Thermospheric and ionospheric storms

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Thermospheric and ionospheric storms cause a significant drag on a satellite in low earth orbit or the International Space Station, as well as transmission errors between satellite/GPS and the ground. To avoid the risk, we must understand the interaction process between atmosphere and plasma in the thermosphere/ionosphere regions. It is necessary that the study contributes to the development of 'space weather' to predict the thermospheric and ionospheric storms.