

When was the last total solar eclipse in ghana

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It's fair to say there's been quite a lot of excitement ahead of tonight's (April 8) solar eclipse, which will see the sun pretty much totally blocked out across parts of Mexico, the US and Canada and partially blocked out in the UK. The effect in the UK is gonna be much less dramatic than in North America, but those in the path of totality are set to witness the full-on 'halo effect', where the moon perfectly aligns between the Earth and the sun.

So, what's the deal with this celestial spectacle? Here's some info about how and why eclipses take place, when we last witnessed a full solar eclipse in the UK, and why they're so special

RECOMMENDED: What time is the partial solar eclipse in the UK tonight? Path and peak times Solar eclipse 2024: when and how to see the April 8 eclipse in the UK How to watch the solar eclipse online in the UK When is the next solar eclipse in the UK and how often are they?

The last full or 'total' solar eclipse that was witnessed in the UK was way back on August 11, 1999, but it was technically only Devon and Cornwall that were in the path of totality. The eclipse was also visible across Europe and Asia.

The UK experiences between two and five solar eclipses of various totalities each year. According to Royal Museums Greenwich, the next major ones are April 8 (that's tonight), March 29, 2025 and August 12, 2026.

While total solar eclipses technically aren't that rare (as they occur roughly every 18 months somewhere on the planet) catching one in the same place only happens approximately every 400 years. However, Carbondale in Illinois is about to witness its second total solar eclipse in just seven years.

We can't lie, it's gonna be a while. The next total solar eclipse won't be taking place until September 23, 2090, 91 years after the previous one. You can read more about that [here](#).

You can have a look at all the info on the path and peak times for the partial eclipse in the UK [here](#), and it's predicted that Cardiff, Edinburgh, Glasgow, Leeds, Liverpool and Manchester will have the best view. However, you can also check out our guide on the best way to watch the proper thing online – such as on NASA's live stream – [right here](#).

While all of North America and Central America will experience at least a partial solar eclipse, those within a path with a width of approximately 115 miles (185 kilometers) passing over 15 U.S. States. Mexico, and Canada will also witness a totality as the moon entirely covers the disk of the sun.

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Finally, a partial solar eclipse is an event that happens when the Earth, moon, and sun are not perfectly aligned, resulting in the lunar disk only covering part of our star, making the sun appear as if a bite has been taken out of it. Partial eclipses also happen at the beginning and ending stages of total and annular eclipses.

On April 8, 2024, the moon will be in its new moon phase, and it will look relatively large, meaning it is capable of covering 100% of the sun's disk as viewed from the narrow path of totality. The fraction of the diameter of the sun covered by the moon is known as the magnitude of a solar eclipse. On April 8, 2024, this value will be 1.0566, according to EclipseWise, slightly more than total coverage.

NASA has released an interactive map of the total eclipse, which space enthusiasts can use to track the totality as it drifts across the globe. However, location won't be the only factor affecting the appearance of the total solar eclipse on Monday. The eclipse will pass through 5 distinct stages, with each of these phases occurring at different times across different locations.

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