

PLANETARY NEWS



555 TRENDING WEATHER ASTROGEOLOGY ASTROBIOLOGY

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Solar Radiation Storm Four Times Earth's Size Recorded by Amateur Astronomer in Celestria

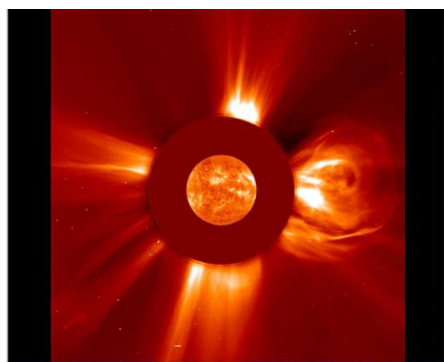
By Lucy Franks 5 Jan 2021 14:35 CET¹⁶

560 An amateur astronomer and Celestrian educational YouTuber named Rick Carrington captured a solar storm emerging away from the Sun where “four entire Earths” could fit in.

565 Solar radiation storms happen when a massive magnetic explosion, typically triggering a coronal mass ejection and a related solar flare, speeds up charged particles in the sun's atmosphere to extremely high speeds. The key particles in these events are protons, which can reach speeds close to that of light. These high-energy protons, when they hit satellites or humans in space, can deeply penetrate the impacted objects, potentially harming electronic components or biological DNA. AS100 collision was said to be caused by the solar storm observed this week.

570 In the past few months, there's been a rise in solar activity on the sun, the sole star of our solar system, as part of the ongoing Solar Cycle. While solar storms are a regular occurrence, their observation and recording hold great scientific value.

Solar Storm Video



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Carrington detected the unusual space storm on a video posted on Instagram on 1 January 2021. In the caption, the amateur astronomer stated he was not expecting to capture the event, which happened after he pointed out his telescope on 30 December 2020. In the video, it can be noticed the Sun emitted a curve-shaped plasma out of its surface.

The video has gained thousands of views and even caught the attention of Celestrian Space Agency.

Rick Carrington is reportedly well recognized for uploading videos in matters relating to astronomy, astrophotography, telescopes and cameras.

¹⁶ Note: CET refers to “Celestrian Eastern Time.”