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Metadata format utilized for the IUGONET metadata database

Tomoaki Hori^{1*}, Masato Kagitani², Yoshimasa Tanaka³, Hiroo Hayashi⁴, Satoru UeNo⁵,
Daiki Yoshida⁶, Shuji Abe⁷, Yukinobu Koyama⁶, Takahisa Kono¹, Naoki Kaneda⁵,
Yoshizumi Miyoshi¹, Takuji Nakamura³, Masaki Okada³

¹STE lab., Nagoya Univ., ²PPARC, Tohoku Univ., ³NIPR, ⁴RISH, Kyoto Univ.,

⁵Kwasan and Hida Observatory, Kyoto Univ., ⁶WDC, Kyoto Univ., ⁷SERC, Kyushu Univ.

The Inter-university Upper atmosphere Global Observation NETwork, IUGONET, is a six-year research project of the National Institute of Polar Research, Tohoku University, Nagoya University, Kyoto University, and Kyushu University, to build a metadata database (MDB) of ground-based observations of the upper atmosphere. This MDB archives metadata by stratifying information on the observed data, such as time interval, observation location, and record media as well as those of the other research resources, such as researchers, observatories, and database of the actual data. IUGONET has been developing a metadata format for the MDB archiving by modifying the Space Physics Archive Search and Data Extract (SPASE), which has originally been developed/maintained by the international consortium led by NASA. The resultant metadata format, called IUGONET common metadata format (IUGONET-CMF), is capable of better and more comprehensively describing the upper atmosphere data. In this talk, we explain some details of the contents and features of the IUGONET-CMF. We also show the background and current status of the metadata format development. The future timeline for the metadata generation/collection by IUGONET is also provided.

Keywords: metadata, IUGONET, upper atmosphere, Inter-university research project