

Travel time delay of seismic waves and ground motion characteristics in the western part of Kanagawa prefecture, Japan.

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Travel time of seismic waves in western part of Kanagawa prefecture, Japan are evaluated from strong motion observation data of two earthquakes. In the southern part of Ashigara valley and Sagami plain area, travel time have much delay. The travel time delay in northern part of Ashigara valley is smaller than that in the southern part of the valley. The distribution of travel time delay are consistent with the variance of basement structure estimated from ground motion characteristics.