
PEM036-07

Room: Function Room A

Time: May 25 13:45-14:00

Space Weather Observation Networks in NICT (NICT-SWM)

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We are operating space weather monitoring networks as a research project for measurements of solar-terrestrial environment and space weather prediction. The magnetometer and HF radar network are running in the arctic region and Japanese meridional sector for monitoring energy flow from the magnetosphere to the polar ionosphere, and propagation of disturbances from the polar to the equator. Solar and solar wind activity, and ionospheric activity over Japan is monitored by domestic ground-based observatories. Equatorial ionospheric disturbances are observed by South East Low Latitude Ionosonde Network (SEALION). We will introduce current status of future perspective of NICT's space weather monitoring networks.

Keywords: Space weather forecast, Solar activity, Magnetosphere, Ionosphere, Observation network