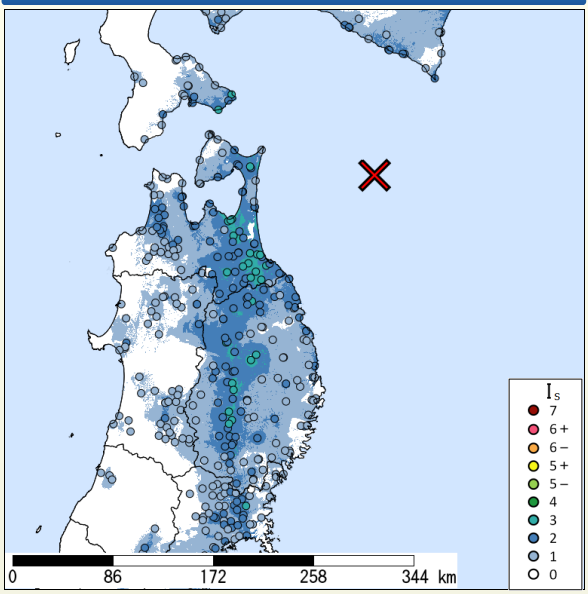
2025-12-26 01:17 (UTC+9), E OFF AOMORI, 40km Depth, M 5.6 by JMA

I_s Distribution — Maximum Observed I_s:3



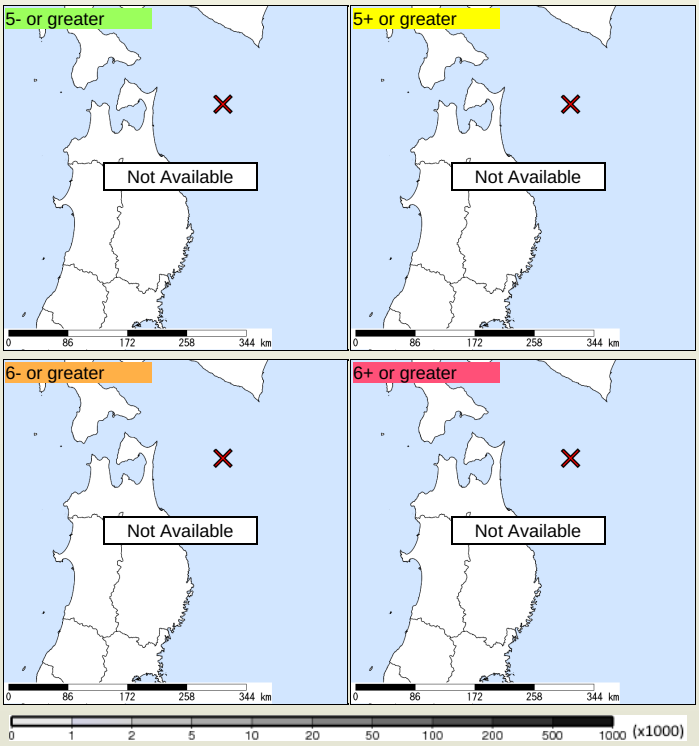
Seismic Intensity (I_s) distribution is estimated from the observed data (circles) of NIED K-NET, KiK-net, JMA, and local governments that had been collected by 2025/12/26 01:28:23.

Estimated I_s for Major Cities

Max. Obs. I_s	Histogram of Estimated I_s (1 2 3 4 5- 5+ 6- 6+ 7)	Municipality	Nighttime Population	Distance [km]
3		Noheji,Kamikita,Aomori	13,000	129
3		Morioka,Iwate	300,000	206
3		Oirase,Kamikita,Aomori	24,000	121
3		Hanamaki,Iwate	98,000	237
3		Ninohe,Iwate	28,000	150
3		Hachinohe,Aomori	230,000	120
3		Hakodate,Hokkaido	270,000	168
3		Kitakami,Iwate	94,000	247
3		Hachimantai,Iwate	26,000	189
3		Yahaba,Shiwa,Iwate	29,000	215
3		Tome,Miyagi	82,000	303
3		Shiwa,Shiwa,Iwate	32,000	219

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 Is 5- or greater are not estimated.

Major Historical Damaging Earthquakes in This Region

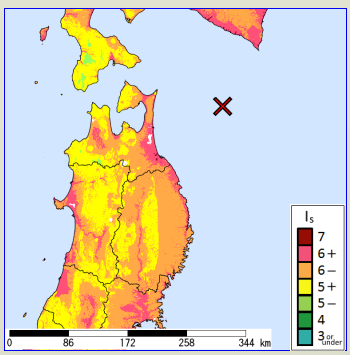
Year	Region	M	Damage
1763	Mutsu Hachinohe	7.4	Temples and houses were damaged. 1 house collapsed, 3 dead in Tairadate. Tsunamis and aftershocks were observed.
1763	Mutsu Hachinohe	7.3	Houreki Hachinohe-oki Earthquake,Many buildings were damaged.
1763	Mutsu Hachinohe	7.0	Walls of a castle fell over.
1832	Hachinohe	6.5	Depots were damaged. Stone monuments in Nanshu Temple, Honju Temple damaged.
1856	Hidaka, Iburi, Watarishima, Tsugaru, Nanbu	7.5	Ansei Hachinohe-oki Earthquake,Tsunamis struck Sanriku and the southern coast of Hokkaido. 93 outflows, 106 houses collapsed, 26 drowned in Nanbu Domain. 3 dead in Hachinohe Domain.
1858	Hachinohe, Sannohe	7.3	Depots, floodgates, and bridges were damaged in Hachinohe and Sannohe.
1901	E Off Aomori	7.2	18 dead or injured, 8 timber houses collapsed in Aomori. Some damages in Akita and Iwate. A 60 cm high tsunami was observed in Miyako, Iwate.
1945	E Off Aomori	7.1	2 house collapsed, 2 dead in Aomori. The total amplitude of the tsunami was 35 cm.
1968	E Off Aomori	7.9	Tokachi-oki Earthquake,52 dead, 330 injured, 673 houses collapsed, 3,004 partially destroyed. Observed tsunami heights were 3-5 m on the Sanriku Coast and 3 m on Cape Erimo.
1982	Off Urakawa	7.1	Uraga-oki Earthquake,167 injured, 9 buildings collapsed, 16 partially destroyed, 174 partially damaged, 45 railways damaged. A small tsunami was observed.

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

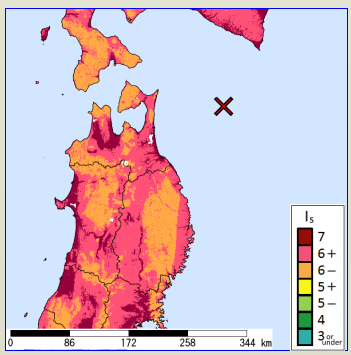
Seismic Hazard Information of J-SHIS

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



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