

E206-001

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Global network study to understand the long term variability of upper atmosphere: Insights from polar regions

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Upper atmosphere region within an altitude range of 30~700km is believed to have significant influence on the global circulation and magnetospheric plasma convection, as well as the energy balance and dynamics of the neutral gases and plasmas and of the upper atmosphere. Thus the upper atmosphere is one of the most important areas for the regional coupling processes taking place near earth. To realize this research project we proposed a global network observation plan conducted by the core group of National Institute of Polar Research, Kyushu University, Kyoto University, Nagoya University and Tohoku University. These Institute and Universities will collaborate with each other by organizing their observation resources, conducting campaign observations and exchanging observation data.