

ネバデルルイス火山の速度構造と地震活動

Velocity structure of Nevado del Ruiz volcano (Colombia) and a model for its seismic activity

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A local tomography study by using the method of Zhao et al (1992) was done for Nevado del Ruiz Volcano (NRV). Low-velocity zones for both P and S waves were identified. Two large low Vp zones ($>-5\%$) were found, one at depth 0-4km located to the NW of the volcano and another at depth 6-8km located to the NW and beneath the active crater. A high velocity zone ($>5\%$) for both P and S waves was found at shallow depths (0-2km). Moreover a low Vs zone beneath the crater at 2-4km was detected.

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