

## Low P-wave velocity structure in the lower crust under the oceanic floor southeast to the Ogasawara Plateau

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Japan Coast Guard conducted wide-angle seismic experiments and multi-channel reflection experiments on the southern slope of the Ogasawara Plateau and neighboring Jurassic oceanic floor. Taking into the consideration of the Bouguer gravity high anomaly, crustal thickness of this area is estimated to be similar to that of a typical seafloor in the Pacific Basin.

As the result of analysis for these experiments, a low velocity zone is recognized in the lower crust of the oceanic floor and a low P-wave velocity structure occurs in the uppermost mantle just below Moho. No traces of significant igneous activities are recognized in the survey area, except for Ogasawara Plateau. It is valuable to estimate the formation process of this characteristic velocity structure of the oceanic floor to discuss an essential concept for 'an oceanic crust'