

I. SPACE WEATHER NOW

Space Weather activities based on NOAA scales as of 00:10 UTC 08 May 2024

ACTIVITY	PAST 24 HOURS	CURRENT
Geomagnetic Storms	None	None
Solar Radiation Storms	None	None
Radio Blackout	Strong	Minor

Geomagnetic Storms

- Disturbances in the geomagnetic field caused by gusts in the solar wind that blows by earth.

Solar Radiation Storms

- Elevated levels of radiation that occur when the numbers of energetic particles increase.

Radio Blackout

- Disturbances of the ionosphere caused by X-ray emissions from the Sun.

II. SPACE WEATHER FORECAST

3-day Solar-Geophysical Forecast issued 22:00 UTC 07 May 2024

ACTIVITY	FORECAST
Solar	Solar Activity Forecast: Solar activity is expected to be moderate with a chance for X-class flares on days one, two, and three (08 May, 09 May, 10 May).
Geophysical	Geophysical Activity Forecast: The geomagnetic field is expected to be at quiet to unsettled levels on days one and three (08 May, 10 May) and quiet to active levels on day two (09 May). Protons have a chance of crossing threshold on days one, two, and three (08 May, 09 May, 10 May).

Source: The U.S. Dept. of Commerce, NOAA, Space Weather Prediction Center