

# NOAA's Space Weather Prediction Center Education & Outreach Resources

## [NOAA's Space Weather Prediction Center: Storms from the Sun Booklet](#)

Detailed information on space weather storms, phenomena, prediction, and global impacts.

## [NOAA's Space Weather Prediction Center: Space Weather and Impacts on Earth Poster](#)

Visual presentation of space weather phenomena and related impacts.

## [NOAA Office of Education: Space Weather Resource Collection](#)

A resource collection of many different educational and informative materials focused on the causes and consequences of space weather.

## [NOAA Space Weather Scales](#)

Communicates space weather conditions and possible effects on people and systems. Describes solar disturbances, frequency of events, intensity levels and outlines possible ramifications on infrastructure.

## [NOAA Science on a Sphere: Space Weather Datasets](#)

Data visualizations displayed through an interactive system featured in science museums across the globe and accessible online.

## [NOAA Weather Partners Video: An Introduction to Space Weather and the Space Weather Prediction Center](#)

Provides an introduction to space weather and the role of NOAA's Space Weather Prediction Center.

## [NOAA Weather Partners Video: Space Weather Impacts: Power](#)

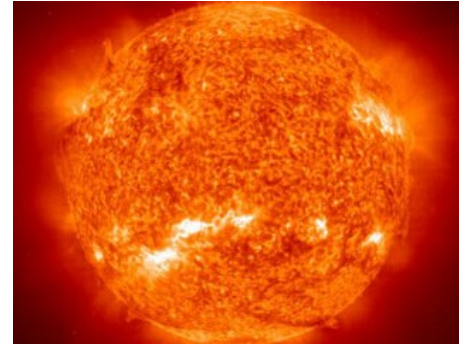
Explains how geomagnetic storms can create electrical currents which can result in significant impacts on the electric power grid.

## [NOAA Weather Partners Video: Space Weather Impacts: GPS](#)

Outlines how GPS systems can be interrupted by space weather storms.

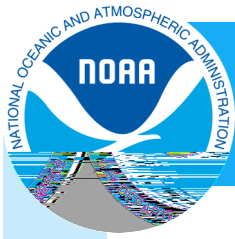
## [NOAA Weather Partners Video: Space Weather Impacts: Communications](#)

Presents potential consequences of space weather storms on communication and technology.



***NOAA's Space Weather Prediction Center operates 24x7 to  
continually monitor and forecast space weather .***

***To receive a wide range of space weather watches, warnings, alerts and  
forecasts within moments of being issued, sign up for  
NOAA's Space Weather Prediction Center  
Product Subscription Service***



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## [World Meteorological Organization Space Weather Product Portal](#)

Offers one stop shopping to access space weather products from around the globe for no cost. This portal facilitates inter-comparison and coordination of products and also enhances global participation in space weather services.

## [COMET Training Module: Space Weather Basics](#)

Presents an overview of space weather processes, their impacts on earth and human activities, and the technologies used to forecast space weather events.

## [COMET Training Module: Space Weather Impacts on Aviation](#)

Provides an overview of the information and products available from NOAA's Space Weather Prediction Center in support of aviation. Offers practice in interpreting and using those products for decision support during space weather events.

## [COMET Training Module: Physics of the Aurora](#)

Explores the history, lore, and in-depth science of the aurora. Developed for professors and students in the field of physics and astronomy.

## [NOAA Video: Monitoring Space Weather](#)

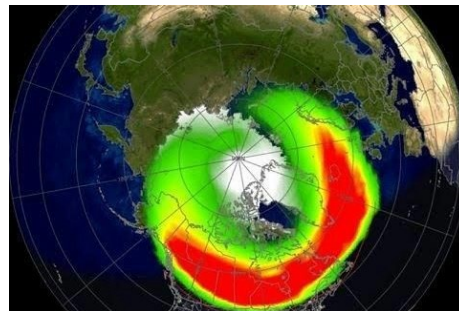
A video on how NOAA monitors space weather events. Models their impact on Earth, and works with commercial sectors to protect lives and property.

## [NOAA's Space Weather Prediction Center: Product Subscription Service](#)

SWPC provides a wide range of space weather watches, warnings, alerts and forecasts available through email within moments of being issued.

## [NOAA's Space Weather Prediction Center: Frequently Asked Questions](#)

Information and explanations covering a wide variety of topics, including space weather phenomena and the importance of forecasting.



@nwsswpc

Learn more about space weather by visiting  
NOAA's Space Weather Prediction Center  
[www.spaceweather.noaa.gov](http://www.spaceweather.noaa.gov)



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