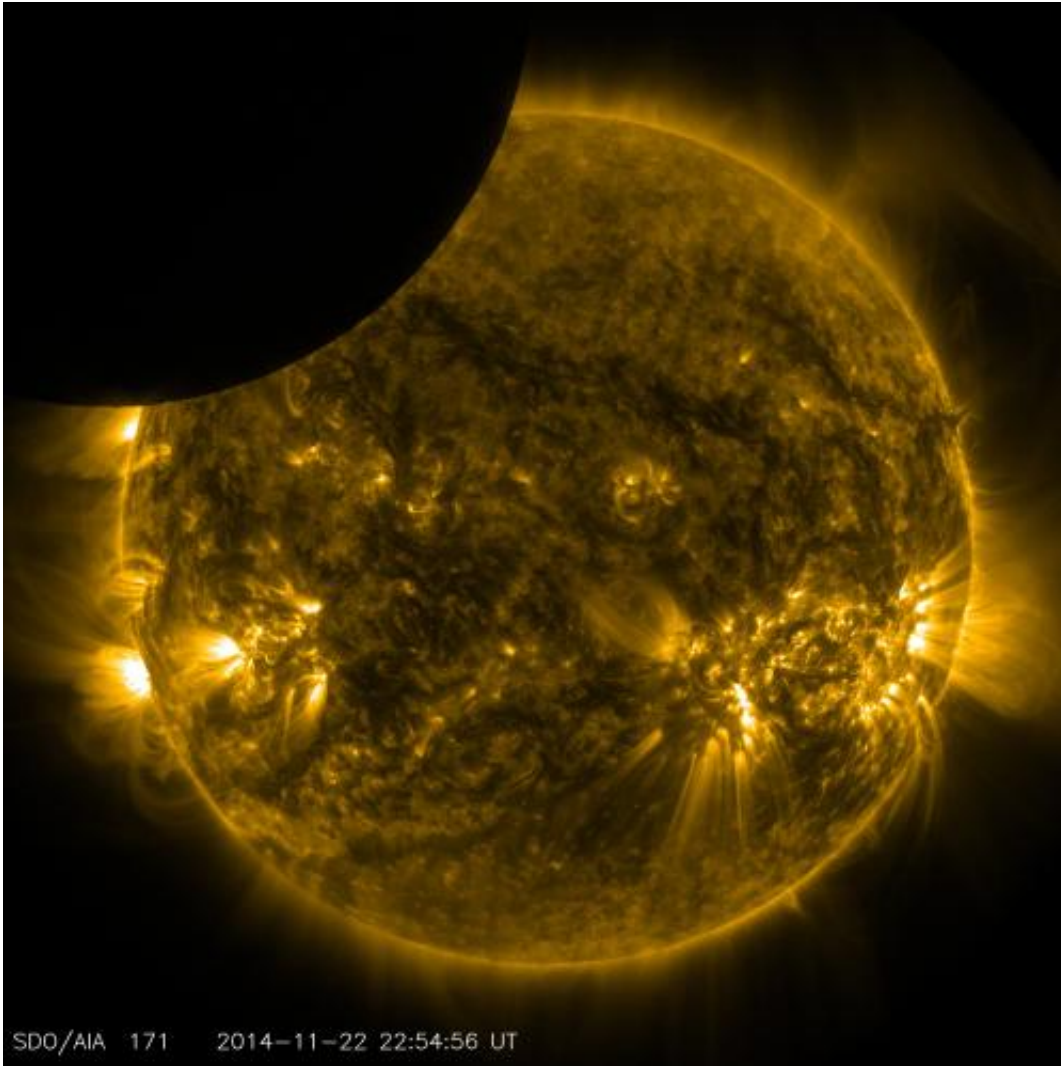


# NASA's SDO shows moon transiting the Sun

November 26 2014

---



The moon partially obscured the view of the sun from NASA's Solar Dynamics Observatory, or SDO, on Nov. 22, 2014. This lunar transit was visible only from SDO's point of view. Credit: NASA/SDO

On Nov. 22, 2014 from 5:29 to 6:04 p.m. EST., the moon partially obscured the view of the sun from NASA's Solar Dynamics Observatory. This phenomenon, which is called a lunar transit, could only be seen from SDO's point of view.

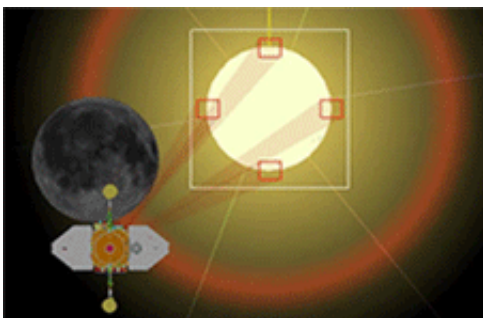
This animated gif shows how the moon passes in between NASA's Solar Dynamics Observatory and the sun, partially obscuring the view.

In 2014, SDO captured four such transits—including its longest ever recorded, which occurred on Jan. 30, and lasted two and a half hours.

SDO imagery during a lunar transit always shows a crisp horizon on the moon—a reflection of the fact that the moon has no atmosphere around it to distort the light from the [sun](#). The horizon is so clear in these images that mountains and valleys in the terrain can be seen.

More lunar transits for SDO in 2014:

- Jan 30: [www.nasa.gov/content/goddard/n...-sees-lunar-transit/](http://www.nasa.gov/content/goddard/n...-sees-lunar-transit/)
- July 28: [www.nasa.gov/content/goddard/s...ves-a-lunar-transit/](http://www.nasa.gov/content/goddard/s...ves-a-lunar-transit/)
- Sept 25: [sdo-sees-an-autumnal-lunar-transit/](http://sdo-sees-an-autumnal-lunar-transit/)  
[www.nasa.gov/content/goddard/6...umnal-lunar-transit/](http://www.nasa.gov/content/goddard/6...umnal-lunar-transit/)



This animated gif shows how the moon passes in between NASA's Solar

Dynamics Observatory and the sun, partially obscuring the view.  
Credit: NASA/SDO

Provided by NASA

Citation: NASA's SDO shows moon transiting the Sun (2014, November 26) retrieved 23 April 2024 from <https://phys.org/news/2014-11-nasa-sdo-moon-transiting-sun.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.