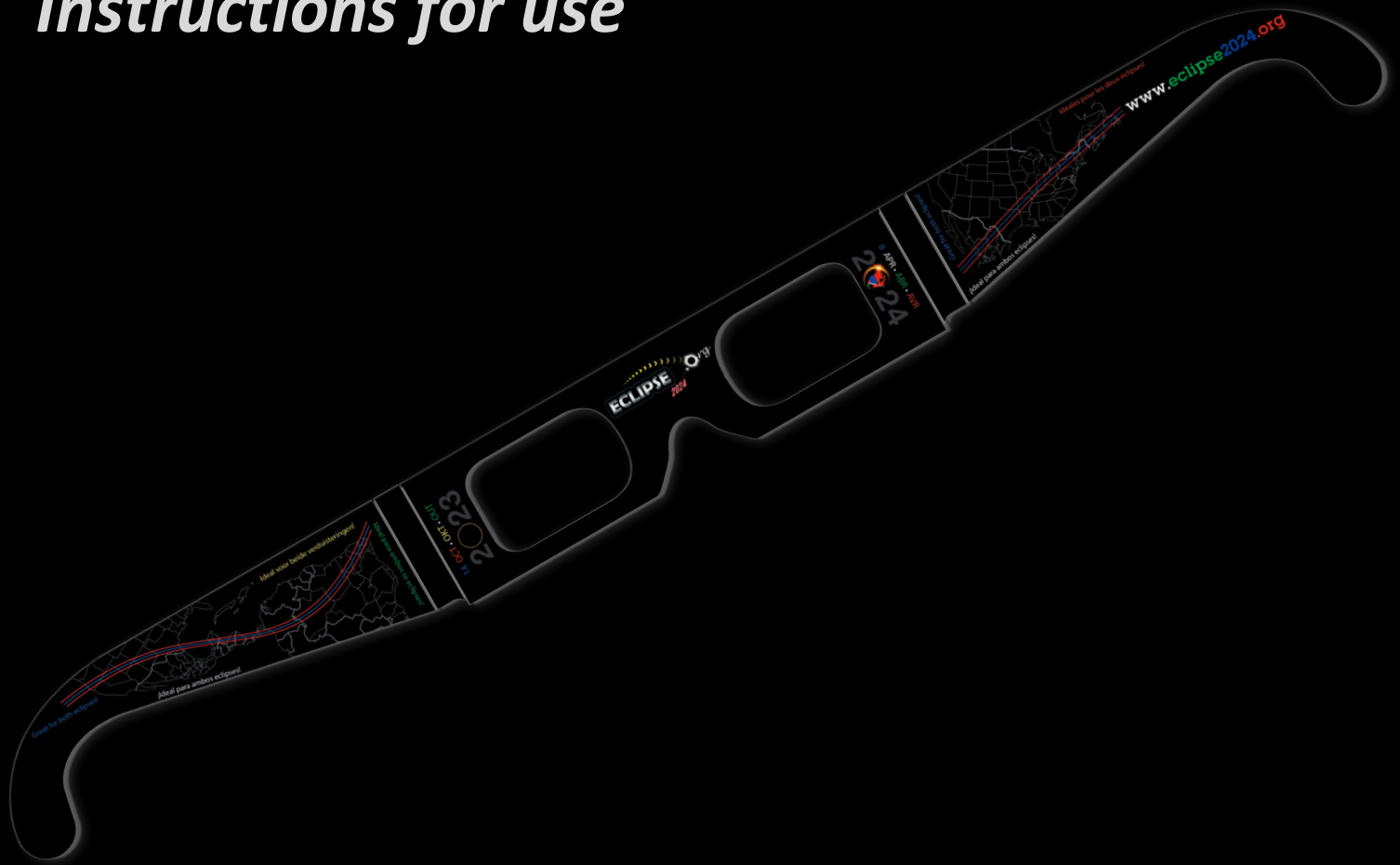


Eclipse Glasses

Instructions for use



Solar Eclipses



TERMS AND CONDITIONS FOR USE OF THE ECLIPSE GLASSES

Please read these Instructions for Use carefully before using the Eclipse Glasses. Your purchase and use of the Eclipse Glasses constitutes your agreement to these Terms and Conditions. Failure to follow these Instructions for Use may result in serious personal injury, including permanent eye damage. If you do not understand these Instructions or cannot follow them diligently and completely, then you should not look at the Sun at any time, with or without the Eclipse Glasses.

The term “Eclipse Glasses” refers to the special cardboard-and-polymer optical products, marked “ISO 12312-2” and “SAFE FOR DIRECT SOLAR VIEWING”, manufactured by Rainbow Symphony of Reseda CA or American Paper Optics of Bartlett TN, and sold by Eclipse2024.org for the purpose of viewing the Sun during a solar eclipse, by or under the direct supervision of a person 18 years of age or above and in accordance with these Instructions for Use.

Observing the Sun directly, without the benefit of eye protection provided by the Eclipse Glasses, will likely result in serious personal injury, up to and including permanent eye damage and blindness. When these Instructions for Use are followed completely and precisely, the undamaged and unmodified Eclipse Glasses have been proven to be safe and effective in allowing direct, short-term viewing of the Sun. If these Instructions for Use are not followed, or if damaged or modified Eclipse Glasses are used, permanent eye injury could result.

You should never look directly at the Sun, with or without the aid of the Eclipse Glasses, if you have any temporary or permanent medical or other condition which either (1) prevents your use of the Eclipse Glasses according to these Instructions for Use, or (2) predisposes you to an increased or special risk of incurring, worsening, or contributing to the effects of any optical condition, or other medical, health, or other condition.

You should not attempt to perform any other activity (such as driving, walking, or operating machinery) while using the Eclipse Glasses.

You agree that if you allow others to use the Eclipse Glasses, you will provide each such user with a copy of these Instructions for Use and will make sure such user reads and understands the Instructions for Use before using the Eclipse Glasses.

By using the Eclipse Glasses to view the Sun, you agree with the following:

- (a) You understand these Instructions for Use completely;
- (b) You understand and accept the risks associated with improper use of the Eclipse Glasses;
- (c) You accept full responsibility for, and assume all risks associated with, the act of viewing the Sun, with or without the use of the Eclipse Glasses; and
- (d) The Eclipse Glasses are fragile, and any damage or modification will render them immediately and permanently unusable for their intended purpose.

Release and Limitation of Liability

By purchasing and using the Eclipse Glasses, you are irrevocably releasing, indemnifying, and holding harmless the manufacturer and seller from any liability, loss, claim and expense (including attorney’s fees), including but not limited to bodily injury or other personal harm, which may result from using the Eclipse Glasses under any circumstances or conditions and irrespective of jurisdiction. Neither the manufacturer nor the seller will be responsible for any damages of any kind, irrespective of reasons, conditions or circumstances, including malfunctioning of the Eclipse Glasses. All risks associated with using the Eclipse Glasses rest solely and entirely with the user, irrespective of whether the Eclipse Glasses are used by the original purchaser or any third party. You fully understand and assume the risks in using the Eclipse Glasses. You confirm that you have read this release of liability and fully understand its terms and that you have given up substantial rights by purchasing and using the Eclipse Glasses.

THE MANUFACTURER AND SELLER OF THE ECLIPSE GLASSES MAKE NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, WITH RESPECT TO THE ECLIPSE GLASSES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. NEITHER THE MANUFACTURER NOR THE SELLER SHALL BE LIABLE FOR ANY DAMAGES, INCLUDING BUT NOT LIMITED TO DIRECT, INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES, WHETHER IN AN ACTION IN CONTRACT OR TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY), SUCH AS, BUT NOT LIMITED TO, LOSS OF ANTICIPATED PROFITS OR BENEFITS RESULTING FROM, OR ARISING OUT OF, OR IN CONNECTION WITH THE USE OR FURNISHING OF THE ECLIPSE GLASSES OR THE PERFORMANCE, USE OR INABILITY TO USE THE SAME, EVEN IF THE MANUFACTURER OR SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT WILL THE MANUFACTURER’S OR SELLER’S TOTAL LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT.

Note Regarding Translations

Translations of these Instructions for Use into various languages are provided “AS-IS” and solely for the convenience of the reader. Eclipse2024.org has made reasonable efforts to ensure the accuracy of the Translations; however, in the event of any perceived discrepancy in meaning or interpretation between the English version and any Translation, the English version will prevail. You should not act in reliance on anything contained in any Translation of these Instructions for Use, but should refer to the official English version.

Eclipse Glasses Instructions



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ANNULAR TOTAL PARTIAL HYBRID

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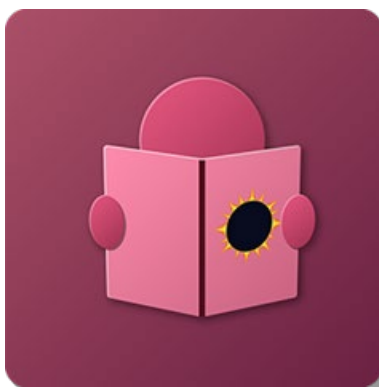


WAY too many choices!

**We just want to know how to
look at the eclipse safely!**

**So...WHEN should I use
my Eclipse Glasses?**

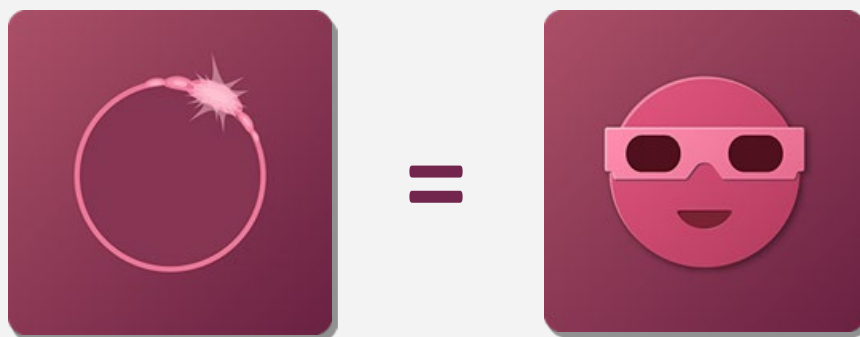




There is a lot of great information on the internet, in the news media, in reference materials, and on eclipse2024.org that can teach you all about the different types of eclipses, if you want to learn about them.

But if all you want to do is to know how to watch *any* eclipse safely, using the Eclipse Glasses you bought from eclipse2024.org, then here's the only rule you really need to know:

WHEN ANY PART OF THE SUN'S BRIGHT DISK IS VISIBLE, YOU *MUST* USE THE ECLIPSE GLASSES TO LOOK AT THE SUN!



It's really that easy, but let us give you just the basics of an "eclipse education" so you can be sure to know when that "BRIGHT DISK" is visible!

First of all, it's almost ALWAYS the case that some "bright part" of the Sun's disk is visible, so it's safe to say that you ALMOST ALWAYS need to use Eclipse Glasses to look at the Sun!

But let's turn the rule around: When is it okay to NOT use Eclipse Glasses?

- **IF** IT'S A **TOTAL** ECLIPSE, **AND**
- **IF** YOU ARE IN THE PATH OF TOTALITY, **AND**
- **IF** THE SUN IS ACTUALLY (**RIGHT NOW**) BEING COMPLETELY COVERED BY THE MOON,

THEN AND ONLY THEN, YOU CAN LOOK AT THE SUN SAFELY WITHOUT EYE PROTECTION.

That's a lot of "IF"s, and they **ALL** have to be true for you to not use the Eclipse Glasses.

If they aren't **ALL** true, then you **HAVE** to use the Eclipse Glasses!

You will know it's a "TOTAL" eclipse because you will hear about it on the news or social media. To help you out, here is a list of dates of the next few total eclipses:

2020 14 December	2021 4 December	2023* 20 April	2024 8 April	2026 12 August	2027 2 August	2028 22 July
2030 25 November	2033 3 March	2034 2 March	2035 2 September	2037 13 July	2038 2 December	2039 15 December
2041 30 April	2042 20 April	2043 9 April	2044 23 August	2045 12 August		

This covers you through the year 2045. If there's an eclipse today, and today isn't one of the dates listed above, then it's NOT a total eclipse!

**The eclipse of 20 April 2023 is only visible in Australia and Southeast Asia. The media will call it a "Hybrid" eclipse because that's what astronomers call it. It's a technical thing that doesn't matter to regular people. To the rest of us, it's a TOTAL eclipse!*



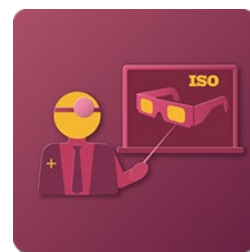
How do you know if you're in the path?

You'll have to use online resources to tell. There are a lot of them out there!

Still too complicated? Here's an even easier way to know that you are safely using the glasses during the eclipse:

Do you have ISO-certified Eclipse Glasses?

If not, get some!

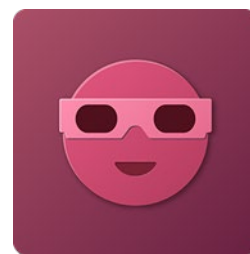


Are you in the path of totality?

If not, use the Eclipse Glasses **at ALL times**.

If you **ARE** in the path of totality, put the Eclipse Glasses over your eyes, following all the instructions we give you on the last page of this guide, and look through them at the Sun.

THEN...





















If you can see **ANY** bit or piece of the Sun through the Eclipse Glasses, then leave them on!



If you can't see **ANYTHING** because the eclipse is total, then take the glasses off.

Still too complicated? Here are some pictures to help even more.
Find the section that applies to you:















☆☆ If the eclipse is **TOTAL** (or HYBRID) and I'm in the path ☆☆

Before the eclipse starts			You MUST use the Eclipse Glasses
Partial phase begins			You MUST use the Eclipse Glasses
Any partial phase			You MUST use the Eclipse Glasses
Total phase begins			AFTER the diamond goes away, you may observe with the naked eye
Total phase			You may observe with the naked eye!
Total phase ends			You MUST again use the Eclipse Glasses
Any partial phase			You MUST use the Eclipse Glasses
Partial phase ends			You MUST use the Eclipse Glasses
After the eclipse ends			You MUST use the Eclipse Glasses

You may directly observe the Sun with the naked eye (without using the Eclipse Glasses) **ONLY**:

- 1) If the eclipse is total in your location (you are "in the path"), **AND**
- 2) During the time of totality, **AND**
- 3) **Whenever the Sun's bright disk is COMPLETELY covered by the Moon.**











☆☆ If the eclipse is **ANNULAR** and I'm in the path ☆☆

Before the eclipse starts			You MUST use the Eclipse Glasses
Partial phase begins			You MUST use the Eclipse Glasses
Annular phase begins			You MUST use the Eclipse Glasses
Mid-point of the eclipse			You MUST use the Eclipse Glasses
Annular phase ends			You MUST use the Eclipse Glasses
Partial phase ends			You MUST use the Eclipse Glasses
After the eclipse ends			You MUST use the Eclipse Glasses

- You may **NEVER** directly observe the Sun with the naked eye.
- You must **ALWAYS** view the Sun using the Eclipse Glasses.













☆☆ If the eclipse is **ANNULAR** or **TOTAL** but I'm NOT in the path ☆☆

Before the eclipse starts			You MUST use the Eclipse Glasses
Partial phase begins			You MUST use the Eclipse Glasses
Mid-point of the eclipse			You MUST use the Eclipse Glasses
Partial phase ends			You MUST use the Eclipse Glasses
After the eclipse ends			You MUST use the Eclipse Glasses

- You may **NEVER** directly observe the Sun with the naked eye.
- You must **ALWAYS** view the Sun using the Eclipse Glasses.



☆☆ If the eclipse is ***PARTIAL*** ☆☆

Before the eclipse starts			You MUST use the Eclipse Glasses
Partial phase begins			You MUST use the Eclipse Glasses
Mid-point of the eclipse			You MUST use the Eclipse Glasses
Partial phase ends			You MUST use the Eclipse Glasses
After the eclipse ends			You MUST use the Eclipse Glasses

- You may **NEVER** directly observe the Sun with the naked eye.
- You must **ALWAYS** view the Sun using the Eclipse Glasses.



That's all the situations.

You can see that you almost **ALWAYS** need to use eye protection to watch the eclipse.

Here are the detailed instructions on how to use the Eclipse Glasses:

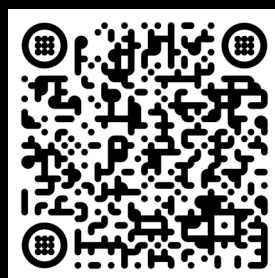
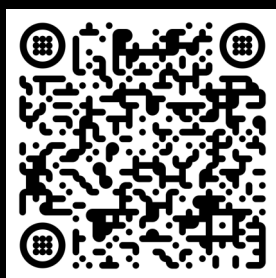
GENERAL INSTRUCTIONS FOR USE OF THE ECLIPSE GLASSES

- 1) [if applicable] Unpackage the Eclipse Glasses carefully.
- 2) Keep the Eclipse Glasses protected when not in use.
- 3) Inspect the Eclipse Glasses before each use; if the lens film is damaged or creased in any way, DO NOT use them. Cut them up and destroy them, and [acquire a replacement](#) in good condition.
- 4) Do not remove the lens film material from the Eclipse Glasses, and do not use removed lens film material to view the Sun in any way.
- 5) The correctly-mounted, undamaged lenses of the Eclipse Glasses will safely block dangerous levels of visible light, as well as harmful UV and other solar rays. It is therefore perfectly safe to use the Eclipse Glasses, according to the direction provided by these Instructions, to view the Sun at any time. There are no special “eclipse rays” which make viewing the Sun either more or less dangerous during an eclipse.
- 6) **You must use the Eclipse Glasses, in the manner described herein, to view the Sun safely (1) at all times during a partial or annular eclipse, or (2) whenever ANY part of the Sun’s bright disk is visible. This is true regardless of any eclipse contact times that you have recorded from any source.**
- 7) Do not use the Eclipse Glasses in combination with any telescope, binocular, camera, lens, mirror, or any other optical instrument, device or object which may transmit or reflect light (“Optical Device”).
- 8) Never point any such Optical Device toward or at the Sun, and never directly view the Sun’s image using any Optical Device that is pointed at the Sun, or is in any way gathering, focusing, or redirecting the Sun’s light.
- 9) Do not use the glasses after three years from the date you receive them. Do not use the glasses continuously for longer than three minutes at a time. Allow your eyes to rest between three-minute viewing sessions.
- 10) Do not allow the Eclipse Glasses to be used by animals, or by anyone who is (1) temporarily or permanently impaired, (2) unable to read, understand and comply with the requirements for the safe use of the Eclipse Glasses, or (3) to legally accept responsibility for the consequences of their actions.
- 11) To use the Eclipse Glasses:

Hold the Eclipse Glasses completely between your eyes and the Sun, and look through the undamaged lens material of the Eclipse Glasses toward the Sun, keeping the lens material of the Eclipse Glasses at all times completely between your eyes and the Sun. In the case of Eclipse Glasses shaped as cardboard eyeglasses, you may fold the cardboard in such a way as to wear the Eclipse Glasses as you would conventional eyeglasses. Never look directly at the Sun when it is not being totally eclipsed, unless you are looking directly through the undamaged lens material of the Eclipse Glasses.

- 12) If you normally wear eyeglasses for distance vision, keep them on and maintain them as close to your eyes as possible. Then, hold your Eclipse Glasses directly in front of the eyeglasses, BETWEEN your eyeglasses and the Sun, in direct contact with the eyeglasses. The lenses of the Eclipse Glasses must always remain BETWEEN your eyes and the Sun.
- 13) Do not use any material or object, other than the undamaged lenses of the Eclipse Glasses installed within their holders as originally manufactured, as eye protection while attempting to view the Sun.
- 14) If you have any questions regarding these instructions, please contact [Eclipse2024.org](https://tinyurl.com/glasses-questions) at <https://tinyurl.com/glasses-questions>.





PDF

English

GRAN ECLIPSE NORTEAMERICANO
GRANDE ÉCLIPSE NORD - AMÉRICAINE
GREAT NORTH AMERICAN ECLIPSE

