Data analysis software developed by the IUGONET project

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http://hdl.handle.net/2324/26536
Examples of data visualization and analysis

Load routines included in the latest version of UDAS v2.0.1.1

- Developement of UDAS/UDAS executable on the free IDL Virtual Machine (IDL-VM) environment:
  The free IDL-VM allows any users without a paid IDL license to use the GUI tool.
- A link between UDAS and IUGONET-MDB:
  UDAS can get metadata from the IUGONET-MDB through the OpenSearch interface. (e.g., URL of data and location of observatories)
- Handling of 3-D simulation data by UDAS:
  We have implemented functions to handle the 3-D data calculated by the General Circulation model (GCM) simulation.

Summary

- The IUGONET project has been developing the infrastructures and common tools (metadata database [IUGONET-MDB] and data analysis software [UDAS]) to facilitate the distribution and wide use of the ground-based atmospheric data provided by the IUGONET university/institutes.
- UDAS can handle many kinds of solar and upper atmosphere data, including satellite and simulation data, and is one of the promising tools in the solar-terrestrial physics community.

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