

VarSITIプログラム期間における国際宇宙天気科学・教育センター／MAGDASの研究プロジェクト ICSWSE/MAGDAS Research Projects During the VarSITI Program Interval

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International Center for Space Weather Science and Education (ICSWSE) has developed a real time magnetic data acquisition system (the MAGDAS project) to monitor the space environment around the world. The number of observational sites is increasing every year in collaboration with MAGDAS host countries. Up to now, the MAGDAS Project has installed 73 real time magnetometers: It is the largest magnetometer array in the world. Using data from this global network, we are developing many research projects. In this talk, we introduce our research projects planned during the VarSITI program interval, as follows:

- (1) Global electromagnetic coupling from polar to equatorial ionosphere
- (2) Vertical coupling among the atmosphere, the ionosphere and the magnetosphere
- (3) Plasmaspheric diagnosis using the Field line resonance
- (4) Magnetospheric diagnosis using geomagnetic disturbances
- (5) Monitoring of Space weather phenomena using solar and magnetospheric indices
- (6) Modeling of Space weather parameters
- (7) Sun-atmosphere coupling

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