

The GSI contribution to the IGS

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Geospatial Information Authority of Japan (GSI) has started GNSS continuous observation in tracking stations since 1991. Five years later, GSI started operation of nationwide continuous observation system called GEONET (GNSS Earth Observation Network System), which now consists of more than 1300 stations.

Some stations of GEONET operated by GSI are registered as International GNSS Service (IGS) stations. GSI has participated in IGS since the establishment of the IGS and has played an important role as an operational data center and Regional Network Associated Analysis Center (RNAAC).

GSI operates 7 IGS stations including 6 stations in Japan, and SYOG station located in Antarctica. Some equipment satisfying IGS specification are installed at these stations, e.g. atomic clock to keep precise time stamp at each station. We have also participated in recently launched M-GEX project and RTS Service for further contribution to IGS. These data support the high-quality IGS products and construction of International Terrestrial Reference Frame, which also benefit us to conduct coordinate analysis of GEONET stations in Japan. We will continue to cooperate with IGS.

We show the GSI contribution to IGS from beginning of continuous GNSS observation.

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