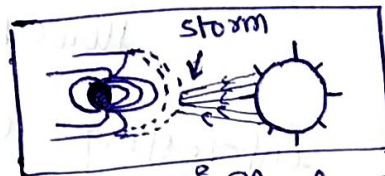


A Geomagnetic storm is a phenomenon which occurs due to very efficient exchange of energy from solar wind into the space environment surrounding the Earth.

These storm results from the variation in solar winds called corona and solar currents which erupts from it called coronal mass ejection.

These are plasma with embedded magnetic field collide with Earth's magnetic field to produce magnetic storm, which can be seen in the form of Aurora mostly in northern

Polar region of USA



Though there are very limited sci-entific studies conducted on geomagnetic storm, but scientists have found a link between them and weather on earth.

① heating of ionosphere and thermo-sphere create density differences which impacts weather on Earth.



(ii) weather forecasting got impacted due to disturbances in ionosphere. The global positioning system (GPS) gets disturbed and flights may get impacted.

(iii) military problems - Jamming of radars, disfunctioning or damage of transmission lines are very frequent problem which is related to geomagnetic storms.

(iv) space studies may get inefficient if space weather, space flights etc get impacted.

However, Aurora provides an interesting insight, which can reveal many of the unknown facts, thus a greater research and study is needed for proper knowledge of connection with geomagnetic storm and earth weather.