



# Aviation Impacts - Solar

May 11, 2024  
6:30 PM

For Washington Center (ARTCC) Airspace

## What? | Geomagnetic Storm Watch (G4+ possible)

→ Issued by: Space Weather Prediction Center (May 11 @ 1730Z)

### Details

- A G4 or Greater Geomagnetic Storm Watch for Sunday, May 12, which will be followed by possible G3 conditions into Monday.
- Possible widespread voltage control problems and some protective systems may mistakenly trip out key assets from the power grid.
- **Satellite navigation (GPS) degraded.**
- **HF (high frequency) radio propagation sporadic or blacked out.**

**More information:** [Space Weather Prediction Center](#)

**Geomagnetic Storm WATCH for May 12, 2024** G4 G5 Updated 2024-05-11 1:30pm EDT

**WHAT:** Several more CMEs are expected to reach Earth and lead to highly elevated geomagnetic activity

**EVENT:**  
A coronal mass ejection (CME) is an eruption of solar material. When they arrive at Earth, a geomagnetic storm can result. Watches at this level are very rare.

**TIMING:**  
Several CMEs are anticipated to merge and arrive at Earth on May 12th.

**EFFECTS:**  
The general public should visit our webpage to keep properly informed. The aurora may become visible over much of the northern half of the country, and maybe as far south as Alabama to northern California.



NOAA National Oceanic and Atmospheric Administration U.S. Department of Commerce Safeguarding Society with Actionable Space Weather Information Space Weather Prediction Center, Boulder, CO

