

## **I. SPACE WEATHER NOW**

Space Weather activities based on NOAA scales as of 00:10 UTC 18 May 2024

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

### **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 17 May 2024

ACTIVITY	FORECAST
Solar	Solar Activity Forecast: Solar activity is expected to be low with a chance for M-class flares and a slight chance for an X-class flare on days one, two, and three (18 May, 19 May, 20 May).
Geophysical	Geophysical Activity Forecast: The geomagnetic field is expected to be at quiet to minor storm levels on day one (18 May) and quiet to active levels on days two and three (19 May, 20 May). Protons greater than 10 Mev have a slight chance of crossing threshold on day one (18 May).

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