

## **Solar flare activities and its effects on the earth**

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Geomagnetic disturbances are commonly known as magnetic storms if global in scale, or magnetic substorms if localized in scale can induced a major hazard. These geomagnetic hazards have impact on technologies such as electric power utilities, pipeline operations, radio communications, navigation, satellite operations, geophysical exploration and GPS (global positioning system). This paper attempts to describe solar flare activities and its effects on the earth. A large solar flare is an incredibly complex phenomenon on the surface and atmosphere of the Sun. Its effects on the earth's surface and its atmosphere is well known. The nature and theory of solar flares are discussed and some of its effects, including the generation of telluric current, will be described briefly. A preliminary result of probable telluric effect measurements will be presented.