

The trial of the RTK-GPS observation system construction in the volcano dangerous area: experiment result of the Usu Volcano.

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The crustal movement exceeding 1m is checked by GPS immediately before the 2000 Usu Volcano eruption. However, this is according to static made an ex post facto detection. By measuring on real time using RTK-GPS, a instant motion of volcanic can be grasped now. But it is difficult to set up the GPS through a man in the dangerous area, therefore, we made using a helicopter. We could actually try to set up it by the helicopter in the Usu Volcano in November, 2000, and could take a record. We introduce about this result.