

The disaster in Tottori Prefecture Western earthquake

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The Tottori Prefecture Western earthquake, which occurred on 6 Oct 2000, caused a major disaster. We examined the broken degree of tombstones and roof tiles thoroughly to measure the damage.

We indicated that the disaster range which was caused by this earthquake was in the aftershock zone and the northeast area. The damaged tombstones and roof tiles indicate that the maximum rate of disaster was between the seismic zone and Hino town situated in the southern area.

The trend of collapse direction and rotation of tombstones indicate same direction. Our estimated magnitude of the earthquake from the damage to the collapsed tombstone was lower than that of the seismograph.