

Title: Solar system eruption

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Though solar flares are the solar system's most powerful explosions, it's another kind of eruption--a coronal mass ejection (CME)--that more strongly powers these lights. These clouds of...

Discover what happens during a solar flare: sun eruptions, coronal mass ejection impacts, and space weather effects on Earth explained.

A series of three powerful flares and associated explosions of solar material out across the Solar System have set Earth squarely in the path of a 'severe'-level geomagnetic storm.

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The two spacecraft of Proba-3 fly in precise formation about 150 m apart to form an external coronagraph in space, one spacecraft eclipsing the Sun to allow the second to study the ...

The sun is putting on a show. On Sunday the star unleashed several strong and bright solar flares, including one of the most powerful eruptions seen in decades. Far from the steadily ...

The sunspot region 4366 fired off dozens of powerful solar flares in 24 hours, including the single strongest flare since 2024. Auroras are possible later this week.

In our solar system, this phenomenon is a large cloud of ionized gas, called plasma, and magnetic fields that erupts from the sun's outer atmosphere. When such outbursts are large enough ...

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