

**WORLD EARTHQUAKES OF MAGNITUDE 6.0 AND
GREATER
August 1998 to October 1998.**

head of
livestock killed in
Jiashi county.

Data from the U.S. National Earthquake Information Service.

| Date | Lat. | Long. | Depth (km) | Mag. | | | | | |
|--------|-------|---------|---------------|------|--|--------|-------------------|-----|--|
| Aug 04 | 0.55S | 80.41W | 19 | 7.1 | Near coast of Ecuador. Three people killed and forty injured in the Bahia de Caraquez-Canoa area. Approximately sixty percent of the buildings at Canoa severely damaged. Most buildings with three or more stories sustained some damage in Bahia de Caraquez. Considerable damage in many other parts of western Manabi Province. Landslides blocked a road between Canoa and Bahia de Caraquez. Felt strongly at Guayaquil and Quito. Also felt in the Cali, Colombia area. | Aug 28 | 0.19S 125.14E 66 | 6.1 | Southern Molucca Sea. |
| Aug 05 | 54.7S | 135.5W | 10 | 6.2 | Pacific-Antarctic Ridge. | Aug 29 | 55.7S 27.08W 33 | 6.0 | South Sandwich Islands region. |
| Aug 10 | 7.3N | 94.31E | 33 | 6.0 | Nicobar Islands, India. | Aug 30 | 17.0N 148.11E 33 | 6.2 | Mariana Islands region. |
| Aug 20 | 28.9N | 139.35E | 422 | 7.0 | Bonin Islands region. Felt (III JMA) on Chichijima and at Tateyama; felt (II JMA) in the Tokyo-Yokohama area. | Aug 30 | 51.1N 130.36W 10 | 6.1 | Queen Charlotte Islands region. |
| Aug 20 | 51.6N | 175.27E | 33 | 6.2 | Rat Islands, Aleutian Islands. | Sep 02 | 5.45N 126.75E 33 | 6.8 | Mindanao, Philippine Islands. Minor damage in the General Santos area. Felt strongly in many parts of southern Mindanao. |
| Aug 23 | 14.7N | 120.13E | 75 | 6.0 | Luzon, Phillipine Is. Felt (V RF) in the Manila area. | Sep 03 | 29.3S 71.62W 33 | 6.5 | Near coast of central Chile. Two people injured at La Serena. Felt (VI) at Andacollo, Coquimbo, Hurtado, La Higuera, La Serena, Monte Patria,,Paihuano, Punitaqui, Tulahuen and Vicuna; (V) at Alto de Carmen, Combarbala and Ovalle; (IV) at Copiapo, El Palqui, Freirina, Huasco, Illapel, Los Molles, Salamanca, Quillota, Quintero and Valparaiso; (II) at Santiago. Also felt (III) at San Juan and (II) at Mendoza, Argentina. |
| Aug 23 | 11.6N | 87.97W | 33 | 6.7 | Near coast of Nicaragua. Felt at Managua and along the Pacific coast of Nicaragua. | Sep 07 | 36.29S 97.76W 10 | 6.1 | West Chile Rise. |
| Aug 27 | 39.6S | 77.35E | 33 | 6.3 | Southern Xinjiang, China. Three people killed, 18,771 houses destroyed and 159 | Sep 14 | 51.7N 173.15W 33 | 6.2 | Andreanof Islands, Aleutian Is. Felt on Adak. |
| | | | | | | Sep 15 | 5.48S 151.63E 33 | 6.3 | New Britain region, P.N.G. |
| | | | | | | Sep 21 | 0.27N 122.49E 149 | 6.0 | Minahassa Peninsula, Sulawesi. |
| | | | | | | Sep 21 | 13.5S 166.76E 33 | 6.4 | Vanuatu Islands. |
| | | | | | | Sep 22 | 11.8N 143.06E 10 | 6.1 | South of Mariana Islands. |

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|--------|-------|---------|-----|-----|--|
| Sep 28 | 8.18S | 112.47E | 153 | 6.5 | Jawa, Indonesia. One person killed, 200 homeless, 38 buildings collapsed and 62 damaged in the Malang area. Felt in central and eastern Jawa. Also felt on Bali, Lombok and Sumbawa. |
| Oct 01 | 13.7N | 45.54W | 10 | 6.1 | Northern Mid-Atlantic Ridge. |
| Oct 03 | 28.5N | 127.55E | 226 | 6.1 | Northwest of Ryukyu Islands. |
| Oct 08 | 15.9S | 71.47W | 136 | 6.2 | Southern Peru. Light damage at Arequipa. Felt strongly in the Atico Mollendo-Ilo area. Landslides along the Pan-American Highway. |
| Oct 09 | 11.3N | 86.43W | 10 | 6.0 | Near coast of Nicaragua. Felt at Managua and in Carazo, Granada, Masaya, and Rivas Departments. Also felt in Guanacaste Province, Costa Rica. |
| Oct 10 | 0.37S | 119.78E | 33 | 6.1 | Minahassa Peninsula, Sulawesi. |
| Oct 10 | 0.41S | 119.74E | 33 | 6.0 | Minahassa Peninsula, Sulawesi. |
| Oct 11 | 56.7S | 142.32W | 10 | 6.3 | Pacific-Antarctic Ridge. |
| Oct 14 | 5.87S | 151.02E | 33 | 6.0 | New Britain region, P.N.G. |
| Oct 19 | 17.3S | 167.72E | 33 | 6.0 | Vanuatu Islands. |
| Oct 28 | 0.80N | 125.93E | 33 | 6.6 | Northern Molucca sea. Felt at Manado and Ternate, Indonesia. |

SIGNIFICANT NEW ZEALAND EARTHQUAKES August 1998 to October 1998.

The locations of these earthquakes are preliminary as final analyses have not been completed.

| Date | Lat. | Long. | Depth (km) | Mag. | |
|--------|-------|---------|------------|------|---|
| Aug 28 | 41.8S | 173.47E | 49 | 4.3 | 56 km south-west of Blenheim Felt in Wellington City. |
| Aug 29 | 39.5S | 173.57E | 12 | 4.7 | 25 km south-west of Cape Egmont Felt in New Plymouth. |
| Sep 02 | 37.3S | 177.57E | 135 | 5.4 | 41 km north-east of White Island Felt in Opotiki and Gisborne. |
| Sep 03 | 38.8S | 175.96E | 5 | 4.4 | 18 km south-west of Taupo Felt in Taupo |
| Oct 03 | 40.1S | 175.65E | 40 | 4.6 | 32 km north of Palmerston North |
| Oct 06 | 41.6S | 172.35E | 12 | 4.2 | 23 km north of Murchison Felt in Westport. |
| Oct 20 | 43.5S | 169.08E | 12 | 6.1 | 44 km north of Haast Felt widely in the lower South Island with some damage reported. |
| Oct 21 | 38.1S | 175.93E | 245 | 5.2 | 19 km NNE of Tokoroa Felt in Napier. |