

Source processes of events that occurred in Sendai city on September 15, 1998

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We estimated relative source time function (RSTF) of an event (M5.0; Sep. 15, 1998) that occurred near Sendai city, by using empirical Green's function. Estimated areal extent of the rupture area of the event coincides with its aftershock area (about 3x3km). The RSTFs for foreshocks and aftershocks are also estimated. Events with relatively high stress drops are foreshocks, and aftershocks that occurred at the edge of the main shock rupture area.