

Solar Eclipse Safari: Instructions for recording your observations Any questions? Email SolarEclipseSafari@ncsu.edu or visit SolarEclipseSafari.org

Thank you for observing animal behavior with Solar Eclipse Safari! With your help, we hope to answer many questions about how different species of animals react to this amazing phenomenon. Even if an animal behaves normally during the eclipse, please let us know that! We want to understand which animals react to eclipses and under which conditions. So, knowing which animals *don't* react is also important. For more details and video instructions explaining how to use this form and about animal behaviors visit SolarEclipseSafari.org.

PREPARE for the eclipse:




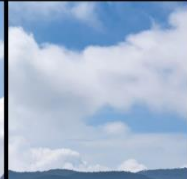
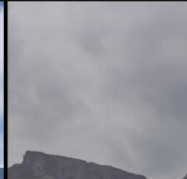
1. SAFETY: Get **protective glasses** that are specifically safe for looking at the solar eclipse!
2. FILL: Fill out the top of the next page. It's fine if you don't yet know which animal you are observing. You can fill that in later.
3. TIMING: Find the time that the eclipse will be at its **maximum for your location** [using this link \(also found on SolarEclipseSafari.org\)](http://SolarEclipseSafari.org).
4. INTERVALS: **Prefill the times on your datasheet**. First fill in that "Maximum" time and then enter times starting one hour before that maximum time (-60) and continuing 1 hour after that maximum time (+60). Note that some are 5 minutes apart, some are 2 minutes apart and some are 1 minute apart. If you do all of them, that's a total of 35 observations, but, as we explain below, it's OK to do fewer.
5. UNDERSTAND: Look over the **behaviors** (those diagonal headings for the columns), **cloud cover levels** (shown at the bottom of the page) and **timing intervals**. If you are confused about any of these, you can find explanations, including videos, on SolarEclipseSafari.org.
6. ALARMS (Optional): **Set alarms** on vibrate if you want reminders for each time interval.
7. PRINT AND FIND AN ANIMAL: You're done preparing. **Print** the form and plan to **arrive** early at your eclipse viewing location, preferably at least an hour before the maximum.

DURING the eclipse:

8. **Observe your animal**, and, at each time interval, **record an observation** by placing an **X** in the box for the behavior(s) you see. Also note the cloud cover level and add anything of interest, including if your animal is out of view during an interval. If you start late or miss some intervals, don't worry. Skip ones you miss and fill in the sheet at the closest appropriate time. Your data submission will be valuable.
9. **Remember to wear protective glasses when you look at the Sun.**

AFTER the eclipse:

10. Follow the instructions on the last page of this form.

	1	2	3	4	5
	Clear Sky	Few Clouds	Scattered Clouds	Mostly Cloudy	Overcast
Cloud Cover Levels: (Write these numbers in the data table)					

Email Address (adults only): _____ City, State, Zip Code: _____

Local Time of Eclipse Maximum: _____

Submit Data Sheet here:

SolarEclipseSafari.org



Type of Animal (please be as specific as possible): _____

TIME	Moving slowly	Moving fast	Laying down	Eating	Pacing/Repetitive	Standing still	Positive social	Aggressive social	Making noise	Fill in other behaviors here. Explain in the notes or on the last page.	Cloud Cover	Notes: make note of things like whether your animal was swimming, flying, or climbing and add any additional details that you think are interesting.
	Example		X				X					
Every 5 min	-60											
	-55											
	-50											
	-45											
	-40											
	-35											
	-30											
	-25											
	-20											
	-15											
Every 2min	-10											
	-8											
	-6											
Every min	-4											
	-3											
	-2											
	-1											
*	0	Maximum										
Every min	+1											
	+2											
	+3											
	+4											

Additional notes:

Email Address (adults only): _____ City, State, Zip Code: _____

Local Time of Eclipse Maximum: _____

Submit Data Sheet here:

[SolarEclipseSafari.org](https://solarsclipse.org)



Type of Animal (please be as specific as possible): _____

		TIME	Moving slowly	Moving fast	Laying down	Eating	Pacing/Repetitive	Standing still	Positive social	Aggressive social	Making noise	Fill in other behaviors here. Explain in the notes or on the last page.	Cloud Cover	Notes: make note of things like whether your animal was swimming, flying, or climbing and add any additional details that you think are interesting.
Every 2m	+6													
	+8													
	+10													
Every 5min until return to normal	+15													
	+20													
	+25													
	+30													
	+35													
	+40													
	+45													
	+50													
	+55													
	+60													

After the eclipse:

We hope that was interesting. Thank you so much for collecting data.

Now that the eclipse is over, please follow these steps to send in your observations:

1. If you still have the form that you printed before the eclipse, please use that to **copy over your observation data onto the PDF**.

Click on each cell to mark behaviors, and type everything that you didn't fill out before the eclipse including your notes that you wrote down.

2. **Save** your form and use the **QR code** at the top of this page **or this link**: https://ncsu.qualtrics.com/jfe/form/SV_73de8P6ZEUSIJWm

You can also find the link to submit on [SolarEclipseSafari.org](https://solarsclipse.org).

3. Follow the instructions there, and it will tell you how to **upload your observations**.

4. **Share your experiences**: after you upload or enter your data, please answer a few questions about how you felt during the eclipse.

Thanks SOOOO much for contributing to this research. You can check back at [SolarEclipseSafari.org](https://solarsclipse.org) soon to learn what everyone found out.