

On M5.0 earthquake that occurred at the deepest portion of Nagamachi-Rifu Fault on September 15, 1998

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An M5.0 earthquake occurred in Sendai city, northeastern Japan, on September 15, 1998. Hypocenter distribution of the main shock and its aftershocks and their focal mechanisms show that the M5.0 earthquake occurred at the deepest portion of the Nagamachi-Rifu Fault. Foreshocks occurred very close to the main shock, and had very similar focal mechanisms to that of the main shock. Aftershocks having different focal mechanisms from that of the main shock took place at the margin of the aftershock area.