Air Temperature Data Sheet

National Aeronautics and Space Administration

Use this data sheet to record air temperature measurements during the total solar eclipse on April 8, 2024. All you need is a thermometer that measures air temperature. You do not need to be within the path of totality to collect data.

Eclipse Planner

You can look up the percent coverage, eclipse type, and times by scanning the QR code or going to **eclipsesoundscapes.org/eclipse-lookup-tool**.

Coverage:

Eclipse Type: ○ Total ○ Partial

Start: **Max:** **End:**

Site Description

You can find the coordinates of your site in decimal degrees by dropping a pin in a mapping application. Write a short description of your site, paying particular attention to features that might affect the temperature.

Latitude:

Longitude:

Time Zone:

Description:

Thermometer Set-Up

Place your thermometer in a shaded, but well-ventilated area. For example, you can place your thermometer under a chair or hold it in your own shadow. Be sure to hold the thermometer away from yourself or other sources of heat.

Thermometer Type:

- ○ Liquid Filled
- ○ Digital
- ○ Weather Station
- ○ Other:

Units:

- ○ Fahrenheit
- ○ Celsius

Safety First: Looking directly at the Sun without proper eye protection is unsafe EXCEPT when the Moon completely blocks the Sun. This happens ONLY within the narrow path of totality. Outside the path of totality, it is NEVER safe to look directly at the Sun without a solar filter.

To share your observations, scan or take legible photos of both pages and email them to **globeobserverhelp@lists.nasa.gov**.

www.nasa.gov

Air Temperature Measurements

Your data is most useful to scientists if you record observations through all phases of the eclipse (about two hours before and after maximum eclipse); however, this is not a requirement. We recommend observing every 10 minutes for the first and last 1.5 hours and increasing the frequency to every 5 minutes in the 30 minutes before and after maximum eclipse. Take a break during maximum eclipse to enjoy this incredible experience!

Time	Temp.	Time	Temp.	Time	Temp.	Time	Temp.

Graph Your Data

Use this space to create a line graph of your data after the eclipse.

Indicate when maximum eclipse occurred.

What do you notice about the temperature before and after maximum eclipse?