

Annual report of PSTEP-A01 "development of new generation space weather forecast system"

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The purpose of A01 group in PSTEP is to develop a new generation space weather forecast system through the dual communication between academic scientists and end-users. We manage the committee of space weather users to realize the purpose and develop the following four systems; (1) radio propagation simulator, (2) tailor-made space weather system for managing specific satellite, (3) the estimate system of human exposure, and (4) the estimate system of geomagnetically induced current on electric power grid. In this presentation I will report the current status of the activity and results of PSTEP A01 group.

Keywords: space weather, radio propagation, satellite anomaly, geomagnetically induced current, human exposure