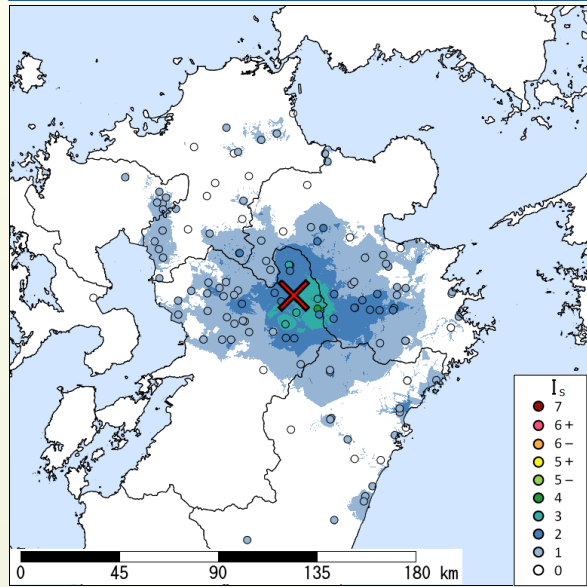


2025-12-29 07:35 (UTC+9), ASO, KUMAMOTO, 10km Depth, M 4.0 by JMA

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

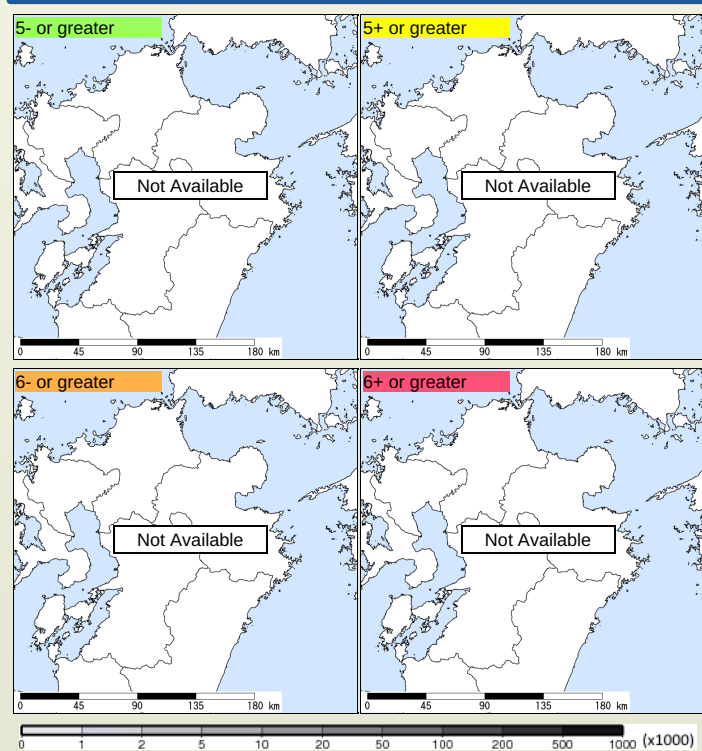


Seismic Intensity (I_s) distribution is estimated from the observed data (circles) of NIED K-NET, KiK-net, JMA, and local governments that had been collected by 2025/12/29 07:45:32.

Max. Obs. I _s	Histogram of Estimated I _s	Municipality	Nighttime Distance Population [km]
4	1 2 3 4 5-5+6-6+ 7	Aso, Kumamoto	27,000

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
1889	Western Kumamoto	6.3	239 houses collapsed, 20 dead.
1909	Western Miyazaki	7.6	4 houses collapsed.
1922	Tachibana Bay	6.9	Shimabara Earthquake, 26 dead, 42 injured, 195 houses collapsed, and 459 non-residential houses collapsed in Nagasaki.
1939	Hyuganada	6.5	Minor damage on the coast of Oita. 1 dead in Miyazaki. A small tsunami was observed.
1968	Satsuma, Kagoshima	6.1	Ebino Earthquake, 3 dead, 42 injured, 368 houses collapsed, 636 partially destroyed. On the 25th of March, 18 house collapses, 147 partial destructions.
1975	Aso, Kumamoto	6.1	10 injured in Kumamoto. 16 buildings collapsed, 17 partially destroyed, 12 roads damaged, 15 landslides.
1975	Western Oita	6.4	22 injured, 58 houses collapsed, and 93 partially destroyed. 182 roads damaged.
2005	W Off Fukuoka	7.0	1 dead, 1,204 injured, 144 houses collapsed, 353 partially destroyed.
2016	Kumamoto, Kumamoto	7.3 6.5	The 2016 Kumamoto Earthquake, crustal earthquake with right-lateral faults in Futagawa and Hinagu fault zone. 50 dead (not including 45 related death), 2,245 injured, 8,147 houses collapsed, 29,008 partially destroyed (as of Aug. 26, 2016). The maximum I _s was 7.

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

