

## Internal structure of S-wave reflector beneath the focal area of 1998 M5.0 Sendai,northeastern Japan,earthquake

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Internal structure of S-wave reflector beneath the focal area of 1998 M5.0 Sendai earthquake was estimated from amplitude spectral ratios of reflected SxS-waves to direct S-waves. Observed spectral ratios show that S-wave velocity in the reflector body is 2.0-2.5 km/s, and its thickness is about 100 m. This suggests that a thin reflector body partially filled with fluids exists in the lower crust beneath the focal area of 1998 event.