

Recent development of MAGDAS project: Strategy for international alliance of geomagnetic field network observation

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For space environment monitoring, Kyushu University has developed a real time magnetic data acquisition system (the MAGDAS project) around the world. The number of observational sites is increasing every year with the collaboration of host countries. Now at this time, the MAGDAS Project has installed 77 real time magnetometers -so it is the largest magnetometer array in the world. The history of global observation at Kyushu Univ is over 30 years and number of developed observational sites is over 140.

In this talk, we will introduce recent development of MAGDAS project and strategy for international alliance of geomagnetic field network observation based on the project "Study of coupling processes in solar-terrestrial system" that was approved by the Master Plan 2014 of Science Council of Japan and the Roadmap 2014 of MEXT.

Topics for open policy for MAGDAS data, development of Space weather index, and extension of Equatorial network will be also discussed.

Keywords: International alliance, geomagnetic field network, master plan