

An Effect on Seismic Waves Beneath Active Volcanoes

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In this study, we would like to reveal 'What is the influence of seismic waves passing thorough magma" There are two kinds of seismic waves, P-wave and S-wave. P-wave can pass through solid, liquid and gas, however S-wave can only travel through solid. So, if the seismic waves pass a liquid magma, their waveform should become unclear. Unclear waveform means that the distinction between P-wave and S-wave become unclear. There are various ways to estimate the existence of magma, however it still be uncertain. We try to find an evidence of magma using seismic wave analysis.

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