

Science and Operational Activity of Space Weather in NICT

Mamoru Ishii^{1*}

¹NICT

We, NICT has been providing space weather forecast information for keeping secure and safe operation of telecommunication, broadcast and satellite positioning, etc. We need to study very wide area, from the sun to the earth's ionosphere and/or ground for studying space weather. In addition we still have unknown mechanism in this field. We are now constructing forecasting system with observation network, empirical model and numerical simulation in such limited condition. And we use informatics technique for high-performance observation and building large computing field. GIC is one of the big topics in space weather and we will discuss how to collaborate their expert community to improve this scientific field.

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