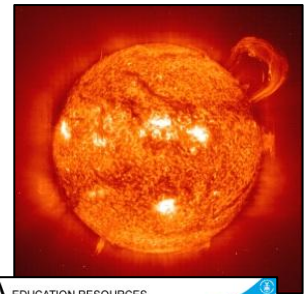


NOAA's Space Weather Prediction Center Education & Outreach Resources

- **“What Happens at the Sun Doesn't Stay at the Sun” Video developed by NOAA Weather Partners**

- Provides an introduction to space weather and how it impacts our Nation's infrastructure.
- Available at http://www.youtube.com/watch?v=xVFT_5h3WLE



- **Space Weather as a NOAA Resource Collection**

- Offers space weather background info, multimedia resources, lessons & activities, real world data, and career profiles.
- Available at http://www.education.noaa.gov/Weather_and_Atmosphere/SpaceWeather.html



- **“Space Weather Basics, 2nd Edition” Training Module developed by COMET**

- Presents an overview of space weather processes, their impacts on Earth and human activities, and the technologies used for forecasting space weather events
- Available at https://www.meted.ucar.edu/training_module.php?id=901

- **NOAA Space Weather Scales**

- Communicates current and future space weather conditions and their possible effects on people and systems. Describes solar disturbances, how often such events happen, intensity levels, and outlines the impacts on infrastructure.
- Available at <http://www.swpc.noaa.gov/NOAAscales/>

Category	Level	Physical Parameter	Average Frequency
Solar and Geomagnetic Storms			
Geomagnetic Storms	G5	Disturbance Storm Equivalent (DSE) Index	10-15 per year
	G4	Disturbance Storm Equivalent (DSE) Index	10-15 per year
	G3	Disturbance Storm Equivalent (DSE) Index	10-15 per year
	G2	Disturbance Storm Equivalent (DSE) Index	10-15 per year
Solar Radiation Storms	S5	Solar Proton Flux (SPF)	10-15 per year
	S4	Solar Proton Flux (SPF)	10-15 per year

- **“Space Weather Impacts on Aviation” Training Module developed by COMET**

- Provides aviation forecasters and others with an overview of the information and products available from NOAA's SWPC and provides practice interpreting and using those products for decision support during space weather events.
- Available at https://www.meted.ucar.edu/training_module.php?id=963



- **“Handling Space Weather Inquiries” Training Module for NWS Weather Forecast Offices developed by the NWS Training Center**

- Readies WFO forecasters by providing a basic space weather overview, fundamentals of SWPC products and alerts, and training on providing answers to customers.
- Available via the NWS Learning Management System (LMS) at <https://doc.learn.com/learncenter.asp?sessionId=3-DFF49474-0621-440C-9B0C-0717160E9831&DCT=1&id=178419&page=67>



- **“Space Weather and General Aviation” Video developed by the Aircraft Owners and Pilots Association (AOPA)**
 - Presents space weather issues faced by general aviation to increase situational awareness. AOPA represents nearly 400,000 members who are private aviators.
 - Available at http://www.aopa.org/aopalive/?watch=xpcThzNDpBAIUrlzVhf1zrXDAaV_cu54
- **SWPC on youtube**
 - Monitoring space weather, January 2012: <http://www.youtube.com/watch?v=OcvAKCS7bD0&feature=youtu.be>
 - NOAA Space Weather update March 7, 2012: <http://www.youtube.com/watch?v=6Q45vtmoFwg>
 - NOAA Space Weather update March 8, 2012: <http://www.youtube.com/watch?v=6jwUN-5R7f0>
 - NOAA Space Weather update March 9, 2012: <http://www.youtube.com/watch?v=TgUd4rLUEQQ>
 - NOAA Space Weather update July 13, 2012: <http://www.youtube.com/watch?v=cWhsohrS1-4>

- **Visit NOAA’s Space Weather Prediction Center on Facebook**



- **Unified Space Weather Capability Portal**

- Provides a gateway to access federally funded space weather information, services, and activities. It connects to a system of existing portals and websites, providing national information to enhance understanding.
- Available at <http://www.swpc.noaa.gov/portal/>



- **World Meteorological Organization Space Weather Product Portal**

- Offers one stop shopping to access space weather products from around the globe at no cost. This portal facilitates intercomparison and coordination of products and also enhances global participation in space weather services.
- Available at http://www.wmo.int/pages/prog/sat/spaceweather-productportal_en.php



For more information, please visit us at www.swpc.noaa.gov and on [facebook](#) “NOAA NWS Space Weather Prediction Center”

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