

Inter-university Upper atmosphere Global Observation NETwork (IUGONET)

Akiyo Yatagai^{1*}, Takahiro Obara², Takuji Nakamura³, Tatsuki Ogino⁴, Toshitaka Tsuda¹, Toshihiko Iyemori⁵, Kazunari Shibata⁶, Kiyohumi Yumoto⁷

¹Research Institute of Sustainable Humanosphere, Kyoto University, ²Planetary Plasma and Atmospheric Research Center, Tohoku University, ³National Institute of Polar Research, ⁴Solar-Terrestrial Environment Laboratory, Nagoya University, ⁵World Data Center for Geomagnetism, Kyoto University, ⁶Kwasan and Hida Observatories, Kyoto University, ⁷International Center for Space Weather Science and Education, Kyushu University

IUGONET is a joint project aiming at establishment of a data exchange system for the Earth's upper atmosphere observations including the mesosphere, thermosphere, ionosphere and magnetosphere. It was started in 2009 as a 6-year project by the five Japanese universities and institutes that have been leading ground-based observations of the upper atmosphere for decades.

In order to investigate the mechanism of long-term variations in the upper atmosphere, we need to combine various types of in-situ observations and to accelerate data exchange. To achieve this, we have built a metadata database (MDB), have been archiving data by means of a global network of radars, magnetometers, optical sensors, helioscopes, etc, and have been producing software to help researchers easily download, visualize, and analyze data provided from the member institutions and cooperative organizations/persons.

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