

The Solar Eclipse



By:

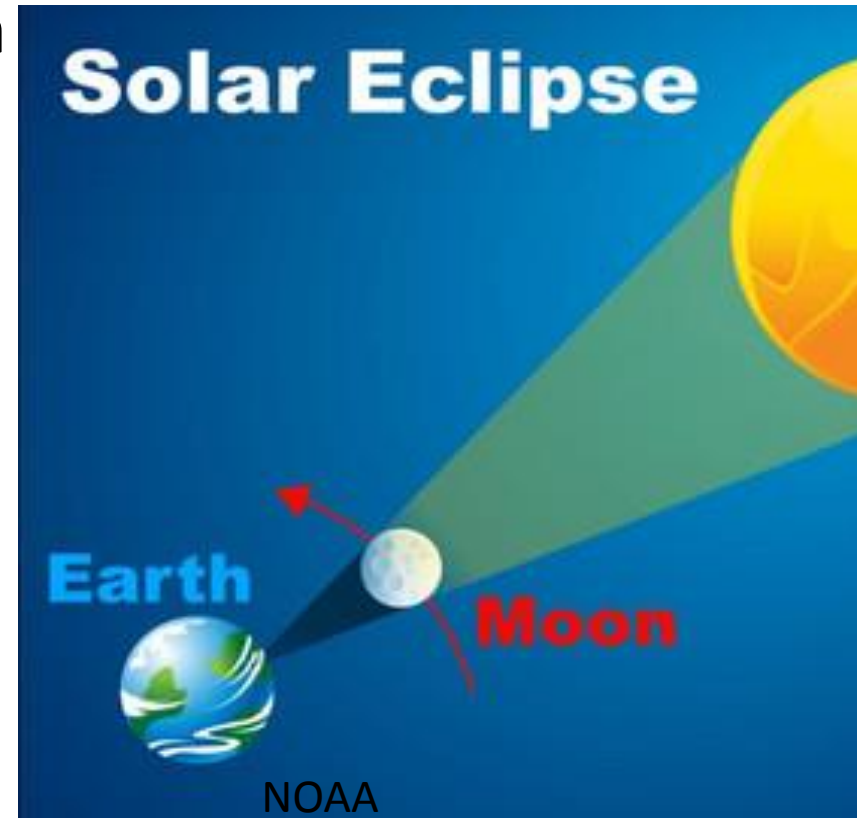
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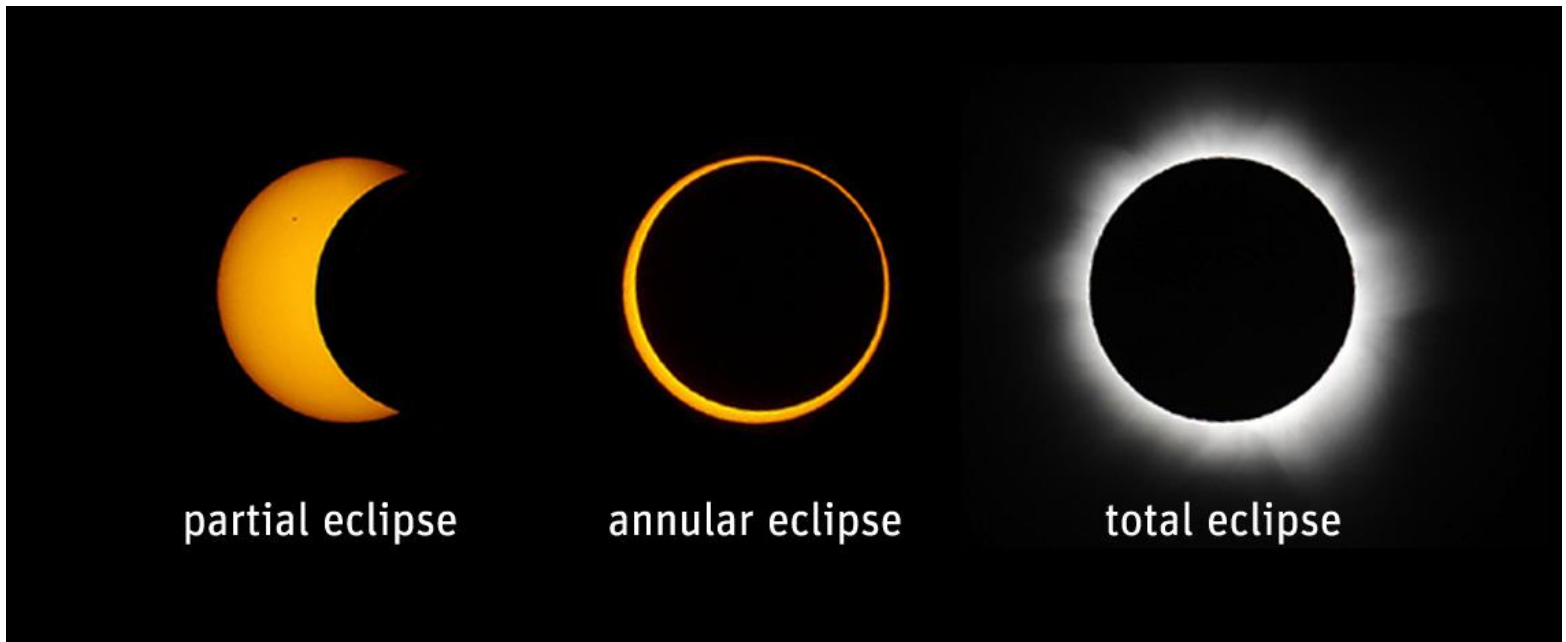
What is a solar eclipse?

- An eclipse which occurs when the Moon passes between the Sun and Earth, and the Moon fully or partially blocks ("occults") the Sun.
- This can happen only at new moon, when the Sun and the Moon are in conjunction as seen from Earth.



Types of solar eclipses

- In a total eclipse, the disk of the Sun is fully obscured by the Moon.
- In partial and annular eclipses, only part of the Sun is obscured.



Africa Eclipse

- The eclipse track enters the African continent just south of the equator, passing across the low-lying Congo River Basin as it traverses Gabon, The Congo, and the Democratic Republic of the Congo (DRC).
- The climate in this part of the continent is marked by two rainy seasons, separated by intervening dry spells.
- The rainy seasons are tied to the overhead passage of the Sun, and so locations at low latitudes tend to receive their maximum rainfall in the months following the equinoxes.
- In Gabon, the “big wet” peaks in October; in Brazzaville (The Congo), it is in November, Uganda it is in November. Dry weather comes in June, July, and August.
- Since this eclipse comes on the first day of September, the wet season is underway, but has hardly begun.
- As the track moves southward into Tanzania, there is an almost magical change in weather prospects.
- By this time, the track is far enough to the south that the double wet season has all but disappeared.
- Across Tanzania, Mozambique, and Madagascar, the dry season expands across the months

Annular Solar Eclipse – 2016

September 1



Satellite Images for Thursday 01st

September 2016

Satellite imagery: 01/09/2016_0900Z

