

MAGDAS プロジェクトと新しいデータ共有ポリシー MAGDAS project and its new policy for data sharing

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International Center for Space Weather Science and Education (ICSWSE), Kyushu University was established in 2012 mainly for the purpose of conducting research and education in space weather and related fields. Our major data collection effort is well known as the "MAGDAS (MAGnetic Data Acquisition System)/CPMN (Circum-pan Pacific Magnetometer Network) Project" (Principal Investigator: Dr. A. Yoshikawa). Currently, 74 MAGDAS magnetometers and 3 FM-CW (Frequency Modulated Continuous Wave) radars have been installed all over the world. Each MAGDAS instrument sends observational data to ICSWSE in near real-time via the Internet.

We at ICSWSE use MAGDAS data for space weather research and for other applications, for example space weather now-casting and forecasting. In addition, we also use MAGDAS data for capacity building of host institutes. We organize some conferences called "MAGDAS School" in many parts of the world. In this school, we teach how to use the instrument, data, and scientific applications based on geomagnetism.

It is also important that any user can easily get detailed information and data related to MAGDAS. For the information of MAGDAS, we provide various MAGDAS information via our website. In addition, we provide the MAGDAS information via optimized metadata database system and also via analysis software developed by IUGONET (Inter-university Upper Atmosphere Observation NETWORK). However, until recently, we placed strong restrictions for data sharing, for example, requiring general users to fill the "data usage agreement form" before they can receive the data they requested.

We think that our old rules are suitable for the MAGDAS/CPMN project, but on the other hand, we know that there are some points desirable to be modified from the perspective of users. So, we are updating our policy for data release and citation to accelerate data usage of MAGDAS/CPMN, and to provide benefits to both data providers and users. At the beginning, we opened MAGDAS data (since 2005) to public via Internet. In this paper, we will introduce the MAGDAS project and its new policy for data sharing.