

# Japan Geoscience Union Meeting 2011

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SEM036-P14

Room:Convention Hall

Time:May 26 10:30-13:00

## Magnetic Charts for the Epoch 2010.0

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The GeoSpatial Information Authority of Japan (GSI) has been conducting geomagnetic surveys in Japan since 1948. As a results of surveys, magnetic charts published every 10 years, and the latest charts are 2000.0. We have a plan to provide the new charts (epoch 2010.0) in this year. The most characteristic point is adopting the new spatial-temporal model created until 2010. By the use of the new model, we can get the magnetic charts for arbitrary epoch. Then, we can realize yearly variation of magnetic components in visible.

The magnetic charts provide accurate geomagnetic field values for Japan and are widely used as a reference for the study of local geomagnetic anomalies, for example, we get magnetic anomaly of Japan by subtract IGRF from spatial-temporal model.

This is the last time to provide printed magnetic charts. Next time, we will provide charts on the GSI web site.

Keywords: Magnetic charts, declination, total force, magnetic anomaly