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**Satellite-based Operational Space Weather Observation in Japan:
Current Status and Future Plan**

Tsutomu Nagatsuma

Space Environment Laboratory, National Institute of Information and
Communications Technology

In geostationary orbit, satellites for various practical purposes such as communication, broadcasting, and weather observations are operated. On the contrary, it is known that malfunctions and failures of satellites in geostationary orbit sometimes happens due to the space environment disturbances driven by the solar wind. To realize safe and secure satellite operation, nowcast and forecast information of space environment needs to be used for avoiding risks of satellite anomalies and quick diagnosing and responding in the event of satellite anomaly. The status and future plan of satellite-based operational space weather observation in Japan will be introduced in our talk.