

Structure of CMB region inferred from diffracted waves

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A large earthquake which occurred at Antarctica region is used for estimation of velocity structure at the Core-Mantle boundary region. The observed slowness is 4.55 (sec/deg) which is consistent with the theoretical values of 4.53-4.57 (sec/deg) obtained from the PREM model. The velocity structure of the Core-Mantle boundary beneath the northern part of Australia - Indonesia region is similar to the PREM model.