

## Velocity structure of Mt Fuji using far field earthquakes

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The velocity structure of Mt. Fuji was investigated using the far field and deep focus earthquakes recorded at the summit station, Hachi-gome station, E.FUJ, E.FJO, and E. KMR. Comparing wave forms of each station, the difference of the arrival times of P wave at each station were accurately obtained. The theoretical travel times also used to evaluate the influence of the local structure at every station.

The result showed that the velocity was slow as the height of the station was low. The velocity of the southern part of Mt. Fuji was much slower than that of the northern part.