

GEONET 電離圏 3次元トモグラフィのシステム開発

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System Development related to the 3D ionospheric tomography with GEONET

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Recently, we successfully started the 3-dimensional (3D) tomography analysis of the ionosphere over Japan in near real-time bases. The service is based on the GPS-TEC data from the GEONET. We continue developing the 3D tomography system in the following ways; One is to analyze existing GEONET data, and the other is the web-based data handling service. The former includes the 3D tomography on demand, and the development of 3D tomography database. The latter is necessary to help users to acquire 3D image of the ionosphere. We will show design and current status of these developments.