

What effects could the 'extreme' solar storm trigger?

On Friday evening, NOAA upgraded the storm to G5 or "extreme", marking the first such event since October 2003. NOAA's warning of extreme space weather suggests the storm could trigger numerous effects for life on earth, possibly affecting the power grid as well as satellite and high frequency radio communications.

How did the solar storm affect the world?

On Saturday, the powerful solar storm put on an amazing skyward light show across the globe overnight but caused only minor disruptions to the electric power grid, communications and satellite positioning systems. The Federal Emergency Management Agency said that no FEMA region reported any significant impact from the storms.

Could a severe solar storm hit 'extreme' levels?

Read our full story and see northern lights photos from Space.com readers. A severe solar storm sparked by an intense flare from the sun could reach "extreme" levels as it bombards Earth, officials with the U.S. National Oceanic and Atmospheric Administration (NOAA) warned on Thursday (Oct. 10).

Will 'extreme' storm affect Earth's power grid?

On Friday evening, NOAA upgraded the solar storm to G5 or "extreme," marking the first such event since October 2003. The extreme space weather warning suggests the storm could affect the power grid, as well as satellite and high frequency radio communications.

Could a solar storm cause an internet outage?

A rare solar storm could impact Earth's power supplies and potentially cause an internet outage. The US's National Oceanic and Atmospheric Administration issued a severe geomagnetic storm watch - the first such warning since January 2005. At that time, the highest dose of radiation in 50 years hit the earth.

Could a space weather storm affect cellular network outages?

Although not officially named as a cause, two major solar flares in February coincided with extended cellular network outages in some areas of the U.S. "We've not seen any evidence in the past that a space weather storm could impact that now," Space Weather Services chief Brent Gordon told reporters on a Friday conference call.

Scientists with NOAA's Space Weather Prediction Group (SWPC) said that a cloud of charged solar material, called a coronal mass ejection, slammed into Earth around midday, triggering a "severe"...

The solar storm's disruptions to communications, navigation systems, and power infrastructure could cause new hurdles for regions already weakened by Hurricanes Helene and Milton, the agency...

Similar to the bulletins put out by the NWS local forecast offices, SWPC provides Alerts, Watches and

Warnings to the public at large about what to expect from Space ...

As with any power outage, you can prepare by keeping your devices charged and having access to backup batteries, generators and radio. The most notable solar storm ...

Massive solar storm to hit Friday evening could disrupt communications, power and GPS, NOAA warns What to expect and how to prepare, according to the latest from the Space Weather Prediction...

NOAA says tonight's "cannibal" solar storm could be worst in 165 YEARS and cause GPS and power outages - as they reveal exact time it'll hit. [READ MORE](#): World told to brace for "severe geomagnetic ...

Since February 25, 2025, the Space Weather Prediction Center has presented new coronagraph images and data from the GOES-19 Compact Coronagraph-1 (CCOR-1).

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Solar Radiation Storm Forecast for Apr 13-Apr 15 2025 Apr 13 Apr 14 Apr 15 S1 or greater 10% 10% 10%
Rationale There is a slight chance for S1 (Minor) or greater solar ...

A severe solar storm expected to hit Earth this weekend has prompted the US Space Weather Prediction Center to issue a rare Severe (G4) Geomagnetic Storm Watch, the second-highest ...

Solar wind: Solar wind speeds increased over the past day, averaging around 520 km/s (about 1,163,000 mph) with a peaks of 587 km/s (1,313,000 mph). At the time of this writing (11 UTC) the solar ...

NOAA says it isn't necessary for people to take any special precautions for the storm beyond the normal things you would want to have on hand in the case of a power outage.

The Just the FAQs video above from USA TODAY explains how a solar storm can cause problems to our power grid, affecting communications, navigation, satellite and radio. Will the G4 storm affect ...

Robyn Fiori, a scientist at the Canadian Hazard Information Service, pointed out that a strong geomagnetic storm caused a large power outage at Hydro-Quebec in 1989, but today's storm isn't ...

It said there hasn't been any fluctuations on the grid yet today due to the storm. Georgia Power said it is in touch with state and federal partners to receive reports on solar activity. It also ...

On Saturday, the powerful solar storm put on an amazing skyward light show across the globe overnight but caused only minor disruptions to the electric power grid, ...

A rare warning has been issued over a solar storm that could affect Earth's power supplies and knock out the internet. A severe geomagnetic storm watch was put out by the US's National...

A power outage in Sydney left thousands in Newtown without power for hours on Friday night but it was unclear if there was any link to the solar activity or other severe weather in the state.

There will be a peak of around two hours later today when the storm might disrupt things like GPS signal or power grids, before things subside to a lower level that will be sustained throughout most of the weekend.

That solar flare produced the largest and fastest rise in carbon-14 ever recorded. ... Knocking out power. Today, a geomagnetic storm of the same intensity as the Carrington Event would affect far ...

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