

## I. SPACE WEATHER NOW

Space Weather activities based on NOAA scales as of 00:10 UTC 19 October 2021

| ACTIVITY               | PAST 24 HOURS | CURRENT |
|------------------------|---------------|---------|
| Geomagnetic Storms     | None          | None    |
| Solar Radiation Storms | None          | None    |
| Radio Blackout         | None          | 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 18 October 2021

| ACTIVITY    | FORECAST  |
|-------------|---|
| Solar       | Solar Activity Forecast: Solar activity is expected to be very low on days one, two, and three (19 Oct, 20 Oct, 21 Oct).  |
| Geophysical | Geophysical Activity Forecast: The geomagnetic field is expected to be at quiet to active levels on days one and three (19 Oct, 21 Oct) and quiet levels on day two (20 Oct). |

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