

# ERRATA

## Ground motion and rupture process of the 2003 Tokachi-oki earthquake obtained from strong motion data of K-NET and KiK-net

Ryou Honda, Shin Aoi, Nobuyuki Morikawa, Haruko Sekiguchi, Takashi Kunugi, and Hiroyuki Fujiwara

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Abstract line 1:

”A great earthquake, named the 2003 Tokachi-oki earthquake, occurred in the southern Kuril subduction zone on 26th September 2003, 4:50 JST (41.7797°N, 144.0795°E, 42 km depth; Japan Meteorological Agency).” should read ”A great earthquake, named the 2003 Tokachi-oki earthquake, occurred in the southern Kuril subduction zone on 26th September 2003, 4:50 JST (41.7797°N, 144.0785°E, 42 km depth; Japan Meteorological Agency).”

Section 3.1 line 2:

”(1) The epicenter was determined from the JMA unified hypocenter catalog (lat 41.7797N, long 144.0795E).” should read ”(1) The epicenter was determined from the JMA unified hypocenter catalog (lat 41.7797N, long 144.0785E).”

Figure 3 on p. 318 should read as follows:

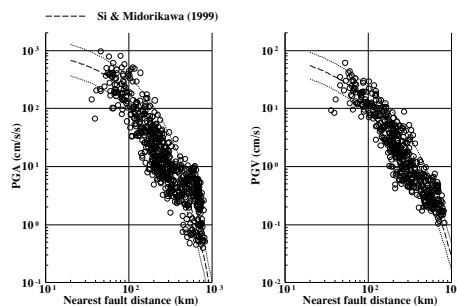


Fig. 3. Comparison between observed peak ground motions and an empirical attenuation relationship (dashed lines). Left: PGA at the surface. Right: PGV on the engineering bedrock ( $V_s = 600$  m/s), corrected in accordance with the method of Si and Midorikawa (1999). Dotted lines indicate the standard deviations of the empirical relationships.

Figure 6 on p. 319 should read as follows:

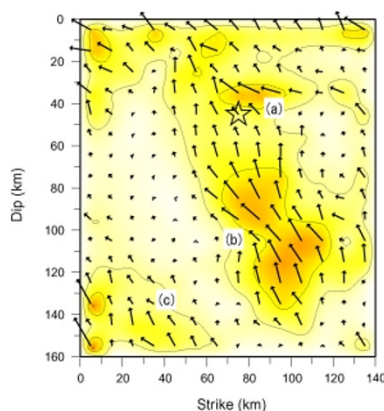


Fig. 6. Estimated total slip distribution. Star indicates the hypocenter. Arrows show the amplitudes and directions of slip.

Figure 8 on p. 320 should read as follows:

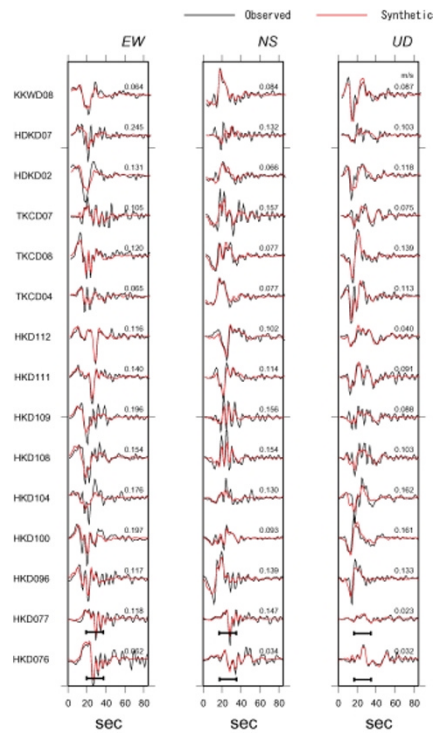


Fig. 8. Comparison between observed and synthesized velocity waveforms. The maximum values of each component are given to the right of each trace in m/s. Each trace is normalized by the maximum amplitude recorded at each station.

Figure 9 on p. 320 should read as follows:

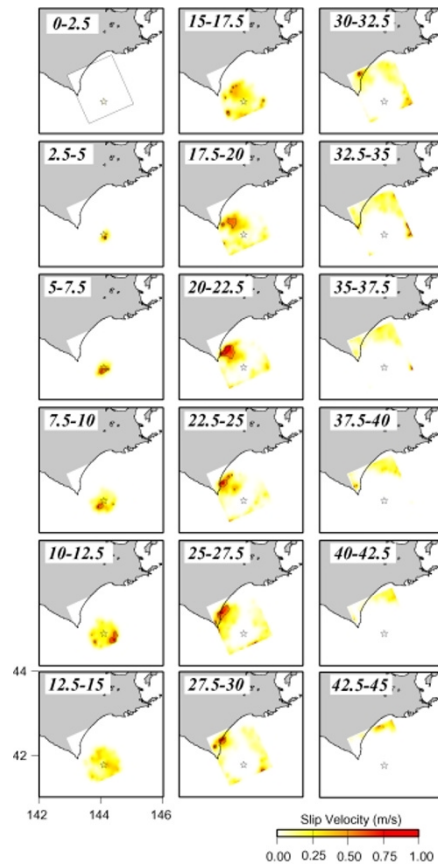


Fig. 9. Time progression of the rupture propagation. Contour interval of slip velocity is 0.25 m/s with a range of 0.5 to 1.0 m/s. Star indicates the hypocenter.