Title
Distribution of polar upper atmospheric data and promotion of polar science by the IUGONET project

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UDAS can be downloaded from http://www.iugonet.org/software.html.

The IUGONET project adopted DSpace as the metadata database platform. DSpace is an open source software widely used by the digital repositories at many academic organizations over the world.

The metadata are archived in the IUGONET common metadata format designed based on the SPARE (Space Physics Archive Search and Extract) data model with additional small modifications according to the characteristics of the ground-based observational data.

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UDAS is written in IDL (Interactive Data Language), which is widely used in the solar and terrestrial physics. We are developing the software on the basis of TDAS (THEMIS Data Analysis System), for which the successor software is released as a plug-in software of TDAS to handle data provided from the IUGONET universities institutes.

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The “search result” shows part of metadata - title, description, and access URL (if available) - of data that match input keyword(s), time range, and/or spatial coverage.

The metadata “title” is a link to the metadata details which include at least link(s) to metadata of contact person responsible to the data.

The “access URL” leads the user to the web site of the observational database. The user may be able to obtain the data files if they are available online.

The IUGONET project members have shared collaborative researches to self-evaluate the developed products and to demonstrate how to use them in the actual scientific studies.

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