

Update of space weather research and operation activities in NICT

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Since September 6 2017, when X9.3 solar flare occurred most of Japanese people were scared of it, the situation of Japanese space weather operation has been changed so much. The ionosphere observing network has been set more robustly with dual systems. A back up center of space weather information service has been installed at NICT Kobe branch. In addition, we will begin 24/7 operation of space weather forecast services in FY2019. We have been collaborating with academic researchers under the framework of PSTEP which will finish the end of FY2019. Through the activities, we have provided some applications for better service than before. A radio propagation simulator, HF-START, and the estimation system of human radiation on flight, WASAVIES will be up on our web soon. In addition, we continue to discuss hazardous map against severe space weather disasters, which will be published within a year. I would like to share our information and have close cooperation with Asia Oceania space weather researchers and operators.

Keywords: Space Weather forecast, AOSWA, social impact