

## **I. SPACE WEATHER NOW**

Space Weather activities based on NOAA scales as of 00:10 UTC 16 May 2024

ACTIVITY	PAST 24 HOURS	CURRENT
Geomagnetic Storms	None	None
Solar Radiation Storms	Minor	Minor
Radio Blackout	Strong	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 15 May 2024

ACTIVITY	FORECAST
Solar	Solar Activity Forecast: Solar activity is expected to be moderate with a chance for X-class flares on day one (16 May) and expected to be low with a chance for M-class flares and a slight chance for an X-class flare on days two and three (17 May, 18 May).
Geophysical	Geophysical Activity Forecast: The geomagnetic field is expected to be at quiet to active levels on days one and two (16 May, 17 May) and quiet levels on day three (18 May). Protons are expected to cross threshold on day one (16 May), have a slight chance of crossing threshold on day two (17 May) and have a slight chance of crossing threshold on day three (18 May).

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