


2024-03-02 03:38 (UTC+9), SOUTHERN CHIBA, 30km Depth, M 3.8 by JMA

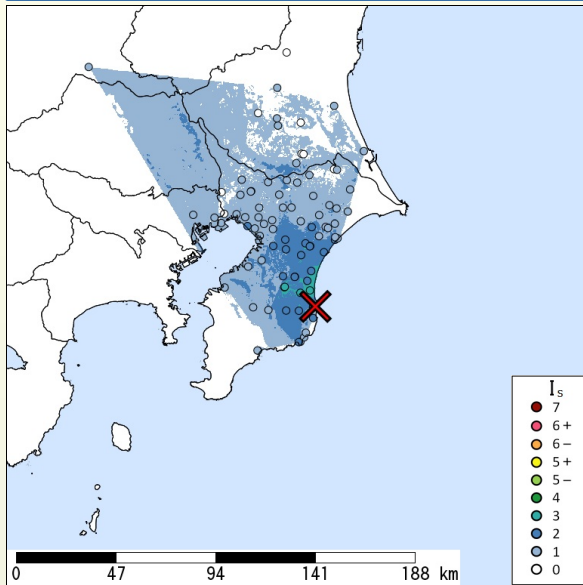
I<sub>s</sub> Distribution

Maximum Observed I<sub>s</sub>:3

Estimated I<sub>s</sub> for Major Cities

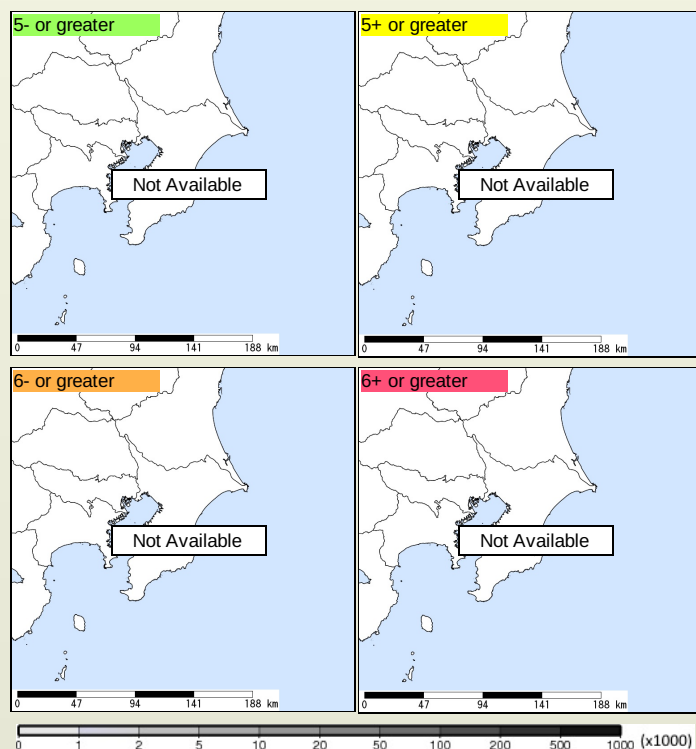
Max. Obs. I <sub>s</sub>	Histogram of Estimated I <sub>s</sub>	Municipality	Nighttime Population	Distance [km]
3		Ichinomiya,Chosei,Chiba	12,000	8

The histogram shows frequency distribution of estimated I<sub>s</sub> derived from interpolation of the observation with 250-m mesh. The daytime and nighttime correspond to 9:00-18:59 and 19:00-8:59, respectively. The distance is measured from the epicenter to the center of the municipality.



Seismic Intensity (I<sub>s</sub>) distribution is estimated from the observed data (circles) of NIED K-NET, KiK-net, JMA, and local governments that had been collected by 2024/03/02 03:48:02.

I<sub>s</sub> Exposed-Population Estimates of Each City



Population exposed to I<sub>s</sub> 5- or greater are not estimated.

Major Historical Damaging Earthquakes in This Region

Year	Region	M	Damage
1894	Eastern Tokyo	7.0	Tokyo Earthquake, Many houses collapsed in Kanda, Honjo, and Fukagawa. 24 dead in Tokyo, 7 dead in Kawasaki and Yokohama in Kanagawa.
1895	Southern Ibaraki	7.2	53 collapses (43 houses and 10 depots), 6 dead.
1915	Boso Peninsula	6.0	Some landslides. 5 injured, some houses collapsed.
1921	Southern Ibaraki	7.0	Ryugasaki Earthquake, Minor damage in Chiba and Ibaraki such as damage to houses and roads.
1922	West coast, Chiba	6.8	Uragasuido Earthquake, 1 dead in Tokyo, 1 dead in Yokohama, Kanagawa. Houses were damaged.
1923	Western Kanagawa	7.9	Kanto Earthquake, The maximum amplitude of 14-20 cm was observed in Tokyo. Over 105,000 dead or missing, over 109,000 houses collapsed, 102,000 partially destroyed, over 212,000 destroyed by fire. Many landslides. Tsunamis struck the coast of Kanto. Wave heights were 12 m in Atami, Sizuoka; 9.3 m in Aihama, Chiba.
1987	E Off Chiba	6.7	2 dead, 161 injured in Chiba. 16 houses collapsed and over 70,000 partially destroyed. Many roads damaged.
2012	E Off Chiba	6.1	The crustal earthquake with normal faults, induced by the 2011 off the Pacific Coast of Tohoku Earthquake. 1 dead, 1 injured. Maximum I <sub>s</sub> was 5+.

Reference: National Astronomical Observatory of Japan, Chronological Scientific Tables, Maruzen, (2017) \*partially extracted

Seismic Hazard Information of J-SHIS

J-SHIS is a Web service by NIED, to help prevent and prepare for earthquake disaster by providing a public portal for seismic hazard information across Japan.

I<sub>s</sub> Distribution of 2% Probability of Exceedance in 50 Years

I<sub>s</sub> Distribution of Return Period of 50,000-year

