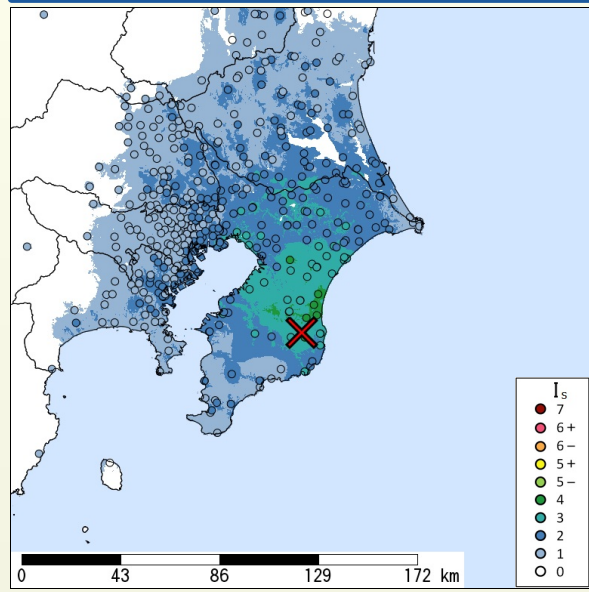


2024-03-02 01:49 (UTC+9), SOUTHERN CHIBA, 20km Depth, M 5.0 by JMA

I_s Distribution Maximum Observed I_s:4 Estimated I_s for Major Cities

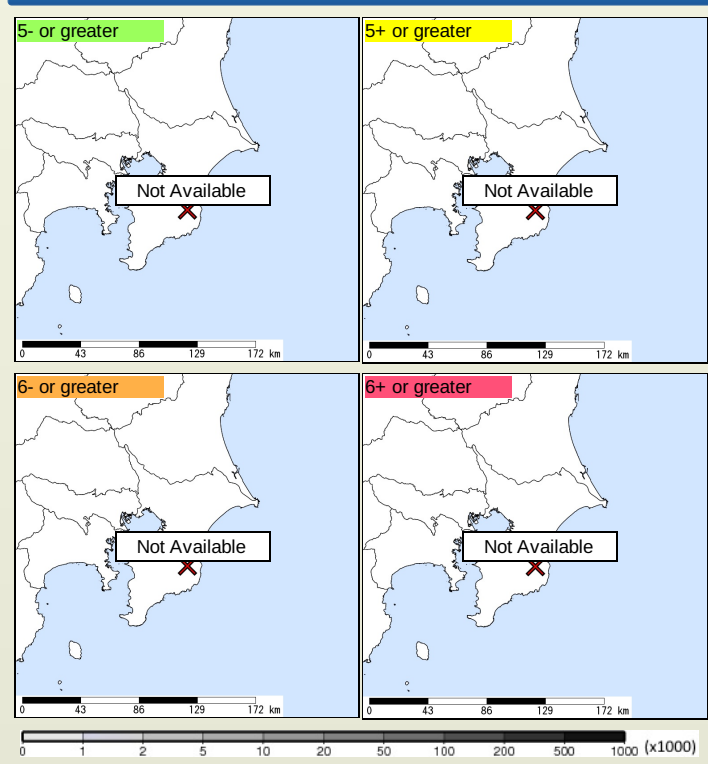


Seismic Intensity (I_s) distribution is estimated from the observed data (circles) of NIED K-NET, KiK-net, JMA, and local governments that had been collected by 2024/03/02 01:59:23.

Max. Obs. I _s	Histogram of Estimated I _s	Municipality	Nighttime Population	Distance [km]		
					1	2
4	[Histogram]	Wakaba, Chiba, Chiba	150,000	39		
4	[Histogram]	Isumi, Chiba	39,000	9		
3	[Histogram]	Oamishirasato, Chiba	49,000	24		
3	[Histogram]	Ichihara, Chiba	270,000	27		
3	[Histogram]	Togane, Chiba	61,000	29		
3	[Histogram]	Mobara, Chiba	90,000	14		
3	[Histogram]	Shiroi, Chiba	60,000	58		
3	[Histogram]	Mihama, Chiba, Chiba	150,000	43		
3	[Histogram]	Sammu, Chiba	53,000	35		
3	[Histogram]	Midori, Chiba, Chiba	130,000	31		
3	[Histogram]	Urayasu, Chiba	170,000	53		
3	[Histogram]	Narita, Chiba	130,000	53		
3	[Histogram]	Sosa, Chiba	37,000	51		
3	[Histogram]	Sakura, Chiba	170,000	47		
3	[Histogram]	Funabashi, Chiba	620,000	52		
3	[Histogram]	Narashino, Chiba	170,000	49		
3	[Histogram]	Kisarazu, Chiba	130,000	35		
3	[Histogram]	Hanamigawa, Chiba, Chiba	170,000	45		
3	[Histogram]	Kamagaya, Chiba	110,000	59		
3	[Histogram]	Kimitsu, Chiba	87,000	36		

The histogram shows frequency distribution of estimated I_s 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.

I_s Exposed-Population Estimates of Each City



Population exposed to I_s 5- or greater are not estimated.

Major Historical Damaging Earthquakes in This Region

Year	Region	M	Damage
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.
1924	Western Kanagawa	7.3	Tanzawa Earthquake, 19 dead, over 1,200 houses collapsed.
1978	Near Izu-Oshima Island	7.0	Izu Oshima Kinkai Earthquake, 25 dead, 211 injured, 96 houses collapsed, 616 partially destroyed, 1,141 roads damaged, 191 landslides.
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 _s 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_s Distribution of 2% Probability of Exceedance in 50 Years I_s Distribution of Return Period of 50,000-year

