. Cars can park along the street if the lot is full. There is no fee or time limit for parking.



# Astronomers

Astronomers planning to attend SOL must register with Focus Astronomer beforehand. SOL is a public event so all telescopes and attending astronomers must be willing to share their knowledge and equipment with event attendees. There is no power on the field, so it is recommended to bring your own power supplies. A step stool is also recommended to aid in viewing through telescopes.

Please ensure that you are using the proper equipment for safe observing of the sun.

Sunshades are welcome and can be accommodated. Tables can be provided if needed, please ask event organizers if a table is needed for your booth.

It is recommended to bring your own water and refreshments.

To register as an astronomer please email the following:

Email: [focusastronomy@gmail.com](mailto:focusastronomy@gmail.com)

Required Information:

- Name
- Email
- Equipment

## **Set Up:**

- Astronomer Set Up Times: 6:30am to 7:45am

Field gates close at 7:45am and will not reopen until 2:00pm once the telescope field has been cleared of public attendees.

All attending astronomers are liable for their own equipment. Focus Astronomy and the Earth & Space Expedition Center are not liable for any equipment loss or damage at the event. By registering yourself as an astronomer assisting at SOL you agree to these terms and conditions.

Attending astronomers should be courteous and professional at all times. Anyone who does not abide by the event rules will be asked to leave.



# **Contact Information**

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SOL is a joint effort between Focus Astronomy and the Earth & Space Expedition Center. If there are any questions, please see the following for contact information.

**Location:**

**Earth & Space Expedition Center**

**17835 N 44<sup>th</sup> St**

**Phoenix AZ 85032**

**623-322-2001**

**[www.earthandspaceexpeditioncenter.org](http://www.earthandspaceexpeditioncenter.org)**

**Scott Oliver**

**[soliver@theearthandspace.org](mailto:soliver@theearthandspace.org)**

**Main Event Contact:**

**Kevin LeGore**

**[focusastronomy@gmail.com](mailto:focusastronomy@gmail.com)**

**Main Event Website:**

**[www.focusastro.org/sol](http://www.focusastro.org/sol)**

# Event Maps



## Telescope Field:

Telescope field is on the basketball courts on the south side of the campus.

North side of the courts is for telescopes. Southside of the courts is astronomer/vendor parking. Additional parking for astronomers is vendors can be found on the fire road.

The SOL daytime event and star party will take place here.

## Astronomer Entrance:

Astronomers will enter the rear gate off Grovers Ave. You will then be guided into the telescope field. The telescope field gate will be closed at 7:45am, cars will not be able to leave until after 2:00pm.





**Gift Shop:**

The Gift Shop is where attendees can purchase tickets or pick up pre-ordered tickets.

Once you have your tickets you can walk to the museum, attend any daytime activities as well as the SOL event.

**Public Entrance:**

The main entry point can be found on the North end of the main parking lot.

Enter the gate and follow the breeze way to the Gift Shop to purchase tickets or pick up pre-ordered tickets. This pathway will be designated with signs.



**Public Parking:**

On site public parking is available on the south end of the campus. There are two lots available, and parking is free.

If lots are pull parking along the street is also an option.