Database system of VLF/ELF waves observed by Akebono satellite

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More than 13 years have passed since the Akebono satellite was launched. The accumulated data amounts to about 1.5 Tbytes of digital data and more than 20,000audiotapes of analogue data. The data obtained by Akebono is quite useful to know the global feature of the inner magnetosphere statistically. We are now constructing a database system on the ELF/VLF waves observed by Akebono satellite. In the database, image files of wave spectra as well as calibrated wave data will be archived. We constructed the system using Apache for a web server and PostgreSQL for a DBMS. PHP is adopted for the interface between the web server and DBMS. In order to protect the security of the database, we introduced firewall system and ssh between web server and database server.