

## Relationship between half-graven and high-velocities area at depths of 10km in Kanto Area

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[1] none

The distribution of half-graven (Takahashi 2005) seems to coincide with the location of high-velocities area at depths of 10km in Kanto area (Matsubara 2005).

There is half-graven in Chichibu, Kawagoe, Itsukaichi, Hokota, Hukaya, Kinugawa area.

These areas and Tsukuba, Kasama areas also have high-velocities location at depths of 10km.

But in Tsukuba and Kasama areas, half-graven has not been reported yet.

Due to anomalous gravity structure, we can recognize half-graven structure in these areas.

So seismic reflection survey crossing the bottom of the half-graven in Tsukuba and Kasama should be conducted as soon as possible.

In Chichibu and Itsukaichi, we can see the tuff derived from volcanic ashes and lime stones from coral reef.

These areas are made of accretionary complexes of submarine volcano. This shows that other areas can be accretionary of submarine volcano. In fact, in the wells in Tsukuba gabbro and basalt are found.

Furthermore, we can see the minus anomalous magnetic zone in Moriya, Tsukuba, Kasama, Gozenyama, Nantaisan. Central ridge has the same peculiarity. Tsukuba and Kasama may be submarine volcanos on the ridge that had collided. In Nantaisan, Icelandite rock has been found. Needless to say, Iceland is an island on the central ridge.

With this point of view, we need to analyze rocks in these areas in detail.