

Improvement of REGMOS (Remote GNSS Monitoring System)

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GSI of Japan has developed Remote GNSS Monitoring System (REGMOS) and observed crustal movement around volcanoes with REGMOS. REGMOS is autonomous system which can work in the area where there is neither ordinary electricity nor telephone services.

REGMOS has GNSS receiver and antenna, thermometer, tiltmeter, network camera, etc. The data of these equipment are transferred to server in GSI once every hour.

In 2013~2014, we have improved REGMOS's functions. First, we introduced Multi-GNSS observation. Second, we introduced the terrestrial mobile communication system. Third, we increased the frequency of camera shooting and data transfer.

We will report these improvements of REGMOS and its effects.

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