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MGI015-04 Room: Exibition hall 7 subroom 2 Time: May 24 14:30-14:45

## Construction of database of ground-based observations at ERG Science Center

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The ERG (Energization and Radiation in Geospace) mission aims to elucidate the mechanisms of acceleration, transport, and loss of charged particles during space storms in geospace. For this purpose, a small satellite will comprehensively observe magnetic and electric fields, waves, and particles with a wide energy range of 1 eV to 10 MeV at the magnetic equator in the inner magnetosphere. It is also essential to integrate ground-based observations and numerical modeling with satellite observations. To start the integrated studies immediately after the launch of the satellite, the ERG Science Center has been organized at Solar-Terrestrial Environment Laboratory, Nagoya University and begun to construct database of ground-based observations from magnetometers, radars, and all-sky cameras. We unify the data format into a Common Data Format, including the meta data, and incorporate analysis tools into a widely used analysis tool called TDAS. We report the current status in the presentation.

Keywords: ERG, inner magnetosphere, ground-based observations, geomagnetic field, radar, database