UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

# PRELIMINARY DETERMINATION OF EPICENTERS
# MONTHLY LISTING

## OCTOBER - DECEMBER, 1987

NATIONAL EARTHQUAKE INFORMATION CENTER

Open File Report

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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards.

1988

# PRELIMINARY DETERMINATION OF EPICENTERS

## MONTHLY LISTING

## U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

## National Earthquake Information Center

### OCTOBER 1987

| KEY | DAY | ORIGIN TIME UTC HR | MN | SEC | GEOGRAPHIC COORDINATES LAT | | LONG | | DEPTH | | MAGNITUDES GS MB | Msz | SD | NO. STA USED | REGION, CONTRIBUTED MAGNITUDES AND COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 01 | 00 | 06 | 29.4• | 11.561 | S | 116.362 | E | 33 | N | 4.3 | | 1.0 | 7 | SOUTH OF SUMBAWA ISLAND |
| | 01 | 01 | 28 | 27.9• | 16.068 | N | 147.153 | E | 33 | N | 4.7 | | 1.0 | 18 | MARIANA ISLANDS REGION |
| | 01 | 03 | 07 | 29.5• | 16.792 | S | 128.359 | E | 10 | G | | | 0.6 | 5 | WESTERN AUSTRALIA |
| | 01 | 03 | 16 | 28.8 | 49.659 | N | 155.954 | E | 48 | D | 5.0 | 4.3 | 0.9 | 102 | KURIL ISLANDS |
| | 01 | 03 | 24 | 52.4 | 54.468 | N | 162.248 | E | 33 | N | 4.8 | | 0.7 | 50 | NEAR EAST COAST OF KAMCHATKA |
| | 01 | 04 | 58 | 09.8 | 40.000 | N | 141.850 | E | 104 | | 4.4 | | 0.8 | 16 | HONSHU, JAPAN. Felt (II JMA) at Miyako, Hachinohe, Moriaka and Ofunata; (I JMA) at Ishinomaki. |
| | 01 | 05 | 42 | 42.8? | 14.92 | N | 95.29 | W | 33 | N | 4.8 | | 1.1 | 10 | OFF COAST OF OAXACA, MEXICO |
| | 01 | 05 | 51 | 34.6• | 13.050 | N | 88.741 | W | 84 | • | 4.8 | | 1.0 | 26 | EL SALVADOR |
| | 01 | 06 | 15 | 50.1 | 23.283 | S | 68.947 | W | 163 | ? | 4.2 | | 0.7 | 9 | NORTHERN CHILE |
| a | 01 | 07 | 29 | 24.9 | 11.389 | S | 166.147 | E | 76 | | 5.5 | | 0.9 | 136 | SANTA CRUZ ISLANDS. Ms 5.6 (BRK). |
| | 01 | 07 | 54 | 23.1• | 9.501 | S | 107.138 | E | 33 | N | 4.9 | | 1.0 | 8 | SOUTH OF JAVA |
| | 01 | 09 | 16 | 31.4& | 41.204 | N | 113.170 | W | 7 | | | | | 12 | UTAH. <SLC-P>. ML 3.2 (SLC). |
| | 01 | 10 | 01 | 40.3 | 22.164 | S | 67.374 | W | 200 | | 4.7 | | 1.3 | 25 | CHILE-BOLIVIA BORDER REGION |
| | 01 | 10 | 50 | 11.0 | 15.560 | N | 94.572 | W | 49 | • | 4.5 | | 0.7 | 21 | NEAR COAST OF OAXACA, MEXICO |
| a | 01 | 13 | 18 | 45.5 | 65.114 | S | 177.537 | E | 10 | G | 5.0 | 5.0 | 1.2 | 28 | BALLENY ISLANDS REGION |
| | 01 | 13 | 38 | 32.8& | 57.756 | N | 154.405 | W | 45 | | | | | 31 | KODIAK ISLAND REGION. <AGS-P>. |
| f | 01 | 14 | 42 | 20.0& | 34.060 | N | 118.080 | W | 10 | | 5.8 | 5.7 | | 292 | SOUTHERN CALIFORNIA. <PAS-P>. ML 5.9 (PAS), 6.1 (BRK). Eight people killed, many injured, about 2,200 homeless and more than 10,400 buildings damaged in the Los Angeles-Whittier-Pasadena area. The earthquake caused 358 million dollars in property damage. Maximum intensity (VIII) at Whittier. Felt strongly in much of southern California. Felt as far away as Las Vegas, Nevada. Depth 16.3 km. from broadband displacement seismograms. |
| | 01 | 14 | 43 | 04.3& | 34.070 | N | 118.080 | W | 9 | | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 14 | 45 | 41.4& | 34.050 | N | 118.100 | W | 14 | | | | | 8 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.6 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 14 | 48 | 03.1& | 34.080 | N | 118.090 | W | 12 | | | | | 11 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.1 (PAS). Felt in Las Angeles and Orange Counties. |
| | 01 | 14 | 49 | 05.9& | 34.060 | N | 118.100 | W | 12 | | | | | 14 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.7 (PAS), 4.9 (BRK). Felt in Las Angeles and Orange Counties. |
| | 01 | 14 | 49 | 46.4& | 62.230 | N | 151.290 | W | 120 | | | | | 27 | CENTRAL ALASKA. <AGS-P>. |
| | 01 | 14 | 51 | 29.2& | 34.070 | N | 118.080 | W | 12 | | | | | 6 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 15 | 07 | 45.2 | 5.358 | N | 126.282 | E | 98 | • | 4.9 | | 1.0 | 50 | MINDANAO, PHILIPPINE ISLANDS |
| | 01 | 15 | 08 | 07.6& | 34.040 | N | 118.080 | W | 9 | | | | | 15 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 15 | 10 | 44.1• | 39.509 | N | 20.699 | E | 10 | G | | | 0.8 | 6 | GREECE-ALBANIA BORDER REGION. MD 3.5 (ATH). |
| | 01 | 15 | 12 | 31.7& | 34.050 | N | 118.090 | W | 11 | | 4.6 | | | 53 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.7 (PAS), 4.8 (BRK). Felt in Las Angeles and Orange Counties. |
| | 01 | 15 | 13 | 59.3& | 34.050 | N | 118.100 | W | 10 | | | | | 3 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| | 01 | 15 | 14 | 51.6& | 34.110 | N | 118.040 | W | 10 | | | | | 2 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 15 | 17 | 46.6& | 34.050 | N | 118.090 | W | 12 | | | | | 14 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 15 | 20 | 02.8& | 34.060 | N | 118.050 | W | 10 | | | | | 9 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). |
| | 01 | 15 | 22 | 21.3& | 34.040 | N | 118.080 | W | 11 | | | | | 16 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| | 01 | 15 | 29 | 47.2& | 34.060 | N | 118.090 | W | 10 | | | | | 9 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 15 | 54 | 36.9& | 34.070 | N | 118.090 | W | 11 | | | | | 11 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). |
| | 01 | 15 | 59 | 53.5& | 34.050 | N | 118.090 | W | 10 | | | | | 25 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 16 | 21 | 10.8& | 34.080 | N | 118.060 | W | 13 | | | | | 17 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 16 | 32 | 48.8 | 33.978 | N | 118.107 | W | 10 | G | | | 0.7 | 11 | SOUTHERN CALIFORNIA. ML 3.4 (NEIS). |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 01 | 16 | 33 | 33.1& | 34.040 | N | 118.090 | W | 12 | | | | 10 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| | 01 | 17 | 20 | 15.3& | 34.060 | N | 118.090 | W | 11 | | | | 23 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 17 | 26 | 14.3* | 54.693 | N | 161.745 | E | 33 | N | 4.9 | 0.8 | 18 | NEAR EAST COAST OF KAMCHATKA |
| | 01 | 17 | 47 | 26.2& | 34.040 | N | 118.090 | W | 11 | | | | 24 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 19 | 11 | 37.9& | 34.060 | N | 118.100 | W | 12 | | | | 21 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 20 | 40 | 20.6& | 34.080 | N | 118.060 | W | 13 | | | | 17 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). Felt in Los Angeles and Orange Counties. |
| | 01 | 20 | 54 | 38.5% | 46.858 | N | 7.754 | E | 10 | G | | 0.4 | 5 | SWITZERLAND |
| | 01 | 21 | 33 | 34.0% | 40.682 | N | 29.678 | E | 10 | G | | 0.5 | 9 | TURKEY |
| | 01 | 22 | 01 | 36.7* | 39.109 | N | 28.804 | E | 10 | G | | 1.1 | 6 | TURKEY |
| | 01 | 22 | 07 | 52.7& | 59.998 | N | 152.672 | W | 94 | | | | 26 | SOUTHERN ALASKA. <AGS-P>. |
| | 01 | 22 | 36 | 49.4* | 39.299 | N | 21.263 | E | 10 | G | | 0.6 | 5 | GREECE. ML 3.5 (ATH). |
| | 01 | 22 | 38 | 16.2* | 33.039 | S | 68.025 | W | 33 | N | 4.5 | 1.3 | 11 | MENDOZA PROVINCE, ARGENTINA |
| | 01 | 23 | 00 | 32.9? | 10.97 | S | 162.21 | E | 80 | ? | 4.0 | 0.4 | 7 | SOLOMON ISLANDS |
| | 01 | 23 | 31 | 56.7* | 51.088 | N | 5.859 | E | 10 | G | | 0.8 | 5 | NETHERLANDS |
| | 02 | 00 | 32 | 11.6 | 34.506 | N | 26.198 | E | 52 | * | 4.1 | 1.2 | 45 | CRETE. MD 4.0 (ATH). |
| | 02 | 02 | 28 | 26.1* | 28.868 | S | 66.937 | W | 163 | ? | | 1.0 | 9 | CATAMARCA PROVINCE, ARGENTINA |
| | 02 | 02 | 32 | 58.2* | 45.628 | N | 122.655 | W | 5 | G | | 0.4 | 6 | WASHINGTON-OREGON BORDER REGION. ML 3.0 (NEIS). Felt (IV) at Gresham, Oregon and (II) at Vancauver, Washington. Also felt at Portland, Oregan. |
| | 02 | 02 | 35 | 15.1 | 16.265 | S | 71.669 | W | 134 | | 4.7 | 1.2 | 41 | SOUTHERN PERU. Felt (II) at Arequipa. |
| | 02 | 02 | 42 | 19.2& | 34.050 | N | 118.070 | W | 11 | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). |
| | 02 | 03 | 45 | 14.5? | 8.03 | S | 127.60 | E | 146 | ? | 3.9 | 1.3 | 6 | TIMOR |
| | 02 | 04 | 12 | 51.1? | 39.13 | N | 29.08 | E | 5 | G | | 1.4 | 5 | TURKEY |
| | 02 | 04 | 34 | 13.7? | 51.50 | N | 179.28 | E | 33 | N | 4.5 | 0.9 | 7 | RAT ISLANDS, ALEUTIAN ISLANDS |
| | 02 | 05 | 27 | 28.8% | 36.967 | N | 3.714 | W | 5 | G | | 1.1 | 5 | STRAIT OF GIBRALTAR. MG 2.6 (MDD). |
| | 02 | 06 | 08 | 36.6 | 40.701 | N | 30.174 | E | 24 | | | 1.2 | 13 | TURKEY |
| | 02 | 06 | 53 | 02.1* | 33.003 | S | 72.406 | W | 10 | G | | 1.1 | 15 | OFF COAST OF CENTRAL CHILE |
| a | 02 | 07 | 38 | 27.8 | 27.346 | N | 139.942 | E | 464 | D | 5.5 | 1.0 | 343 | BONIN ISLANDS REGION. Felt (II JMA) on Chichi-shima. |
| | 02 | 10 | 02 | 33.4* | 22.484 | S | 63.893 | W | 551 | ? | | 0.8 | 13 | SALTA PROVINCE, ARGENTINA |
| | 02 | 10 | 06 | 45.2? | 16.33 | S | 168.13 | E | 205 | * | 5.1 | 1.4 | 14 | VANUATU ISLANDS |
| | 02 | 11 | 11 | 54.5 | 37.071 | N | 115.747 | W | 5 | G | | 0.4 | 22 | SOUTHERN NEVADA. ML 3.5 (NEIS), 3.8 (PAS). |
| a | 02 | 11 | 27 | 08.1 | 0.896 | N | 28.453 | W | 10 | G | 5.0 4.7 | 1.1 | 55 | CENTRAL MID-ATLANTIC RIDGE |
| | 02 | 11 | 39 | 36.3? | 31.21 | N | 34.97 | E | 0 | G | | 1.1 | 6 | DEAD SEA REGION. Probable explosion. |
| | 02 | 12 | 24 | 14.7? | 31.64 | N | 35.95 | E | 0 | G | | 0.3 | 5 | DEAD SEA REGION. Probable explosion. |
| | 02 | 12 | 37 | 04.2& | 61.891 | N | 152.105 | W | 133 | | | | 32 | SOUTHERN ALASKA. <AGS-P>. |
| | 02 | 13 | 44 | 31.8? | 26.70 | S | 28.24 | E | 5 | G | | 0.6 | 5 | REPUBLIC OF SOUTH AFRICA. MG 3.8 (BUL). |
| | 02 | 14 | 35 | 48.9& | 41.561 | N | 112.433 | W | 7 | | | | 13 | UTAH. <SLC-P>. ML 3.5 (SLC). Felt (III) at Garland. Also felt at Golden Spike National Historic Site. |
| | 02 | 14 | 52 | 25.8 | 42.076 | N | 20.642 | E | 10 | G | | 1.2 | 20 | YUGOSLAVIA. ML 3.8 (SKO). MD 3.3 (TTG). |
| | 02 | 15 | 03 | 39.6 | 42.077 | N | 20.592 | E | 10 | G | | 1.1 | 12 | YUGOSLAVIA. ML 3.0 (SKO), 2.8 (TTG). |
| | 02 | 16 | 41 | 27.6 | 46.769 | N | 7.127 | E | 10 | G | | 1.2 | 23 | SWITZERLAND. ML 3.1 (LDG). |
| | 02 | 19 | 24 | 11.0? | 30.44 | S | 179.08 | W | 349 | * | 4.1 | 1.0 | 10 | KERMADEC ISLANDS REGION |
| | 02 | 20 | 15 | 48.2* | 15.221 | S | 173.485 | W | 33 | N | 5.0 4.2 | 0.9 | 36 | TONGA ISLANDS |
| | 02 | 20 | 27 | 54.5* | 27.071 | N | 102.169 | E | 33 | N | 4.3 | 1.0 | 5 | SICHUAN PROVINCE, CHINA |
| | 02 | 21 | 33 | 24.5& | 60.127 | N | 153.000 | W | 110 | | | | 18 | SOUTHERN ALASKA. <AGS-P>. |
| | 02 | 22 | 14 | 47.6 | 8.100 | S | 77.875 | W | 33 | N | 5.2 | 1.3 | 57 | PERU. Felt (III) at Trujillo. |
| a | 02 | 22 | 27 | 55.8 | 8.143 | S | 77.954 | W | 20 | * | 5.4 5.1 | 1.0 | 144 | PERU. Three people killed ond several homes damaged at Santiogo de Chuco. Felt (IV) at Trujilla and (III) at Chimbate. |
| | 02 | 23 | 31 | 58.1* | 5.269 | S | 154.338 | E | 135 | * | 4.4 | 0.8 | 13 | SOLOMON ISLANDS |
| | 03 | 00 | 21 | 05.4* | 43.238 | N | 147.781 | E | 38 | D | 4.9 | 1.2 | 29 | KURIL ISLANDS |
| | 03 | 00 | 42 | 43.2 | 37.893 | N | 72.610 | E | 117 | * | 4.9 | 1.1 | 34 | TAJIK SSR. Felt (III) at Khorog, Garm, Dzhirgotal, Kulyab and Obigarm; (II) at Dushanbe. |
| | 03 | 00 | 58 | 54.7* | 43.357 | N | 147.782 | E | 48 | D | 4.7 | 1.1 | 23 | KURIL ISLANDS |
| | 03 | 03 | 00 | 16.9 | 41.796 | N | 14.294 | E | 10 | G | | 1.1 | 23 | SOUTHERN ITALY |
| | 03 | 03 | 03 | 41.5& | 34.060 | N | 118.060 | W | 10 | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 03 | 03 | 12 | 08.1 | 43.459 | N | 20.642 | E | 5 | G | | 1.4 | 15 | YUGOSLAVIA. ML 2.6 (TTG). |
| a | 03 | 03 | 35 | 10.6 | 17.950 | S | 69.247 | W | 149 | | 5.8 | 1.0 | 297 | PERU-BOLIVIA BORDER REGION. mb 5.9 (BRK). Felt (V) at Arica, (IV) at Livilcar and (III) at Iquique, Chile. Felt (III) in the Arequipa-Tacna area, Peru. |
| | 03 | 05 | 11 | 04.9 | 43.420 | N | 20.680 | E | 10 | G | | 1.2 | 20 | YUGOSLAVIA. ML 3.0 (TTG). |
| | 03 | 06 | 33 | 34.0 | 16.933 | N | 61.198 | W | 33 | N | | 0.5 | 6 | LEEWARD ISLANDS. ML 3.0 (FDF). |
| | 03 | 07 | 07 | 24.1 | 63.898 | N | 148.508 | W | 33 | N | | 0.7 | 8 | CENTRAL ALASKA. ML 3.3 (PMR). |
| | 03 | 09 | 15 | 43.9 | 12.184 | N | 88.398 | W | 42 | | 4.9 | 1.0 | 62 | OFF COAST OF CENTRAL AMERICA |
| | 03 | 09 | 31 | 37.5* | 33.069 | S | 70.832 | W | 127 | * | | 1.0 | 18 | CHILE-ARGENTINA BORDER REGION. Felt (II) at Santiago, Chile. |
| | 03 | 10 | 07 | 11.4% | 16.958 | N | 61.545 | W | 10 | G | | 0.9 | 5 | LEEWARD ISLANDS. ML 2.9 (FDF). |
| f | 03 | 10 | 16 | 26.2 | 5.447 | S | 131.012 | E | 74 | G | 6.4 | 0.9 | 433 | BANDA SEA. Depth from broadbond displacement seismogroms. |
| a | 03 | 11 | 00 | 05.2 | 36.454 | N | 71.437 | E | 95 | G | 5.9 | 1.1 | 365 | AFGHANISTAN-USSR BORDER REGION. Felt (V) at Ishkoshim and Khorog, (IV) in the Dushonbe-Kulyab orea and (III) at Fergana, Samarkand and Toshkent, USSR. Felt in the Kabul area, Afghanistan and in the Chitral-Peshowar-Islamabad area, Pakiston. Depth from broadband displacement seismograms. |
| | 03 | 11 | 39 | 56.0* | 55.823 | S | 147.305 | E | 10 | G | 5.0 | 0.7 | 19 | WEST OF MACQUARIE ISLAND |
| | 03 | 11 | 40 | 11.1* | 6.817 | S | 129.843 | E | 145 | ? | 4.6 | 1.4 | 12 | BANDA SEA |
| | 03 | 14 | 23 | 09.2? | 14.79 | S | 166.78 | E | 33 | N | | 1.5 | 8 | VANUATU ISLANDS |
| | 03 | 15 | 14 | 57.4 | 47.605 | N | 56.227 | E | 0 | G | 5.2 | 1.1 | 156 | WESTERN KAZAKH SSR |
| | 03 | 15 | 21 | 19.1? | 6.23 | N | 126.72 | E | 33 | N | 3.6 | 1.4 | 9 | MINDANAO, PHILIPPINE ISLANDS |
| | 03 | 17 | 31 | 25.6* | 40.451 | N | 29.202 | E | 10 | G | | 1.3 | 7 | TURKEY |
| | 03 | 18 | 22 | 52.8* | 22.082 | N | 142.794 | E | 256 | ? | 4.7 | 1.0 | 26 | VOLCANO ISLANDS REGION |
| | 03 | 19 | 18 | 20.4* | 19.446 | N | 64.699 | W | 33 | N | | 0.4 | 10 | VIRGIN ISLANDS. ML 4.6 (FDF). |
| | 03 | 19 | 25 | 39.6& | 40.868 | N | 123.697 | W | 10 | | | | 51 | NORTHERN CALIFORNIA. <BRK>. ML 3.9 (BRK). Felt (IV) at Bayside, Blue Lake, Fortuna, Trinidad and Willow Creek. Felt (III) at Eureka and Salyer. |
| | 03 | 23 | 23 | 17.2& | 34.060 | N | 118.050 | W | 8 | | | | 9 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). Felt in Los Angeles and Orange Counties. |
| | 04 | 00 | 51 | 52.5 | 37.277 | N | 71.418 | E | 95 | * | 4.6 | 1.2 | 24 | AFGHANISTAN-USSR BORDER REGION. Felt (III) at Khorog, |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | Ishkashim, Kulyab, Garm and Komarau and (II) at Dushanbe, USSR. |
| | 04 | 01 09 30.0* | 7.141 | S | 129.438 | E | 160 ? | 4.2 | | 1.1 | 7 | BANDA SEA |
| | 04 | 01 14 14.7* | 10.319 | N | 86.496 | W | 33 N | 4.3 | | 0.6 | 11 | OFF COAST OF COSTA RICA. MD 4.3 (HDC). |
| | 04 | 02 25 01.8 | 58.353 | N | 1.584 | E | 5 G | | | 1.2 | 13 | NORTH SEA. ML 3.4 (BGS). MD 2.6 (BER). |
| | 04 | 02 39 36.0? | 51.55 | N | 175.71 | W | 33 N | 3.7 | | 1.6 | 6 | ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR). |
| a | 04 | 02 47 25.9 | 15.545 | N | 93.347 | W | 91 | 5.2 | | 1.0 | 129 | NEAR COAST OF CHIAPAS, MEXICO |
| | 04 | 02 54 48.7* | 10.406 | N | 86.312 | W | 33 N | | | 1.1 | 11 | OFF COAST OF COSTA RICA. MD 4.4 (HDC). |
| | 04 | 02 55 15.2? | 34.08 | N | 118.08 | W | 10 G | | | 0.2 | 4 | SOUTHERN CALIFORNIA. ML 3.1 (PAS). |
| | 04 | 03 04 39.0* | 39.058 | N | 74.956 | E | 10 G | 4.6 | | 1.1 | 7 | SOUTHERN XINJIANG, CHINA |
| | 04 | 04 54 08.1* | 41.878 | N | 20.601 | E | 10 G | | | 1.0 | 5 | ALBANIA. ML 2.5 (TTG), 2.9 (SKO). |
| a | 04 | 08 15 18.7 | 10.823 | N | 85.926 | W | 48 | 5.5 | 6.0 | 1.1 | 270 | COSTA RICA. Ms 6.2 (BRK), MD 5.7 (HDC). Felt (V) along the Pacific coast from Liberia to Quepas. Felt (III) in the Heredia-San Jose-Cartago area. |
| | 04 | 08 40 40.9* | 51.790 | N | 175.863 | E | 33 N | 4.6 | | 1.1 | 26 | RAT ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR). |
| o | 04 | 10 27 20.2 | 37.306 | N | 141.615 | E | 43 G | 5.8 | 5.0 | 1.0 | 331 | NEAR EAST COAST OF HONSHU, JAPAN. Felt (IV JMA) at Fukushima; (III JMA) at Onahama, Sendai, Utsunomiya and Ofunata; (II JMA) at Mita, Tokyo, Miyaka and Moriaka; (I JMA) at Yokahama, Tateyama, Ajira and Aomari. Also felt (I JMA) at Urakawa, Hakkaida. Depth from broadband displacement seismograms. |
| | 04 | 10 49 46.7 | 36.655 | N | 71.309 | E | 180 * | 4.5 | | 0.9 | 41 | AFGHANISTAN-USSR BORDER REGION |
| o | 04 | 10 59 38.1& | 34.070 | N | 118.100 | W | 8 | 5.2 | 4.8 | | 151 | SOUTHERN CALIFORNIA. <PAS-P>. ML 5.3 (PAS), 5.6 (BRK). One person died from a heart attack. Some injured and additional damage in the Pasadena-Alhambra-Whittier area. Felt from Venture County to San Diego to Palm Springs. |
| | 04 | 11 07 14.1 | 48.363 | N | 154.813 | E | 33 N | 4.8 | | 0.7 | 38 | KURIL ISLANDS |
| | 04 | 12 24 43.0 | 36.329 | N | 69.354 | E | 51 ? | 4.7 | | 1.3 | 19 | HINDU KUSH REGION |
| | 04 | 12 26 24.0 | 5.141 | S | 151.529 | E | 90 D | 5.4 | | 1.1 | 62 | NEW BRITAIN REGION |
| | 04 | 13 16 39.1? | 32.10 | S | 67.73 | W | 33 N | | | 1.4 | 6 | MENDOZA PROVINCE, ARGENTINA |
| | 04 | 14 05 52.4& | 34.080 | N | 118.110 | W | 11 | | | | 13 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt in Los Angeles and Orange Counties. |
| | 04 | 14 45 15.1 | 60.694 | N | 5.608 | E | 0 G | | | 0.5 | 6 | SOUTHERN NORWAY. MD 2.3 (BER). Probable explosion. |
| | 04 | 16 12 13.7 | 33.160 | N | 130.446 | E | 10 G | | | 1.1 | 9 | KYUSHU, JAPAN. Felt (II JMA) at Fukuoka, Honshu and (I JMA) at Kumomato. |
| | 04 | 16 55 45.9* | 18.750 | S | 167.650 | E | 33 N | 4.4 | 3.5 | 1.1 | 11 | VANUATU ISLANDS |
| | 04 | 17 05 53.0* | 41.027 | N | 20.057 | E | 10 G | | | 0.5 | 7 | ALBANIA. ML 2.5 (TTG). |
| | 04 | 17 38 23.3 | 41.563 | N | 112.492 | W | 5 G | | | 0.3 | 10 | UTAH. ML 3.5 (NEIS). |
| f | 04 | 18 34 22.6 | 55.585 | N | 161.623 | E | 54 G | 6.0 | 5.4 | 1.0 | 430 | NEAR EAST COAST OF KAMCHATKA. Ms 5.3 (BRK). Depth from broadband displacement seismagrams. |
| | 04 | 19 15 01.6* | 10.378 | N | 86.073 | W | 64 * | 4.4 | | 1.2 | 18 | OFF COAST OF COSTA RICA |
| | 04 | 21 05 00.3 | 5.927 | S | 130.252 | E | 193 * | 4.7 | | 1.2 | 19 | BANDA SEA |
| | 04 | 21 17 58.5? | 51.37 | N | 20.17 | E | 10 G | | | 1.1 | 7 | POLAND. ML 2.8 (KRA). |
| | 04 | 21 26 11.6 | 38.507 | N | 142.180 | E | 55 | 4.7 | 4.3 | 0.9 | 34 | NEAR EAST COAST OF HONSHU, JAPAN. Felt (III JMA) at Ofunoto; (II JMA) at Ishinomaki; (I JMA) at Miyoka. |
| a | 04 | 23 12 56.8* | 61.702 | S | 161.157 | E | 10 G | 5.2 | 4.5 | 0.9 | 21 | BALLENY ISLANDS REGION |
| | 05 | 00 16 55.6& | 62.100 | N | 151.820 | W | 95 | | | | 27 | CENTRAL ALASKA. <AGS-P>. |
| | 05 | 00 35 03.8 | 36.409 | N | 71.295 | E | 33 N | 4.3 | 4.0 | 0.7 | 11 | AFGHANISTAN-USSR BORDER REGION |
| | 05 | 00 38 32.5? | 6.37 | S | 147.88 | E | 33 N | 4.4 | | 1.0 | 13 | EAST PAPUA NEW GUINEA REGION. ML 4.5 (PMG). |
| | 05 | 00 50 04.7* | 23.820 | N | 142.893 | E | 33 N | 4.8 | | 1.1 | 23 | VOLCANO ISLANDS REGION |
| | 05 | 01 01 44.7* | 30.652 | S | 71.556 | W | 33 N | | | 1.5 | 14 | NEAR COAST OF CENTRAL CHILE |
| | 05 | 04 22 27.7% | 15.683 | N | 60.511 | W | 23 * | | | 0.2 | 10 | LEEWARD ISLANDS. ML 3.2 (FDF). |
| | 05 | 04 28 12.2* | 15.850 | S | 173.195 | W | 33 N | 4.8 | | 1.1 | 11 | TONGA ISLANDS |
| | 05 | 04 46 02.3 | 42.567 | N | 0.992 | E | 10 G | | | 0.2 | 10 | PYRENEES. ML 3.2 (LDG). |
| | 05 | 05 23 33.6? | 14.84 | N | 60.32 | W | 33 N | | | 0.4 | 7 | WINDWARD ISLANDS. ML 2.5 (FDF). |
| | 05 | 06 38 33.0 | 22.365 | N | 101.343 | E | 10 G | 4.1 | | 0.9 | 9 | BURMA-CHINA BORDER REGION |
| | 05 | 06 46 33.1% | 33.592 | S | 71.734 | W | 10 G | | | 0.6 | 9 | NEAR COAST OF CENTRAL CHILE |
| | 05 | 07 05 11.5& | 34.080 | N | 118.100 | W | 9 | | | | 19 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| | 05 | 09 23 42.0? | 30.70 | N | 36.02 | E | 0 G | | | 0.6 | 6 | DEAD SEA REGION. Probable explosion. |
| | 05 | 09 27 02.3 | 36.246 | N | 28.282 | E | 29 | 5.0 | | 1.3 | 245 | DODECANESE ISLANDS. ML 4.8 (CSS), 4.7 (ATH). Minor damage on Rhodes. |
| | 05 | 10 10 35.7* | 16.168 | N | 147.369 | E | 33 N | 4.2 | | 1.0 | 15 | MARIANA ISLANDS REGION |
| | 05 | 10 31 02.6 | 41.161 | N | 113.148 | W | 5 G | | | 0.6 | 13 | UTAH. ML 3.5 (NEIS). |
| | 05 | 11 33 25.6? | 30.66 | N | 36.04 | E | 0 G | | | 0.3 | 7 | DEAD SEA REGION. Probable explosion. |
| | 05 | 13 32 09.7? | 30.63 | S | 179.97 | W | 463 ? | 4.5 | | 0.8 | 12 | KERMADEC ISLANDS REGION |
| | 05 | 14 22 41.6* | 9.082 | S | 126.871 | E | 33 N | 4.0 | | 1.3 | 9 | TIMOR |
| | 05 | 14 34 41.6? | 10.76 | S | 127.10 | E | 33 N | | | 0.8 | 7 | TIMOR SEA |
| | 05 | 15 09 01.2? | 23.82 | S | 175.83 | W | 33 N | 5.0 | 4.7 | 1.3 | 14 | TONGA ISLANDS REGION |
| | 05 | 15 48 26.4% | 61.783 | N | 7.384 | E | 10 G | | | 0.6 | 6 | SOUTHERN NORWAY. MD 2.5 (BER). |
| | 05 | 16 09 20.5 | 45.631 | N | 26.492 | E | 159 | 3.6 | | 0.9 | 20 | ROMANIA |
| | 05 | 16 14 50.9% | 45.249 | N | 3.029 | E | 10 G | | | 1.4 | 10 | FRANCE. ML 2.9 (LDG). |
| | 05 | 16 24 20.5% | 16.732 | N | 60.624 | W | 10 G | | | 0.5 | 10 | LEEWARD ISLANDS. ML 3.2 (FDF). |
| | 05 | 16 40 56.4* | 39.207 | N | 9.205 | W | 5 G | | | 1.2 | 10 | PORTUGAL. MG 3.5 (MTH). Felt (IV) at Peniche, Caldas da Rainha and Bombarral. |
| | 05 | 16 42 31.0* | 34.180 | S | 66.408 | W | 33 N | | | 0.9 | 12 | SAN LUIS PROVINCE, ARGENTINA |
| | 05 | 17 05 59.9* | 5.705 | S | 150.998 | E | 73 ? | 4.3 | | 1.4 | 12 | NEW BRITAIN REGION |
| | 05 | 18 27 57.1& | 60.249 | N | 152.671 | W | 102 | | | | 25 | SOUTHERN ALASKA. <AGS-P>. |
| | 05 | 18 54 49.3? | 45.77 | N | 107.38 | W | 5 G | | | 0.3 | 8 | MONTANA. ML 3.4 (NEIS), 3.7 (BUT). Possible explosion. |
| a | 05 | 18 58 00.0 | 0.060 | S | 129.919 | E | 33 N | 5.4 | 4.9 | 1.2 | 101 | HALMAHERA |
| | 05 | 20 18 41.3 | 44.484 | N | 6.683 | E | 10 G | | | 0.6 | 16 | FRANCE. ML 2.9 (LDG). |
| | 05 | 22 41 33.3 | 1.851 | N | 126.558 | E | 90 * | 4.8 | | 1.1 | 62 | MOLUCCA PASSAGE |
| | 05 | 22 46 49.9& | 61.302 | N | 146.972 | W | 17 | | | | 40 | SOUTHERN ALASKA. <AGS-P>. ML 3.1 (PMR). |
| | 05 | 23 26 03.8 | 39.444 | N | 28.454 | E | 10 G | | | 1.2 | 9 | TURKEY |
| a | 06 | 00 50 51.9 | 18.711 | N | 145.016 | E | 514 D | 5.2 | | 0.9 | 162 | MARIANA ISLANDS |
| | 06 | 02 07 29.2 | 43.686 | N | 20.508 | E | 10 G | | | 1.1 | 17 | YUGOSLAVIA. ML 2.9 (TTG). Felt (V) in the Trstenik-Vrnjacka Banja-Kraljevo region. |
| | 06 | 02 31 46.4* | 6.666 | S | 130.252 | E | 104 ? | 4.9 | | 1.2 | 20 | BANDA SEA |
| | 06 | 03 38 13.4& | 62.035 | N | 148.797 | W | 41 | | | | 31 | CENTRAL ALASKA. <AGS-P>. |
| f | 06 | 04 19 06.0 | 17.940 | S | 172.225 | W | 16 G | 6.7 | 7.3 | 1.0 | 455 | TONGA ISLANDS REGION. Ms 7.3 (BRK), 7.2 (PAS). Felt at Nukualofa. Felt on American Samoa. Twenty-five cm. tsunami recorded at Paga Paga, American Samoa. Depth from broadband displacement seismograms. |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 06 | 05 | 37 | 00.8? | 17.42 | S | 172.52 | W | 38 | D | 4.7 | | 1.2 | 12 | TONGA ISLANDS REGION |
| | 06 | 05 | 55 | 46.9* | 32.087 | N | 35.747 | E | 0 | G | | | 1.0 | 5 | DEAD SEA REGION. Proboble explosion. |
| | 06 | 05 | 57 | 38.5? | 17.06 | S | 172.03 | W | 33 | N | | | 1.0 | 8 | TONGA ISLANDS REGION |
| | 06 | 08 | 45 | 58.5? | 18.01 | S | 172.26 | W | 33 | N | 4.7 | | 1.1 | 15 | TONGA ISLANDS REGION |
| | 06 | 10 | 40 | 36.7? | 45.71 | N | 26.42 | E | 102 | ? | | | 0.7 | 6 | ROMANIA |
| | 06 | 11 | 28 | 23.8 | 36.217 | N | 28.271 | E | 21 | | 4.5 | | 1.3 | 106 | DODECANESE ISLANDS. ML 4.7 (ATH). Felt on Rhodes. |
| | 06 | 11 | 31 | 19.6* | 36.407 | N | 28.104 | E | 33 | N | | | 1.2 | 8 | DODECANESE ISLANDS. ML 4.3 (ATH). |
| | 06 | 12 | 07 | 06.7 | 36.233 | N | 28.205 | E | 31 | | 4.4 | | 1.2 | 48 | DODECANESE ISLANDS. ML 4.6 (ATH). Felt on Rhodes. |
| | 06 | 13 | 06 | 20.3 | 43.435 | N | 88.549 | E | 32 | | 4.8 | 4.0 | 0.9 | 55 | NORTHERN XINJIANG, CHINA |
| | 06 | 13 | 55 | 42.6* | 31.293 | S | 67.935 | W | 10 | G | | | 1.3 | 8 | SAN JUAN PROVINCE, ARGENTINA |
| | 06 | 14 | 29 | 18.4 | 5.756 | N | 125.773 | E | 136 | * | 5.0 | | 1.2 | 57 | MINDANAO, PHILIPPINE ISLANDS |
| | 06 | 14 | 36 | 34.5* | 35.878 | N | 129.835 | E | 33 | N | 4.5 | | 1.1 | 8 | SOUTH KOREA |
| a | 06 | 14 | 39 | 53.0* | 36.092 | S | 101.166 | W | 10 | G | 5.2 | | 1.2 | 46 | SOUTHERN PACIFIC OCEAN |
| | 06 | 15 | 52 | 24.6* | 41.168 | S | 74.781 | W | 33 | N | 5.1 | 4.5 | 1.3 | 45 | OFF COAST OF SOUTHERN CHILE. Ms 5.5 (BRK). |
| | 06 | 16 | 02 | 41.5* | 17.760 | S | 172.529 | W | 33 | N | 4.9 | | 1.0 | 12 | TONGA ISLANDS REGION |
| a | 06 | 16 | 03 | 40.2 | 5.798 | S | 151.684 | E | 24 | | 5.4 | 4.9 | 1.1 | 61 | NEW BRITAIN REGION |
| | 06 | 16 | 08 | 38.3 | 22.092 | S | 179.524 | W | 568 | D | 5.2 | | 1.1 | 69 | SOUTH OF FIJI ISLANDS |
| | 06 | 16 | 30 | 25.9& | 38.828 | N | 122.798 | W | 1 | | | | | 13 | NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). |
| | 06 | 16 | 33 | 15.6* | 31.922 | N | 76.445 | E | 33 | N | 4.7 | | 1.4 | 11 | NORTHERN INDIA |
| | 06 | 16 | 53 | 39.0? | 17.82 | S | 173.02 | W | 33 | N | 5.0 | | 1.1 | 9 | TONGA ISLANDS |
| | 06 | 17 | 11 | 17.3* | 17.888 | S | 172.475 | W | 33 | N | 5.1 | | 1.4 | 39 | TONGA ISLANDS REGION |
| | 06 | 17 | 33 | 30.8? | 6.12 | S | 151.97 | E | 33 | N | | | 1.3 | 5 | NEW BRITAIN REGION |
| | 06 | 17 | 36 | 39.2 | 44.444 | N | 7.269 | E | 10 | G | | | 0.3 | 7 | NORTHERN ITALY. ML 2.6 (LDG). |
| | 06 | 18 | 17 | 33.6? | 2.43 | N | 99.86 | W | 10 | G | 4.5 | | 0.7 | 14 | WEST OF GALAPAGOS ISLANDS |
| | 06 | 18 | 26 | 03.1 | 38.991 | N | 23.672 | E | 8 | | | | 1.2 | 18 | GREECE. ML 3.2 (ATH). |
| | 06 | 19 | 26 | 55.9% | 46.465 | N | 3.000 | E | 10 | G | | | 0.9 | 13 | FRANCE. ML 3.0 (LDG). |
| f | 06 | 20 | 11 | 35.1 | 52.956 | N | 159.972 | E | 34 | G | 6.1 | 6.3 | 1.0 | 467 | OFF EAST COAST OF KAMCHATKA. Ms 5.8 (BRK), 5.7 (PAS). Felt (V) at Petropovlovsk-Kamchatskiy. Felt (II) at Severo-Kurilsk, Kuril Islands. Depth from broodband displacement seismograms. |
| | 06 | 20 | 18 | 34.8* | 52.995 | N | 159.866 | E | 33 | N | 5.3 | | 0.9 | 53 | OFF EAST COAST OF KAMCHATKA |
| | 06 | 20 | 46 | 00.4 | 36.273 | N | 28.284 | E | 33 | N | 4.4 | | 1.4 | 14 | DODECANESE ISLANDS. MD 3.8 (ATH). |
| | 06 | 21 | 25 | 51.2 | 36.267 | N | 28.254 | E | 20 | | 4.7 | | 0.9 | 21 | DODECANESE ISLANDS. ML 4.3 (ATH). |
| | 06 | 21 | 36 | 08.4? | 53.18 | N | 159.57 | E | 33 | N | 4.6 | | 0.3 | 8 | NEAR EAST COAST OF KAMCHATKA |
| | 06 | 21 | 52 | 58.8 | 41.766 | N | 14.239 | E | 10 | G | | | 1.0 | 8 | SOUTHERN ITALY. ML 3.2 (KBA). |
| | 06 | 22 | 01 | 59.4 | 6.502 | N | 126.888 | E | 192 | * | 5.1 | | 0.9 | 46 | MINDANAO, PHILIPPINE ISLANDS |
| | 06 | 22 | 18 | 17.5 | 29.856 | N | 90.484 | E | 10 | G | 5.0 | | 1.1 | 40 | TIBET |
| | 06 | 23 | 13 | 35.7 | 6.257 | S | 154.868 | E | 64 | | 5.2 | | 1.0 | 52 | SOLOMON ISLANDS. Felt (III) at Ponguno, Bougainville. |
| | 06 | 23 | 34 | 56.1% | 46.544 | N | 2.929 | E | 10 | G | | | 0.7 | 11 | FRANCE. ML 2.4 (LDG). |
| a | 07 | 00 | 51 | 36.6 | 22.845 | S | 68.030 | W | 106 | | 5.6 | | 0.9 | 234 | NORTHERN CHILE. Felt (IV) at Calama and (II) at Antofagasta. |
| | 07 | 02 | 14 | 09.1* | 18.406 | S | 172.154 | W | 33 | N | 4.4 | | 0.7 | 8 | TONGA ISLANDS REGION |
| | 07 | 02 | 18 | 59.4& | 60.702 | N | 152.283 | W | 114 | | 4.4 | | | 54 | SOUTHERN ALASKA. <AGS-P>. |
| | 07 | 02 | 58 | 37.0* | 24.413 | S | 67.162 | W | 207 | * | | | 0.7 | 8 | CHILE-ARGENTINA BORDER REGION |
| | 07 | 03 | 21 | 31.3* | 38.703 | N | 70.945 | E | 33 | N | 4.2 | | 1.3 | 7 | AFGHANISTAN-USSR BORDER REGION |
| | 07 | 04 | 32 | 52.6* | 40.384 | N | 29.390 | E | 10 | G | | | 1.4 | 5 | TURKEY |
| | 07 | 05 | 21 | 54.5 | 44.532 | N | 7.295 | E | 10 | G | | | 0.4 | 8 | NORTHERN ITALY. ML 2.9 (LDG). |
| a | 07 | 06 | 18 | 58.7 | 44.617 | N | 150.340 | E | 54 | D | 5.5 | | 1.0 | 239 | KURIL ISLANDS REGION |
| | 07 | 06 | 42 | 35.9 | 27.525 | N | 129.451 | E | 32 | D | 5.1 | | 1.1 | 44 | RYUKYU ISLANDS. Felt (I JMA) on Amami-o-shimo. |
| | 07 | 08 | 53 | 26.7* | 35.537 | N | 12.949 | E | 33 | N | 4.0 | | 0.9 | 23 | MEDITERRANEAN SEA. MD 3.5 (ROM). |
| | 07 | 10 | 04 | 29.6* | 36.109 | N | 11.517 | E | 10 | G | | | 0.8 | 15 | TUNISIA |
| | 07 | 10 | 14 | 28.1* | 6.163 | S | 147.657 | E | 61 | * | 4.3 | | 1.3 | 12 | EAST PAPUA NEW GUINEA REGION |
| | 07 | 10 | 30 | 22.8* | 8.561 | N | 83.062 | W | 10 | G | | | 0.4 | 9 | COSTA RICA. MD 4.1 (HDC). Felt (IV) in the epicentral area and (III) at Laurel and Golfito. |
| | 07 | 11 | 29 | 38.3? | 31.47 | N | 37.00 | E | 0 | G | | | 1.5 | 5 | JORDAN - SYRIA REGION. Proboble explosion. |
| | 07 | 12 | 04 | 00.2? | 18.58 | S | 167.98 | E | 33 | N | | | 1.4 | 5 | VANUATU ISLANDS |
| | 07 | 19 | 21 | 14.5* | 17.446 | S | 172.056 | W | 33 | N | 5.3 | | 1.0 | 26 | TONGA ISLANDS REGION |
| | 07 | 19 | 54 | 34.5 | 30.862 | N | 51.235 | E | 43 | | 4.9 | | 1.1 | 85 | IRAN. Felt at Boyer Ahmadi. |
| | 07 | 21 | 15 | 18.4 | 8.978 | N | 126.403 | E | 70 | * | 4.9 | | 1.2 | 49 | MINDANAO, PHILIPPINE ISLANDS |
| a | 07 | 22 | 29 | 24.5 | 6.223 | N | 37.814 | E | 10 | G | 5.3 | | 1.2 | 43 | ETHIOPIA |
| | 07 | 23 | 15 | 38.3* | 17.645 | S | 167.696 | E | 33 | N | 4.5 | | 1.5 | 8 | VANUATU ISLANDS |
| | 08 | 00 | 21 | 27.7% | 40.289 | N | 29.289 | E | 10 | G | | | 0.3 | 6 | TURKEY. Felt at Eskisehir. |
| | 08 | 01 | 27 | 12.4* | 20.840 | S | 69.064 | W | 33 | N | | | 0.6 | 7 | NORTHERN CHILE |
| | 08 | 02 | 15 | 41.5% | 40.423 | N | 29.326 | E | 10 | G | | | 0.5 | 7 | TURKEY |
| a | 08 | 02 | 30 | 42.7 | 43.431 | N | 142.174 | E | 182 | | 5.3 | | 0.8 | 237 | HOKKAIDO, JAPAN REGION. Felt (II JMA) at Kushiro; (I JMA) at Urakawa and Obihiro. Felt (I JMA) at Aomori, Hachinohe and Morioka, Honshu. |
| a | 08 | 03 | 20 | 45.7 | 19.599 | S | 173.111 | W | 40 | D | 6.2 | 6.1 | 1.2 | 276 | TONGA ISLANDS. Ms 5.9 (BRK), 5.8 (PAS). |
| | 08 | 04 | 23 | 32.0& | 33.989 | N | 116.642 | W | 6 | G | | | | 7 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt (V) at Palm Springs, (IV) at Forest Falls and (III) at Thousand Palms. Also felt at Banning, North Palm Springs and Yucca Valley. |
| | 08 | 04 | 42 | 13.7 | 52.884 | N | 160.025 | E | 33 | N | 5.2 | | 1.0 | 55 | OFF EAST COAST OF KAMCHATKA |
| | 08 | 04 | 42 | 44.1 | 46.765 | N | 7.167 | E | 5 | G | | | 0.7 | 18 | SWITZERLAND. ML 3.1 (LDG). |
| | 08 | 04 | 51 | 42.8? | 34.05 | S | 70.54 | W | 33 | N | | | 0.8 | 6 | CHILE-ARGENTINA BORDER REGION |
| | 08 | 06 | 19 | 17.5* | 73.720 | N | 118.630 | E | 10 | G | 4.7 | | 0.9 | 20 | NEAR COAST OF CENTRAL SIBERIA |
| | 08 | 07 | 06 | 34.9* | 0.276 | S | 123.205 | E | 151 | ? | 4.6 | | 0.9 | 13 | MINAHASSA PENINSULA |
| | 08 | 08 | 51 | 10.1 | 14.269 | N | 124.253 | E | 12 | | 5.0 | | 1.0 | 55 | LUZON, PHILIPPINE ISLANDS |
| | 08 | 10 | 48 | 14.7 | 55.798 | N | 160.711 | E | 130 | D | 4.5 | | 0.7 | 29 | KAMCHATKA |
| | 08 | 12 | 16 | 14.2 | 40.457 | N | 29.286 | E | 10 | G | | | 0.7 | 10 | TURKEY |
| | 08 | 12 | 23 | 43.3 | 46.392 | N | 13.442 | E | 10 | G | | | 1.3 | 12 | AUSTRIA. ML 2.5 (KBA), 2.7 (TRI). |
| a | 08 | 13 | 28 | 47.6 | 54.959 | N | 161.449 | W | 47 | D | 5.0 | | 1.0 | 94 | ALASKA PENINSULA. Felt (V) at Sand Point, (IV) at King Cove and (II) at False Pass. |
| | 08 | 15 | 09 | 46.0% | 40.528 | N | 29.247 | E | 10 | G | | | 1.2 | 5 | TURKEY |
| | 08 | 16 | 20 | 23.6& | 37.848 | N | 122.233 | W | 4 | | | | | 13 | CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt (IV) at Berkeley and Ookland. Also felt at El Sobronte and Piedmont. |
| | 08 | 19 | 07 | 15.4& | 59.894 | N | 152.299 | W | 72 | | | | | 27 | SOUTHERN ALASKA. <AGS-P>. |
| | 08 | 21 | 08 | 39.0* | 50.823 | N | 174.659 | W | 33 | N | 4.7 | | 0.4 | 8 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| | 08 | 23 | 29 | 31.4* | 32.417 | S | 69.198 | W | 10 | G | | | 1.5 | 7 | MENDOZA PROVINCE, ARGENTINA |
| | 09 | 00 | 02 | 08.1 | 44.606 | N | 7.072 | E | 5 | | | | 0.6 | 30 | NORTHERN ITALY. ML 3.1 (LDG). |
| | 09 | 01 | 02 | 02.6* | 1.217 | N | 27.811 | W | 10 | G | 4.8 | 4.6 | 0.7 | 9 | CENTRAL MID-ATLANTIC RIDGE |
| | 09 | 01 | 13 | 49.2 | 36.402 | N | 71.276 | E | 104 | * | 5.0 | | 1.1 | 40 | AFGHANISTAN-USSR BORDER REGION. Felt (III) at |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | Ishkashim, USSR. |
| | 09 | 01 | 29 | 32.4* | 29.064 | S | 69.263 | W | 227 | ? | | | 0.8 | 8 CHILE-ARGENTINA BORDER REGION |
| | 09 | 01 | 58 | 14.6% | 44.478 | N | 7.028 | E | 10 | G | | | 0.6 | 6 NORTHERN ITALY. ML 2.3 (LDG). |
| | 09 | 02 | 58 | 08.5* | 36.382 | N | 28.124 | E | 33 | N | | | 1.4 | 6 DODECANESE ISLANDS. MD 3.5 (ATH). |
| | 09 | 03 | 12 | 21.7* | 24.296 | S | 179.611 | E | 566 | ? | 4.6 | | 0.8 | 12 SOUTH OF FIJI ISLANDS |
| | 09 | 03 | 31 | 10.0 | 39.214 | N | 25.328 | E | 10 | G | | | 0.8 | 15 AEGEAN SEA. ML 3.4 (ATH). |
| | 09 | 03 | 49 | 17.6* | 5.470 | N | 35.998 | E | 10 | G | 4.7 | | 1.5 | 7 SUDAN |
| | 09 | 03 | 58 | 46.7 | 30.739 | S | 121.145 | E | 10 | G | 4.5 | | 1.2 | 15 WESTERN AUSTRALIA |
| | 09 | 05 | 10 | 11.5* | 3.568 | S | 145.157 | E | 33 | N | 4.5 | | 1.2 | 9 NEAR N COAST OF PAPUA NEW GUINEA |
| a | 09 | 05 | 38 | 00.1 | 3.692 | S | 140.046 | E | 21 | * | 5.2 | 4.9 | 1.0 | 51 WEST IRIAN |
| | 09 | 06 | 23 | 24.8* | 33.831 | N | 118.193 | W | 10 | G | | | 0.6 | 5 SOUTHERN CALIFORNIA. ML 3.0 (PAS). |
| | 09 | 06 | 54 | 54.1* | 40.450 | N | 29.116 | E | 10 | G | | | 0.9 | 6 TURKEY |
| | 09 | 07 | 12 | 20.1 | 45.627 | N | 26.626 | E | 158 | * | | | 0.9 | 28 ROMANIA |
| | 09 | 07 | 31 | 36.7& | 60.359 | N | 152.420 | W | 89 | | | | | 32 SOUTHERN ALASKA. <AGS-P>. |
| | 09 | 07 | 33 | 43.8& | 61.586 | N | 140.345 | W | 1 | | | | | 14 SOUTHERN YUKON TERRITORY, CANADA. <AGS-P>. |
| | 09 | 08 | 02 | 33.6 | 5.106 | S | 152.239 | E | 33 | N | 4.3 | | 0.9 | 11 NEW BRITAIN REGION |
| | 09 | 08 | 18 | 43.1* | 38.261 | N | 27.964 | E | 10 | G | | | 1.3 | 5 TURKEY |
| | 09 | 08 | 21 | 04.0% | 40.478 | N | 29.253 | E | 10 | G | | | 1.1 | 7 TURKEY |
| | 09 | 09 | 05 | 06.6& | 38.800 | N | 122.800 | W | 3 | | | | | 18 NORTHERN CALIFORNIA. <BRK>. ML 2.6 (BRK). |
| | 09 | 09 | 23 | 26.2% | 39.226 | N | 29.124 | E | 10 | G | | | 0.9 | 8 TURKEY |
| a | 09 | 10 | 17 | 38.9 | 7.871 | S | 105.256 | E | 30 | D | 5.5 | 5.3 | 1.2 | 141 JAVA |
| | 09 | 10 | 26 | 59.4* | 7.904 | S | 105.127 | E | 33 | N | 4.7 | | 1.0 | 11 JAVA |
| | 09 | 11 | 23 | 01.4 | 36.250 | N | 28.292 | E | 33 | N | 4.3 | | 1.4 | 42 DODECANESE ISLANDS. ML 4.4 (ATH), 3.8 (CSS). |
| | 09 | 11 | 28 | 51.4? | 30.76 | N | 36.05 | E | 0 | G | | | 0.6 | 6 DEAD SEA REGION. Probable explosian. |
| | 09 | 11 | 49 | 54.5? | 30.59 | N | 36.04 | E | 0 | G | | | 0.4 | 6 DEAD SEA REGION. Probable explosian. |
| | 09 | 12 | 09 | 40.2 | 36.278 | N | 28.292 | E | 33 | N | 4.5 | | 1.4 | 20 DODECANESE ISLANDS. ML 4.2 (ATH). |
| | 09 | 12 | 21 | 01.4* | 42.331 | N | 27.291 | E | 10 | G | | | 0.8 | 5 BULGARIA |
| | 09 | 12 | 32 | 16.1& | 60.844 | N | 149.940 | W | 60 | | | | | 40 KENAI PENINSULA, ALASKA. <AGS-P>. |
| | 09 | 12 | 51 | 00.5? | 38.91 | N | 29.41 | E | 10 | G | | | 1.5 | 6 TURKEY |
| | 09 | 13 | 33 | 57.7? | 16.83 | N | 60.73 | W | 33 | N | | | 0.3 | 7 LEEWARD ISLANDS. ML 3.0 (FDF). |
| | 09 | 14 | 09 | 26.1& | 37.492 | N | 119.387 | W | 14 | | | | | 19 CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt (II) at Ahwahnee. |
| | 09 | 16 | 01 | 07.1* | 33.493 | S | 72.403 | W | 33 | N | | | 1.1 | 12 OFF COAST OF CENTRAL CHILE |
| | 09 | 17 | 03 | 03.0? | 45.65 | N | 7.45 | E | 10 | G | | | 1.2 | 7 NORTHERN ITALY |
| | 09 | 18 | 04 | 04.4 | 22.951 | S | 66.678 | W | 211 | | 4.8 | | 1.3 | 47 JUJUY PROVINCE, ARGENTINA |
| | 09 | 18 | 06 | 11.3 | 36.047 | N | 140.336 | E | 80 | | 4.6 | | 1.2 | 25 NEAR EAST COAST OF HONSHU, JAPAN |
| | 09 | 18 | 13 | 07.7* | 19.743 | S | 68.680 | W | 180 | * | | | 1.1 | 11 CHILE-BOLIVIA BORDER REGION |
| | 09 | 20 | 10 | 55.1? | 33.48 | S | 72.42 | W | 33 | N | | | 0.7 | 8 OFF COAST OF CENTRAL CHILE |
| | 09 | 20 | 24 | 15.6* | 51.227 | N | 15.709 | E | 10 | G | | | 1.1 | 13 POLAND. ML 3.5 (VKA), 3.5 (GRF), 3.2 (KBA). |
| | 09 | 21 | 13 | 58.6% | 40.256 | N | 29.550 | E | 10 | G | | | 1.1 | 5 TURKEY |
| | 09 | 23 | 09 | 12.4 | 17.860 | S | 69.577 | W | 157 | | | | 0.9 | 16 PERU-BOLIVIA BORDER REGION |
| | 09 | 23 | 41 | 55.7* | 18.359 | S | 172.929 | W | 33 | N | 5.0 | | 1.1 | 37 TONGA ISLANDS REGION |
| | 10 | 00 | 04 | 26.5* | 36.759 | N | 71.060 | E | 137 | ? | 3.9 | | 1.0 | 9 AFGHANISTAN-USSR BORDER REGION |
| | 10 | 00 | 17 | 13.8* | 33.446 | S | 72.495 | W | 33 | N | | | 0.9 | 11 OFF COAST OF CENTRAL CHILE |
| | 10 | 00 | 22 | 37.9? | 33.42 | S | 72.63 | W | 33 | N | | | 0.4 | 8 OFF COAST OF CENTRAL CHILE |
| | 10 | 02 | 04 | 48.1* | 21.538 | N | 98.286 | E | 33 | N | 4.4 | | 0.9 | 6 BURMA |
| | 10 | 02 | 11 | 34.4? | 33.46 | S | 72.88 | W | 10 | G | | | 0.5 | 8 OFF COAST OF CENTRAL CHILE |
| | 10 | 02 | 12 | 33.3 | 39.056 | N | 25.870 | E | 10 | G | | | 1.2 | 14 AEGEAN SEA. ML 3.4 (ATH). |
| | 10 | 03 | 21 | 16.9* | 33.282 | S | 72.335 | W | 33 | N | | | 1.4 | 17 OFF COAST OF CENTRAL CHILE |
| | 10 | 03 | 48 | 03.1 | 8.452 | S | 74.238 | W | 160 | * | 4.6 | | 0.9 | 47 PERU-BRAZIL BORDER REGION. Felt (III) at Pucallpa, Peru. |
| | 10 | 04 | 28 | 45.3 | 6.826 | S | 147.652 | E | 64 | * | 4.8 | | 1.3 | 21 EAST PAPUA NEW GUINEA REGION |
| | 10 | 04 | 54 | 43.7? | 5.49 | N | 82.69 | W | 10 | G | | | 0.2 | 10 SOUTH OF PANAMA |
| | 10 | 05 | 38 | 22.4 | 44.195 | N | 12.156 | E | 10 | G | | | 0.9 | 9 NORTHERN ITALY. ML 3.1 (KBA). |
| | 10 | 08 | 46 | 54.2? | 43.10 | N | 5.97 | E | 10 | G | | | 0.9 | 5 NEAR SOUTH COAST OF FRANCE. ML 2.3 (LDG). |
| | 10 | 09 | 38 | 50.3* | 30.831 | N | 36.107 | E | 0 | G | | | 0.5 | 8 DEAD SEA REGION. Probable explosian. |
| | 10 | 10 | 20 | 37.1* | 33.320 | S | 72.296 | W | 33 | N | 3.7 | | 1.3 | 12 OFF COAST OF CENTRAL CHILE |
| | 10 | 10 | 39 | 39.6? | 33.42 | S | 72.22 | W | 10 | G | | | 0.3 | 8 OFF COAST OF CENTRAL CHILE |
| | 10 | 11 | 07 | 06.4? | 33.72 | S | 73.62 | W | 33 | N | | | 1.1 | 11 OFF COAST OF CENTRAL CHILE |
| | 10 | 11 | 10 | 26.3* | 33.461 | S | 72.519 | W | 33 | N | 4.0 | | 1.4 | 15 OFF COAST OF CENTRAL CHILE |
| | 10 | 11 | 17 | 24.4? | 33.41 | S | 72.44 | W | 33 | N | | | 1.2 | 5 OFF COAST OF CENTRAL CHILE |
| | 10 | 12 | 10 | 44.9* | 19.770 | S | 70.312 | W | 33 | N | | | 1.4 | 9 NEAR COAST OF NORTHERN CHILE |
| | 10 | 12 | 11 | 31.0? | 33.46 | S | 72.46 | W | 33 | N | | | 0.4 | 8 OFF COAST OF CENTRAL CHILE |
| | 10 | 12 | 13 | 38.7? | 33.53 | S | 72.48 | W | 33 | N | | | 0.6 | 7 OFF COAST OF CENTRAL CHILE |
| | 10 | 12 | 14 | 31.2* | 31.056 | N | 36.161 | E | 0 | G | | | 0.9 | 7 DEAD SEA REGION. Probable explosian. |
| | 10 | 12 | 35 | 48.4% | 55.862 | N | 4.328 | W | 5 | G | | | 0.6 | 11 UNITED KINGDOM. ML 2.3 (BGS). Felt (IV) at Renfrew, Erskine and Inchinnan. |
| | 10 | 13 | 39 | 37.3* | 6.207 | S | 154.445 | E | 32 | | 4.1 | | 0.5 | 13 SOLOMON ISLANDS |
| | 10 | 13 | 55 | 25.9% | 61.805 | N | 7.228 | E | 10 | G | | | 0.8 | 6 SOUTHERN NORWAY. MD 2.3 (BER). |
| a | 10 | 14 | 26 | 36.9 | 6.066 | S | 113.153 | E | 574 | | 5.9 | | 1.0 | 211 JAVA |
| | 10 | 15 | 58 | 49.1 | 5.296 | S | 153.161 | E | 49 | * | 4.6 | 4.3 | 1.2 | 40 NEW IRELAND REGION |
| | 10 | 17 | 32 | 00.7& | 37.400 | N | 121.700 | W | 5 | | | | | 13 CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). Ma=1.3*10**13 Nm (BRK). |
| | 10 | 18 | 36 | 04.6* | 5.667 | S | 145.444 | E | 33 | N | 3.1 | | 0.9 | 5 EAST PAPUA NEW GUINEA REGION |
| | 10 | 19 | 19 | 54.8? | 27.96 | N | 129.94 | E | 33 | N | 4.5 | | 1.1 | 9 RYUKYU ISLANDS. Felt (II JMA) on Amami-o-shima. |
| | 10 | 21 | 45 | 43.5* | 20.982 | S | 69.441 | W | 153 | * | | | 0.8 | 10 NORTHERN CHILE |
| | 10 | 23 | 26 | 18.0% | 40.056 | N | 29.399 | E | 10 | G | | | 0.4 | 5 TURKEY |
| | 10 | 23 | 41 | 24.2? | 18.51 | N | 145.58 | E | 229 | * | 4.0 | | 1.0 | 11 MARIANA ISLANDS |
| | 11 | 00 | 13 | 27.9* | 13.314 | S | 76.928 | W | 33 | N | | | 0.8 | 9 NEAR COAST OF PERU. Felt (III) at Canete. |
| | 11 | 00 | 24 | 14.8? | 25.96 | N | 109.92 | W | 10 | G | 4.4 | | 1.2 | 25 GULF OF CALIFORNIA |
| | 11 | 01 | 36 | 15.3? | 33.58 | S | 72.31 | W | 33 | N | | | 0.3 | 8 OFF COAST OF CENTRAL CHILE |
| | 11 | 01 | 40 | 41.5? | 33.62 | S | 72.11 | W | 33 | N | | | 0.4 | 8 OFF COAST OF CENTRAL CHILE |
| | 11 | 01 | 48 | 41.0* | 38.135 | N | 102.099 | E | 33 | N | | | 0.1 | 5 GANSU PROVINCE, CHINA. ML 4.0 (BJI). |
| | 11 | 02 | 23 | 24.4* | 5.459 | S | 131.248 | E | 33 | N | 4.9 | | 1.3 | 24 BANDA SEA |
| | 11 | 02 | 30 | 53.2 | 39.756 | N | 23.912 | E | 10 | G | | | 0.7 | 20 AEGEAN SEA. ML 3.2 (ATH). |
| | 11 | 03 | 09 | 48.3 | 40.701 | N | 29.018 | E | 10 | G | | | 0.8 | 20 TURKEY |
| | 11 | 03 | 40 | 20.7* | 10.336 | N | 126.236 | E | 57 | ? | 4.6 | | 1.5 | 17 PHILIPPINE ISLANDS REGION |
| | 11 | 04 | 33 | 25.0 | 21.406 | S | 69.173 | W | 151 | * | | | 1.1 | 12 NORTHERN CHILE |
| | 11 | 04 | 39 | 32.3& | 59.680 | N | 153.108 | W | 102 | | | | | 39 SOUTHERN ALASKA. <AGS-P>. |
| | 11 | 04 | 43 | 01.6* | 37.660 | N | 28.030 | E | 10 | G | | | 1.3 | 6 TURKEY |
| | 11 | 05 | 07 | 51.3? | 33.61 | S | 72.32 | W | 33 | N | | | 0.5 | 5 OFF COAST OF CENTRAL CHILE |
| | 11 | 06 | 27 | 00.2* | 42.479 | N | 141.931 | E | 33 | N | 4.5 | | 1.4 | 9 HOKKAIDO, JAPAN REGION. Felt (II JMA) at Urakawa. |
| | 11 | 07 | 43 | 28.7* | 10.289 | S | 117.868 | E | 33 | N | 3.4 | | 1.1 | 9 SOUTH OF SUMBAWA ISLAND |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11 | 08 | 05 | 45.2 | 24.638 | S | 70.520 | W | 66 | | 4.9 | | 1.2 | 50 | NEAR COAST OF NORTHERN CHILE |
| | 11 | 09 | 00 | 43.9 | 12.903 | S | 165.712 | E | 32 | ? | 5.1 | | 0.8 | 73 | SANTA CRUZ ISLANDS |
| | 11 | 09 | 08 | 01.4% | 40.739 | N | 29.056 | E | 13 | * | | | 1.1 | 6 | TURKEY |
| | 11 | 09 | 11 | 20.2* | 50.644 | N | 129.513 | W | 10 | G | 4.0 | | 1.3 | 20 | VANCOUVER ISLAND REGION |
| | 11 | 09 | 40 | 16.7* | 34.909 | S | 107.674 | W | 10 | G | 4.9 | 4.9 | 1.5 | 38 | EASTER ISLAND CORDILLERA |
| | 11 | 15 | 39 | 08.4* | 41.144 | N | 21.081 | E | 10 | G | | | 1.0 | 7 | YUGOSLAVIA. ML 2.8 (SKO). |
| | 11 | 17 | 08 | 23.3 | 71.099 | N | 6.104 | W | 10 | G | 4.4 | | 1.0 | 15 | JAN MAYEN ISLAND REGION |
| a | 11 | 18 | 02 | 50.7 | 35.004 | S | 179.685 | E | 33 | N | 5.5 | 5.4 | 1.4 | 84 | OFF E. COAST OF N. ISLAND, N.Z. Ms 5.5 (BRK). |
| | 11 | 18 | 28 | 02.8? | 40.93 | N | 142.53 | E | 33 | N | 4.4 | | 0.6 | 8 | NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Hachinahe. |
| | 11 | 18 | 49 | 13.9 | 36.367 | S | 73.034 | W | 23 | D | 5.3 | 4.4 | 1.1 | 101 | NEAR COAST OF CENTRAL CHILE. Felt (III) at Concepcian. |
| | 11 | 21 | 03 | 27.0? | 33.51 | S | 72.10 | W | 33 | N | | | 0.8 | 11 | OFF COAST OF CENTRAL CHILE |
| | 11 | 22 | 06 | 21.6* | 39.867 | N | 29.454 | E | 10 | G | | | 1.0 | 5 | TURKEY |
| | 11 | 22 | 19 | 56.9 | 47.180 | N | 9.515 | E | 10 | G | | | 1.4 | 8 | GERMANY |
| a | 11 | 22 | 45 | 48.4 | 6.382 | S | 146.662 | E | 115 | | 5.5 | | 1.0 | 122 | EAST PAPUA NEW GUINEA REGION |
| | 11 | 23 | 40 | 01.6% | 45.706 | N | 26.294 | E | 33 | N | | | 1.1 | 5 | ROMANIA |
| | 12 | 00 | 04 | 56.0? | 6.02 | S | 128.49 | E | 390 | * | 4.9 | | 0.8 | 10 | BANDA SEA |
| | 12 | 00 | 37 | 26.6% | 40.725 | N | 29.067 | E | 10 | G | | | 0.6 | 5 | TURKEY |
| | 12 | 00 | 38 | 29.8? | 29.90 | S | 68.56 | W | 33 | N | | | 1.1 | 5 | SAN JUAN PROVINCE, ARGENTINA |
| | 12 | 00 | 45 | 23.3& | 61.853 | N | 150.738 | W | 65 | | | | | 41 | SOUTHERN ALASKA. <AGS-P>. |
| | 12 | 02 | 44 | 08.0* | 36.214 | N | 28.217 | E | 10 | G | 4.6 | | 1.1 | 7 | DODECANESE ISLANDS. MD 3.8 (ATH). |
| | 12 | 05 | 30 | 47.8? | 25.71 | N | 110.03 | W | 10 | G | 4.3 | | 1.4 | 14 | GULF OF CALIFORNIA |
| | 12 | 05 | 43 | 13.6* | 3.326 | N | 128.484 | E | 33 | N | 4.9 | | 0.9 | 15 | NORTH OF HALMAHERA |
| | 12 | 06 | 03 | 43.5& | 62.413 | N | 150.465 | W | 80 | | | | | 35 | CENTRAL ALASKA. <AGS-P>. |
| | 12 | 06 | 29 | 12.7* | 36.591 | N | 70.534 | E | 188 | ? | 4.3 | | 0.6 | 10 | HINDU KUSH REGION |
| | 12 | 08 | 06 | 13.8 | 34.969 | N | 22.952 | E | 10 | G | 4.4 | | 1.1 | 29 | MEDITERRANEAN SEA. ML 4.0 (ATH). |
| | 12 | 08 | 14 | 43.6? | 25.69 | N | 109.83 | W | 10 | G | 4.3 | | 0.6 | 9 | GULF OF CALIFORNIA |
| | 12 | 10 | 24 | 47.6 | 7.393 | S | 119.987 | E | 630 | * | 4.8 | | 1.0 | 26 | FLORES SEA |
| | 12 | 10 | 43 | 09.6 | 5.691 | S | 103.914 | E | 33 | N | 5.0 | | 1.1 | 55 | SOUTHERN SUMATERA |
| | 12 | 10 | 58 | 39.7 | 31.121 | N | 35.916 | E | 0 | G | | | 0.7 | 7 | DEAD SEA REGION. Probable explosion. |
| | 12 | 11 | 16 | 54.4% | 40.784 | N | 29.057 | E | 10 | G | | | 0.8 | 6 | TURKEY |
| | 12 | 11 | 20 | 36.1* | 59.015 | S | 25.379 | W | 33 | N | 4.7 | 3.6 | 1.3 | 19 | SOUTH SANDWICH ISLANDS REGION |
| | 12 | 11 | 51 | 03.6* | 5.611 | S | 131.011 | E | 79 | ? | 4.8 | | 1.4 | 13 | BANDA SEA |
| | 12 | 12 | 33 | 10.2* | 10.855 | S | 124.861 | E | 33 | N | 4.6 | | 1.5 | 8 | TIMOR |
| a | 12 | 13 | 57 | 04.7 | 7.288 | S | 154.371 | E | 25 | | 6.3 | 6.8 | 1.1 | 363 | SOLOMON ISLANDS. Ms 6.8 (BRK), 6.7 (PAS). Felt (V) at Arawa and Panguna, Bougoinville. Felt (III) at Raboul, New Britain. Eight cm. tsunomi recorded at Raboul. |
| | 12 | 14 | 09 | 48.2 | 7.141 | S | 154.361 | E | 18 | * | 5.5 | | 1.2 | 81 | SOLOMON ISLANDS |
| | 12 | 14 | 21 | 01.5 | 7.188 | S | 154.330 | E | 24 | | 5.3 | | 1.1 | 83 | SOLOMON ISLANDS |
| | 12 | 14 | 49 | 21.2 | 6.953 | S | 154.099 | E | 22 | | 4.8 | | 1.3 | 37 | SOLOMON ISLANDS |
| | 12 | 15 | 12 | 36.9& | 59.969 | N | 140.748 | W | 6 | | | | | 18 | SOUTHEASTERN ALASKA. <AGS-P>. |
| | 12 | 15 | 13 | 06.3 | 7.202 | S | 154.336 | E | 34 | | 5.0 | | 1.0 | 27 | SOLOMON ISLANDS |
| | 12 | 15 | 40 | 46.1 | 6.859 | S | 154.210 | E | 33 | N | 4.1 | | 1.1 | 10 | SOLOMON ISLANDS |
| | 12 | 16 | 04 | 05.5* | 7.129 | S | 154.370 | E | 32 | * | 3.8 | | 0.5 | 6 | SOLOMON ISLANDS |
| | 12 | 16 | 17 | 09.9* | 7.240 | S | 154.408 | E | 33 | N | 4.7 | | 1.2 | 12 | SOLOMON ISLANDS |
| | 12 | 17 | 02 | 56.0* | 37.942 | N | 70.613 | E | 33 | N | 4.1 | | 1.5 | 6 | AFGHANISTAN-USSR BORDER REGION |
| | 12 | 17 | 58 | 51.1* | 6.880 | S | 154.173 | E | 33 | N | 3.9 | | 1.3 | 9 | SOLOMON ISLANDS |
| | 12 | 18 | 45 | 11.3% | 16.230 | N | 60.692 | W | 30 | * | | | 0.5 | 9 | LEEWARD ISLANDS. ML 3.1 (FDF). |
| | 12 | 18 | 56 | 23.3 | 7.203 | S | 154.426 | E | 18 | ? | 4.7 | | 1.1 | 21 | SOLOMON ISLANDS |
| | 12 | 19 | 00 | 33.4* | 7.011 | S | 154.115 | E | 33 | N | 4.2 | | 1.5 | 11 | SOLOMON ISLANDS |
| | 12 | 19 | 12 | 12.1* | 47.556 | N | 15.528 | E | 0 | G | | | 0.8 | 6 | AUSTRIA. ML 2.9 (VKA), 2.6 (KBA). Felt at Kindberg. Possible explosion. |
| | 12 | 19 | 34 | 51.3 | 7.214 | S | 154.350 | E | 33 | N | 4.8 | | 1.1 | 26 | SOLOMON ISLANDS |
| | 12 | 19 | 35 | 34.1* | 50.743 | N | 6.674 | E | 10 | G | | | 0 3 | 6 | GERMANY |
| | 12 | 20 | 48 | 40.9 | 6.997 | S | 154.210 | E | 18 | | 4.7 | 3.9 | 1.1 | 27 | SOLOMON ISLANDS |
| | 12 | 21 | 41 | 37.5 | 41.368 | N | 139.125 | E | 22 | | 5.1 | | 1.1 | 83 | HOKKAIDO, JAPAN REGION |
| a | 12 | 22 | 09 | 46.8 | 32.499 | N | 137.795 | E | 361 | | 4.8 | | 0.9 | 121 | SOUTH OF HONSHU, JAPAN |
| | 12 | 22 | 22 | 26.6 | 7.196 | S | 154.281 | E | 13 | | 4.7 | 4.0 | 1.0 | 47 | SOLOMON ISLANDS |
| | 12 | 22 | 46 | 14.2 | 44.311 | N | 114.015 | W | 5 | G | | | 0.7 | 10 | WESTERN IDAHO. ML 3.7 (NEIS). Felt (III) at Clayton. |
| | 13 | 02 | 43 | 27.7 | 21.082 | S | 179.223 | W | 628 | | 4.5 | | 0.8 | 35 | FIJI ISLANDS REGION |
| | 13 | 04 | 25 | 32.1% | 40.714 | N | 29.043 | E | 10 | G | | | 0.5 | 7 | TURKEY |
| | 13 | 04 | 58 | 43.4% | 40.719 | N | 29.067 | E | 10 | G | | | 0.4 | 6 | TURKEY |
| | 13 | 05 | 36 | 22.8* | 18.419 | S | 167.019 | E | 33 | N | 4.7 | 4.0 | 1.4 | 23 | VANUATU ISLANDS |
| | 13 | 05 | 40 | 52.7* | 44.409 | N | 7.317 | E | 10 | G | | | 0.1 | 6 | NORTHERN ITALY. ML 2.2 (LDG). |
| a | 13 | 06 | 41 | 10.0 | 45.266 | N | 150.047 | E | 50 | * | 5.0 | 4.4 | 0.9 | 89 | KURIL ISLANDS |
| | 13 | 06 | 41 | 20.7* | 35.277 | N | 22.694 | E | 10 | G | 4.2 | | 1.3 | 11 | MEDITERRANEAN SEA. ML 4.0 (ATH). |
| | 13 | 07 | 08 | 02.0* | 27.987 | N | 54.526 | E | 33 | N | 4.3 | | 1.4 | 9 | SOUTHERN IRAN |
| | 13 | 08 | 30 | 19.5 | 38.772 | N | 24.793 | E | 10 | G | | | 1.1 | 8 | AEGEAN SEA. ML 3.2 (ATH). |
| | 13 | 09 | 38 | 40.3* | 7.333 | S | 154.495 | E | 17 | * | 4.7 | 3.7 | 1.2 | 17 | SOLOMON ISLANDS |
| | 13 | 09 | 58 | 29.6? | 5.36 | S | 147.89 | E | 33 | N | 3.7 | | 1.5 | 5 | EAST PAPUA NEW GUINEA REGION |
| | 13 | 10 | 40 | 39.5 | 7.157 | S | 154.242 | E | 33 | N | 4.6 | 3.5 | 1.3 | 37 | SOLOMON ISLANDS |
| | 13 | 11 | 38 | 01.9* | 3.662 | S | 149.336 | E | 33 | N | 4.5 | 3.8 | 1.5 | 15 | BISMARCK SEA |
| | 13 | 11 | 51 | 36.8 | 57.702 | S | 25.182 | W | 10 | G | 4.9 | | 0.8 | 40 | SOUTH SANDWICH ISLANDS REGION |
| | 13 | 12 | 25 | 31.2? | 31.47 | N | 35.97 | E | 0 | G | | | 1.0 | 5 | DEAD SEA REGION. Probable explosion. |
| | 13 | 13 | 06 | 43.9* | 12.686 | S | 77.003 | W | 33 | N | | | 1.1 | 5 | NEAR COAST OF PERU |
| | 13 | 13 | 10 | 06.3 | 42.772 | N | 19.167 | E | 0 | G | | | 0.3 | 8 | YUGOSLAVIA. ML 2.3 (TTG). Probable explosion. |
| a | 13 | 13 | 54 | 42.5 | 7.232 | S | 154.312 | E | 15 | | 5.7 | 5.2 | 1.1 | 210 | SOLOMON ISLANDS. Felt (II) at Arawa, Bougoinville. |
| | 13 | 14 | 14 | 30.2& | 37.248 | N | 121.670 | W | 3 | | | | | 12 | CENTRAL CALIFORNIA. <BRK>. ML 2.7 (BRK). Mo=1.0*10**13 Nm (BRK). |
| | 13 | 14 | 35 | 52.5* | 36.759 | N | 76.643 | E | 33 | N | 4.7 | 4.1 | 1.2 | 8 | KASHMIR-XINJIANG BORDER REGION |
| | 13 | 15 | 59 | 04.2& | 33.960 | N | 117.210 | W | 14 | | | | | 26 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). Felt (IV) at Carano, Fontano, Homelond, Lokeview, Moreno Valley, Murrieto, Riverside and Son Bernordino. |
| | 13 | 16 | 40 | 17.5& | 62.924 | N | 150.204 | W | 139 | | | | | 12 | CENTRAL ALASKA. <AGS-P>. |
| | 13 | 17 | 43 | 24.3* | 34.032 | S | 56.119 | E | 10 | G | 5.0 | | 0.9 | 21 | SOUTH INDIAN OCEAN |
| | 13 | 18 | 05 | 07.4% | 40.726 | N | 29.021 | E | 10 | G | | | 1.0 | 6 | TURKEY |
| | 13 | 18 | 34 | 14.6% | 42.356 | N | 19.248 | E | 10 | G | | | 1.0 | 6 | YUGOSLAVIA. ML 2.2 (TTG). |
| | 13 | 19 | 39 | 37.1? | 34.19 | S | 70.38 | W | 33 | N | | | 1.0 | 5 | CHILE-ARGENTINA BORDER REGION |
| | 13 | 19 | 47 | 09.2 | 9.327 | S | 40.903 | E | 10 | G | 4.9 | | 1.3 | 23 | NORTHWEST OF MADAGASCAR |
| a | 14 | 02 | 11 | 17.2 | 34.393 | S | 179.820 | E | 72 | | 5.6 | | 1.3 | 118 | SOUTH OF KERMADEC ISLANDS |
| | 14 | 02 | 48 | 39.8* | 9.760 | S | 109.650 | E | 33 | N | 4.0 | 4.1 | 1.4 | 9 | SOUTH OF JAVA |
| | 14 | 03 | 14 | 19.3? | 4.63 | S | 153.51 | E | 95 | ? | 4.0 | | 1.4 | 7 | NEW IRELAND REGION |
| | 14 | 03 | 54 | 05.3* | 33.980 | N | 25.128 | E | 64 | * | 4.1 | | 1.1 | 16 | EASTERN MEDITERRANEAN SEA |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 14 | 07 | 13 | 16.8? | 33.36 | S | 72.42 | W | 33 | N | | | 1.4 | 11 | OFF COAST OF CENTRAL CHILE |
| | 14 | 07 | 22 | 38.3* | 7.031 | S | 153.965 | E | 33 | N | 4.4 | | 1.2 | 9 | NEW BRITAIN REGION |
| a | 14 | 07 | 37 | 27.8 | 21.264 | N | 121.818 | E | 111 | | 5.2 | | 1.0 | 168 | TAIWAN REGION. mb 4.9 (BRK). |
| | 14 | 08 | 38 | 26.1 | 5.677 | N | 133.257 | E | 24 | | 5.7 | 5.1 | 1.1 | 141 | WEST CAROLINE ISLANDS |
| | 14 | 08 | 58 | 54.8% | 61.709 | N | 7.500 | E | 10 | G | | | 0.4 | 6 | SOUTHERN NORWAY. MD 2.7 (BER). |
| | 14 | 09 | 00 | 50.8 | 44.184 | N | 12.196 | E | 10 | G | | | 1.2 | 54 | NORTHERN ITALY. ML 4.2 (KBA), 3.8 (LDG), 3.6 (TRI). |
| | 14 | 09 | 26 | 49.9* | 44.172 | N | 12.206 | E | 10 | G | | | 0.2 | 5 | NORTHERN ITALY. MD 3.0 (TRI). ML 3.0 (KBA). |
| | 14 | 09 | 30 | 16.0 | 44.181 | N | 12.147 | E | 10 | G | | | 1.1 | 29 | NORTHERN ITALY. ML 3.5 (KBA), 3.1 (TRI). |
| | 14 | 09 | 49 | 36.5 | 39.629 | N | 25.569 | E | 23 | | | | 0.8 | 23 | AEGEAN SEA. ML 4.3 (ATH). |
| | 14 | 09 | 58 | 46.7? | 52.76 | N | 160.40 | E | 33 | N | 5.0 | 4.1 | 1.2 | 16 | OFF EAST COAST OF KAMCHATKA |
| a | 14 | 11 | 39 | 39.4 | 7.318 | S | 154.458 | E | 33 | N | 4.9 | 5.1 | 1.3 | 58 | SOLOMON ISLANDS |
| | 14 | 12 | 18 | 14.7 | 36.278 | N | 70.653 | E | 145 | * | 4.9 | | 1.1 | 53 | HINDU KUSH REGION. Felt (III) at Kharag, Dushanbe, Nurek and Lyangar; (II) at Tashkent, Dzhirgatal, Kangurt and Baldzhuan, USSR. |
| | 14 | 12 | 35 | 47.4? | 39.75 | N | 70.17 | E | 33 | N | 4.3 | | 1.2 | 7 | TAJIK SSR. Felt (III) at Fergana and (II) at Tashkent. |
| | 14 | 14 | 45 | 02.6* | 33.028 | N | 47.294 | E | 33 | N | 4.4 | | 1.2 | 7 | WESTERN IRAN |
| | 14 | 14 | 59 | 28.8 | 22.695 | S | 66.148 | W | 273 | | | | 0.8 | 13 | JUJUY PROVINCE, ARGENTINA |
| | 14 | 15 | 49 | 39.5 | 37.049 | N | 88.793 | W | 5 | G | | | 0.7 | 19 | SOUTHERN ILLINOIS. mbLg 3.8 (NEIS). Felt (V) at Paducah and West Paducah, Kentucky. Felt (IV) at Bandana, Burna, Hamptan, Hickary, Kevil, Lovelaceville, Lawes, Melber, Milburn and Symsania, Kentucky. Felt in parts of Kentucky, Illinois and Missouri. |
| a | 14 | 17 | 05 | 11.5 | 16.854 | N | 120.013 | E | 61 | | 5.2 | | 1.1 | 110 | LUZON, PHILIPPINE ISLANDS |
| | 14 | 18 | 26 | 34.9* | 7.225 | S | 154.322 | E | 29 | * | 4.4 | 4.9 | 1.6 | 27 | SOLOMON ISLANDS |
| | 14 | 18 | 29 | 46.7 | 40.270 | N | 27.394 | E | 10 | G | | | 0.8 | 11 | TURKEY |
| a | 14 | 19 | 05 | 59.9 | 13.359 | N | 89.624 | W | 75 | | 5.2 | | 1.1 | 217 | EL SALVADOR. Felt (IV) at San Salvador. |
| | 14 | 19 | 32 | 18.4* | 2.039 | N | 96.937 | E | 33 | N | 4.9 | | 0.8 | 9 | NORTHERN SUMATERA |
| | 14 | 20 | 13 | 42.7* | 46.996 | N | 152.679 | E | 33 | N | 4.8 | 4.3 | 1.1 | 18 | KURIL ISLANDS |
| | 14 | 20 | 58 | 01.9* | 47.397 | S | 12.335 | W | 10 | G | 4.9 | | 1.3 | 11 | SOUTH ATLANTIC RIDGE |
| | 14 | 20 | 58 | 54.0& | 37.480 | N | 119.370 | W | 6 | G | | | | 5 | CENTRAL CALIFORNIA. <PAS-P>. ML 3.0 (PAS). |
| | 14 | 21 | 35 | 04.7 | 22.268 | S | 67.482 | W | 197 | * | | | 0.8 | 9 | CHILE-BOLIVIA BORDER REGION |
| | 14 | 21 | 36 | 39.3& | 62.142 | N | 150.923 | W | 66 | | | | | 18 | CENTRAL ALASKA. <AGS-P>. |
| | 14 | 22 | 26 | 35.2 | 3.676 | N | 128.183 | E | 167 | * | 5.1 | | 1.0 | 84 | NORTH OF HALMAHERA |
| | 14 | 22 | 40 | 59.6* | 21.608 | S | 67.815 | W | 33 | N | | | 0.9 | 6 | CHILE-BOLIVIA BORDER REGION |
| | 14 | 23 | 00 | 21.6& | 37.500 | N | 119.300 | W | 13 | | | | | 18 | CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK), 3.2 (PAS). |
| a | 14 | 23 | 30 | 25.3 | 4.026 | N | 95.382 | E | 58 | | 5.1 | | 1.1 | 112 | NORTHERN SUMATERA |
| a | 15 | 01 | 06 | 01.3 | 6.306 | S | 129.317 | E | 33 | | 5.4 | 5.5 | 1.3 | 95 | BANDA SEA |
| | 15 | 01 | 38 | 37.4* | 20.487 | S | 68.941 | W | 33 | N | | | 1.1 | 7 | CHILE-BOLIVIA BORDER REGION |
| | 15 | 01 | 41 | 47.5? | 0.13 | S | 123.26 | E | 162 | ? | 4.8 | | 1.1 | 10 | MINAHASSA PENINSULA |
| | 15 | 02 | 09 | 50.8* | 50.951 | N | 15.870 | E | 10 | G | | | 1.1 | 7 | CZECHOSLOVAKIA. ML 3.2 (VKA), 3.1 (KBA). |
| | 15 | 02 | 57 | 30.7? | 7.13 | S | 132.78 | E | 33 | N | 4.3 | | 0.5 | 6 | TANIMBAR ISLANDS REGION |
| | 15 | 05 | 11 | 32.5 | 27.906 | N | 111.311 | W | 10 | G | 4.8 | 4.4 | 1.2 | 34 | GULF OF CALIFORNIA |
| | 15 | 06 | 07 | 34.1 | 15.169 | S | 175.463 | W | 323 | * | 5.1 | | 1.3 | 88 | TONGA ISLANDS |
| | 15 | 06 | 44 | 30.2 | 31.230 | S | 68.743 | W | 117 | * | 3.9 | | 1.0 | 19 | SAN JUAN PROVINCE, ARGENTINA |
| a | 15 | 07 | 27 | 01.6 | 51.822 | N | 175.350 | W | 64 | | 5.1 | | 1.0 | 137 | ANDREANOF ISLANDS, ALEUTIAN IS. Felt (IV) on Adak. |
| | 15 | 09 | 20 | 02.9& | 60.008 | N | 152.853 | W | 92 | | | | | 34 | SOUTHERN ALASKA. <AGS-P>. |
| | 15 | 10 | 54 | 33.8* | 44.472 | N | 98.599 | W | 5 | G | | | 1.1 | 9 | SOUTH DAKOTA. ML 3.0 (NEIS). Felt sauth of Wessingtan. |
| | 15 | 11 | 26 | 45.9% | 40.324 | N | 27.273 | E | 10 | G | | | 1.2 | 6 | TURKEY |
| | 15 | 14 | 08 | 18.5 | 1.238 | N | 122.864 | E | 32 | * | 5.1 | 4.1 | 1.3 | 47 | MINAHASSA PENINSULA |
| | 15 | 14 | 19 | 52.0& | 60.050 | N | 152.909 | W | 103 | | | | | 33 | SOUTHERN ALASKA. <AGS-P>. |
| | 15 | 15 | 46 | 34.4 | 40.738 | N | 29.077 | E | 10 | G | | | 1.2 | 9 | TURKEY |
| | 15 | 16 | 22 | 50.4 | 27.335 | N | 92.948 | E | 50 | * | 4.7 | | 1.5 | 28 | INDIA-CHINA BORDER REGION |
| | 15 | 16 | 37 | 57.1% | 40.712 | N | 29.053 | E | 10 | G | | | 0.4 | 5 | TURKEY |
| | 15 | 17 | 58 | 48.4 | 5.923 | S | 142.054 | E | 33 | N | 3.7 | | 1.1 | 8 | PAPUA NEW GUINEA |
| | 15 | 19 | 25 | 41.5 | 41.378 | N | 23.584 | E | 8 | | | | 0.9 | 11 | GREECE-BULGARIA BORDER REGION. ML 2.5 (SKO). |
| | 15 | 20 | 16 | 25.0& | 40.740 | N | 124.567 | W | 17 | | | | | 13 | NEAR COAST OF NORTHERN CALIF. <BRK>. ML 4.0 (BRK). Mo=3.9*10**14 Nm (BRK). Felt (IV) at Eureka. |
| | 15 | 20 | 26 | 45.6& | 59.080 | N | 153.872 | W | 101 | | | | | 32 | SOUTHERN ALASKA. <AGS-P>. |
| | 15 | 20 | 41 | 32.1* | 7.135 | S | 154.304 | E | 33 | N | 4.6 | | 1.1 | 13 | SOLOMON ISLANDS |
| | 15 | 21 | 13 | 08.2 | 39.911 | N | 24.369 | E | 11 | | | | 1.2 | 16 | AEGEAN SEA |
| | 15 | 22 | 01 | 59.8* | 22.310 | S | 67.388 | W | 195 | * | | | 0.9 | 9 | CHILE-BOLIVIA BORDER REGION |
| | 15 | 22 | 05 | 38.2? | 29.00 | N | 43.49 | W | 10 | G | 4.8 | | 0.6 | 10 | NORTH ATLANTIC RIDGE |
| | 16 | 01 | 11 | 16.0 | 37.739 | N | 20.688 | E | 49 | * | 4.2 | | 1.3 | 43 | IONIAN SEA |
| | 16 | 02 | 12 | 55.4* | 37.939 | N | 20.962 | E | 10 | G | | | 0.7 | 12 | IONIAN SEA. ML 3.4 (ATH). |
| | 16 | 02 | 19 | 27.6? | 19.16 | S | 68.49 | W | 33 | N | | | 0.9 | 5 | CHILE-BOLIVIA BORDER REGION |
| | 16 | 02 | 37 | 32.4? | 17.57 | S | 172.44 | W | 33 | N | 4.9 | | 1.6 | 6 | TONGA ISLANDS REGION |
| | 16 | 03 | 27 | 04.9? | 31.03 | S | 67.41 | W | 33 | N | | | 1.4 | 5 | SAN JUAN PROVINCE, ARGENTINA |
| | 16 | 04 | 50 | 51.8* | 31.563 | S | 68.168 | W | 98 | * | | | 1.3 | 14 | SAN JUAN PROVINCE, ARGENTINA |
| | 16 | 05 | 38 | 23.0? | 5.56 | S | 146.96 | E | 253 | * | 4.7 | | 1.1 | 9 | EAST PAPUA NEW GUINEA REGION |
| | 16 | 06 | 06 | 04.3* | 49.769 | N | 78.266 | E | 5 | G | 4.6 | | 0.6 | 10 | EASTERN KAZAKH SSR |
| | 16 | 06 | 38 | 34.0? | 42.96 | N | 18.27 | E | 10 | G | | | 0.6 | 5 | YUGOSLAVIA. ML 2.2 (TTG). |
| | 16 | 06 | 43 | 36.2& | 61.324 | N | 151.166 | W | 62 | | | | | 30 | SOUTHERN ALASKA. <AGS-P>. |
| | 16 | 06 | 53 | 13.6 | 21.663 | S | 69.290 | W | 102 | | 4.9 | | 1.2 | 84 | NORTHERN CHILE. Felt (IV) at Calama. |
| | 16 | 08 | 10 | 40.1 | 34.006 | N | 118.116 | W | 10 | G | | | 0.3 | 8 | SOUTHERN CALIFORNIA. ML 3.0 (NEIS). Felt at Whittier, Long Beach, Las Angeles and Mantebella. |
| | 16 | 09 | 50 | 43.2* | 5.367 | S | 154.471 | E | 33 | N | 4.2 | | 1.1 | 8 | SOLOMON ISLANDS |
| | 16 | 10 | 25 | 43.5 | 21.620 | S | 174.077 | W | 33 | N | 4.8 | | 0.8 | 15 | TONGA ISLANDS |
| a | 16 | 10 | 28 | 00.7 | 7.423 | S | 148.430 | E | 39 | | 5.4 | 4.5 | 1.1 | 71 | EAST PAPUA NEW GUINEA REGION |
| | 16 | 11 | 03 | 53.8 | 46.392 | N | 7.543 | E | 10 | G | | | 0.9 | 17 | SWITZERLAND. ML 2.7 (LDG). |
| | 16 | 11 | 19 | 38.7? | 25.88 | S | 113.20 | E | 10 | G | 4.2 | | 1.4 | 12 | WESTERN AUSTRALIA |
| | 16 | 11 | 28 | 42.0 | 37.058 | N | 22.088 | E | 70 | * | 4.1 | | 0.9 | 21 | SOUTHERN GREECE. MD 3.6 (ATH). |
| | 16 | 11 | 42 | 15.7* | 44.646 | N | 101.101 | E | 33 | N | 4.3 | | 1.4 | 18 | MONGOLIA |
| | 16 | 13 | 34 | 08.7 | 42.733 | N | 19.148 | E | 0 | G | | | 0.4 | 6 | YUGOSLAVIA. ML 2.2 (TTG). Prabable explasian. |
| | 16 | 15 | 33 | 32.1? | 32.56 | S | 68.33 | W | 33 | N | | | 1.2 | 5 | MENDOZA PROVINCE, ARGENTINA |
| | 16 | 16 | 42 | 53.3* | 7.020 | S | 154.115 | E | 15 | * | 4.7 | 3.6 | 1.1 | 14 | SOLOMON ISLANDS |
| | 16 | 17 | 50 | 50.4* | 3.354 | N | 128.543 | E | 33 | N | 4.3 | | 0.9 | 7 | NORTH OF HALMAHERA |
| | 16 | 18 | 30 | 51.3 | 44.201 | N | 82.841 | E | 56 | * | 4.7 | | 1.2 | 24 | NORTHERN XINJIANG, CHINA |
| | 16 | 19 | 08 | 17.6 | 6.362 | S | 149.315 | E | 47 | | 5.0 | | 1.1 | 38 | NEW BRITAIN REGION |
| | 16 | 19 | 24 | 40.0* | 6.667 | S | 149.110 | E | 62 | * | 4.2 | | 0.9 | 10 | NEW BRITAIN REGION |
| | 16 | 20 | 20 | 54.4 | 24.292 | S | 179.188 | E | 526 | * | 5.0 | | 0.9 | 44 | SOUTH OF FIJI ISLANDS |
| f | 16 | 20 | 48 | 01.6 | 6.266 | S | 149.060 | E | 48 | G | 5.9 | 7.4 | 1.2 | 345 | NEW BRITAIN REGION. Ms 7.7 (BRK), 7.0 (PAS). Damage (VIII) at Kandrian. Felt (V) at Kimbe and Haskins, (IV) at Bialla and (III) at Rabaul. Felt (V) at Finschhafen |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | and also felt at Port Moresby, New Guinea. Felt (IV) on Bougainville. Local tsunami generated with 30 meter runup reported at Kondrian. Thirteen cm. tsunami recorded at Rabaul. Multiple event. Depth from broadband displacement seismograms, based on first event. |
| | 16 | 21 | 40 | 42.9? | 6.42 | S | 149.15 | E | 59 | ? | 4.5 | | 1.0 | 10 | NEW BRITAIN REGION |
| | 16 | 22 | 27 | 42.1* | 6.529 | S | 149.253 | E | 57 | * | 4.9 | | 0.7 | 17 | NEW BRITAIN REGION |
| | 16 | 22 | 39 | 53.5? | 36.69 | N | 11.48 | W | 10 | G | | | 0.9 | 11 | NORTH ATLANTIC OCEAN. MG 3.3 (MDD). |
| | 16 | 22 | 48 | 00.0? | 6.20 | S | 149.57 | E | 33 | N | 4.5 | | 1.1 | 9 | NEW BRITAIN REGION |
| | 16 | 23 | 22 | 26.4* | 20.442 | S | 69.017 | W | 170 | ? | | | 1.1 | 7 | NORTHERN CHILE |
| | 16 | 23 | 38 | 32.6? | 6.30 | S | 149.63 | E | 33 | N | 4.4 | | 1.3 | 7 | NEW BRITAIN REGION |
| | 17 | 00 | 45 | 42.7 | 6.363 | S | 149.323 | E | 52 | * | 5.1 | | 1.1 | 30 | NEW BRITAIN REGION |
| | 17 | 01 | 13 | 44.9 | 36.423 | N | 70.043 | E | 222 | * | 4.8 | | 1.0 | 51 | HINDU KUSH REGION. Felt in the Kabul area, Afghanistan. Felt (III) at Dushanbe and Igran, USSR. |
| | 17 | 02 | 35 | 41.5* | 51.289 | N | 15.701 | E | 10 | G | | | 1.0 | 10 | POLAND. ML 3.4 (GRF), 3.4 (VKA), 3.1 (KBA). |
| | 17 | 02 | 54 | 15.4* | 6.453 | S | 149.377 | E | 33 | N | 4.2 | | 0.7 | 8 | NEW BRITAIN REGION |
| | 17 | 03 | 32 | 58.6* | 6.452 | S | 149.486 | E | 48 | ? | 4.4 | | 1.2 | 8 | NEW BRITAIN REGION |
| | 17 | 04 | 17 | 19.6* | 6.326 | S | 149.348 | E | 52 | * | 4.9 | | 1.1 | 20 | NEW BRITAIN REGION |
| | 17 | 06 | 00 | 42.6& | 59.682 | N | 153.499 | W | 108 | | | | | 35 | SOUTHERN ALASKA. <AGS-P>. |
| a | 17 | 06 | 37 | 29.8 | 56.058 | S | 27.209 | W | 95 | D | 5.6 | | 0.9 | 52 | SOUTH SANDWICH ISLANDS REGION |
| | 17 | 06 | 37 | 57.3* | 17.590 | S | 70.563 | W | 116 | ? | | | 1.4 | 9 | NEAR COAST OF PERU |
| | 17 | 07 | 19 | 31.8? | 33.14 | S | 72.60 | W | 33 | N | | | 0.5 | 8 | OFF COAST OF CENTRAL CHILE |
| | 17 | 07 | 43 | 38.2 | 6.369 | S | 149.429 | E | 43 | * | 4.9 | 4.6 | 1.2 | 35 | NEW BRITAIN REGION |
| a | 17 | 08 | 12 | 21.1 | 43.303 | N | 126.671 | W | 10 | G | 5.0 | 4.7 | 1.1 | 122 | OFF COAST OF OREGON. ML 4.5 (BRK). |
| | 17 | 08 | 32 | 37.2? | 5.74 | S | 147.36 | E | 203 | ? | 4.3 | | 1.3 | 8 | EAST PAPUA NEW GUINEA REGION |
| | 17 | 10 | 52 | 25.1 | 6.036 | S | 149.522 | E | 65 | * | 4.8 | | 1.1 | 22 | NEW BRITAIN REGION |
| | 17 | 10 | 54 | 31.0* | 62.874 | S | 165.135 | W | 10 | G | 4.4 | | 1.4 | 10 | SOUTH PACIFIC CORDILLERA |
| | 17 | 13 | 08 | 51.7* | 6.645 | S | 149.214 | E | 51 | * | 4.8 | 3.7 | 1.3 | 18 | NEW BRITAIN REGION |
| | 17 | 13 | 18 | 37.8 | 6.439 | N | 82.641 | W | 10 | G | 4.8 | | 1.0 | 14 | SOUTH OF PANAMA. MD 4.5 (HDC). |
| | 17 | 14 | 19 | 32.5* | 14.042 | N | 143.401 | E | 33 | N | 4.4 | | 0.7 | 8 | MARIANA ISLANDS REGION |
| | 17 | 14 | 36 | 55.5 | 9.583 | N | 122.761 | E | 51 | * | 4.8 | 3.9 | 1.1 | 48 | NEGROS, PHILIPPINE ISLANDS |
| | 17 | 15 | 26 | 53.1? | 6.33 | S | 149.47 | E | 33 | N | 4.4 | | 1.2 | 7 | NEW BRITAIN REGION |
| | 17 | 15 | 57 | 44.0? | 18.33 | S | 177.57 | W | 584 | * | 4.5 | | 0.7 | 19 | FIJI ISLANDS REGION |
| | 17 | 16 | 11 | 58.5* | 10.348 | N | 126.594 | E | 33 | N | 4.8 | | 1.1 | 11 | PHILIPPINE ISLANDS REGION |
| | 17 | 17 | 01 | 05.5? | 6.25 | S | 129.23 | E | 99 | ? | 4.2 | | 1.3 | 7 | BANDA SEA |
| | 17 | 17 | 10 | 45.7 | 21.324 | S | 66.665 | W | 242 | | 4.3 | | 1.3 | 32 | SOUTHERN BOLIVIA |
| | 17 | 17 | 35 | 24.5? | 7.05 | S | 148.91 | E | 33 | N | 4.5 | 3.9 | 1.4 | 11 | EAST PAPUA NEW GUINEA REGION |
| | 17 | 18 | 19 | 30.0* | 6.658 | S | 149.283 | E | 59 | ? | 4.9 | | 1.3 | 8 | NEW BRITAIN REGION |
| | 17 | 18 | 41 | 10.3 | 35.442 | N | 139.132 | E | 54 | | 5.1 | | 1.1 | 92 | NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Kawaguchi-ko; (II JMA) at Ajiro, Tokyo, Kumagaya and Utsunamiya; (I JMA) at Kofu, Tateyama, Maebashi, Yokohama and on Oshima. |
| | 17 | 18 | 51 | 29.5* | 53.992 | N | 164.072 | W | 33 | N | 4.7 | | 1.0 | 22 | UNIMAK ISLAND REGION |
| | 17 | 18 | 56 | 38.2* | 6.384 | S | 129.154 | E | 33 | N | 4.5 | | 1.5 | 8 | BANDA SEA |
| | 17 | 19 | 04 | 40.8* | 16.850 | S | 73.690 | W | 33 | N | | | 0.9 | 7 | NEAR COAST OF PERU |
| | 17 | 22 | 23 | 21.3* | 4.354 | S | 128.215 | E | 33 | N | 3.9 | | 1.2 | 6 | BANDA SEA |
| | 18 | 01 | 05 | 41.8 | 29.521 | N | 35.187 | E | 10 | G | | | 1.1 | 14 | WESTERN ARABIAN PENINSULA. ML 4.7 (JER). Felt at Elat, Israel and Aqaba, Jordan. |
| | 18 | 01 | 07 | 16.6* | 39.611 | N | 24.034 | E | 10 | G | | | 0.5 | 7 | AEGEAN SEA |
| | 18 | 01 | 30 | 11.0? | 57.83 | N | 5.05 | W | 10 | G | | | 0.3 | 4 | UNITED KINGDOM. ML 2.3 (BGS). |
| | 18 | 01 | 41 | 13.6% | 31.665 | N | 35.554 | E | 10 | G | | | 0.6 | 5 | DEAD SEA REGION |
| | 18 | 02 | 11 | 46.9* | 35.985 | N | 46.774 | E | 33 | N | 4.3 | | 1.4 | 8 | IRAN-IRAQ BORDER REGION. Felt at Baneh and Saqqez, Iran. |
| | 18 | 02 | 12 | 56.0* | 8.770 | S | 157.757 | E | 33 | N | 3.7 | | 1.0 | 6 | SOLOMON ISLANDS |
| | 18 | 02 | 28 | 46.4 | 31.257 | N | 35.562 | E | 10 | G | | | 0.3 | 10 | DEAD SEA REGION |
| | 18 | 02 | 38 | 00.0 | 24.778 | N | 123.284 | E | 107 | | 4.9 | | 1.3 | 37 | SOUTHWESTERN RYUKYU ISLANDS. Felt (II JMA) on Iriomote-jima. |
| | 18 | 02 | 48 | 56.2 | 13.474 | N | 89.549 | W | 55 | ? | 4.6 | 4.0 | 1.1 | 41 | EL SALVADOR |
| | 18 | 03 | 13 | 05.3 | 40.875 | N | 22.024 | E | 10 | G | | | 0.3 | 8 | GREECE. ML 1.6 (SKO). |
| | 18 | 03 | 13 | 51.7 | 36.276 | N | 69.597 | E | 47 | * | 4.8 | | 0.9 | 68 | HINDU KUSH REGION |
| | 18 | 03 | 52 | 20.0? | 6.35 | S | 149.50 | E | 33 | N | 4.1 | | 1.3 | 7 | NEW BRITAIN REGION |
| | 18 | 04 | 50 | 18.0 | 40.569 | N | 23.814 | E | 10 | G | | | 1.0 | 8 | GREECE. ML 2.4 (THE). |
| | 18 | 06 | 36 | 07.6 | 44.622 | N | 114.401 | W | 5 | G | | | 0.6 | 16 | WESTERN IDAHO. ML 3.7 (NEIS). |
| | 18 | 07 | 35 | 16.3 | 43.318 | N | 126.825 | W | 10 | G | | | 0.4 | 30 | OFF COAST OF OREGON. CL 3.3 (SEA). |
| | 18 | 09 | 22 | 49.3? | 36.13 | N | 22.11 | E | 33 | N | | | 0.6 | 5 | SOUTHERN GREECE. ML 3.9 (ATH). |
| | 18 | 09 | 39 | 16.4* | 13.704 | N | 144.490 | E | 136 | | 4.9 | | 0.9 | 30 | MARIANA ISLANDS. Felt (III) on Guam. |
| | 18 | 10 | 45 | 46.8 | 43.372 | N | 126.881 | W | 10 | G | | | 0.7 | 41 | OFF COAST OF OREGON. CL 3.2 (SEA). |
| | 18 | 13 | 06 | 49.1 | 50.664 | N | 129.604 | W | 10 | G | 4.4 | | 0.9 | 83 | VANCOUVER ISLAND REGION |
| | 18 | 13 | 19 | 49.5? | 17.55 | N | 66.69 | W | 33 | N | | | 0.7 | 7 | PUERTO RICO REGION |
| | 18 | 13 | 58 | 45.6& | 37.540 | N | 121.677 | W | 6 | | | | | 15 | CENTRAL CALIFORNIA. <BRK>. ML 2.9 (BRK). Mo=5.3*10**13 Nm (BRK). |
| | 18 | 14 | 23 | 50.9? | 6.19 | S | 149.40 | E | 33 | N | 4.0 | | 0.9 | 7 | NEW BRITAIN REGION |
| a | 18 | 14 | 24 | 48.1 | 6.552 | S | 149.226 | E | 40 | * | 5.1 | 4.8 | 1.3 | 57 | NEW BRITAIN REGION |
| | 18 | 14 | 45 | 36.8& | 36.500 | N | 121.200 | W | 8 | | | | | 13 | CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). |
| | 18 | 15 | 34 | 52.8? | 33.40 | S | 72.07 | W | 33 | N | | | 0.6 | 10 | OFF COAST OF CENTRAL CHILE |
| | 18 | 17 | 02 | 54.0* | 56.239 | S | 30.310 | W | 33 | N | 5.0 | | 1.1 | 10 | SOUTH SANDWICH ISLANDS REGION |
| | 18 | 17 | 39 | 28.4 | 5.562 | S | 153.971 | E | 10 | * | 4.7 | 4.0 | 1.3 | 36 | NEW IRELAND REGION |
| | 18 | 17 | 44 | 33.8 | 46.003 | N | 12.108 | E | 10 | G | | | 0.9 | 6 | NORTHERN ITALY. ML 2.4 (KBA). |
| | 18 | 18 | 02 | 50.9 | 37.040 | N | 20.905 | E | 39 | * | 4.1 | | 1.0 | 23 | IONIAN SEA. ML 3.5 (ATH). |
| | 18 | 19 | 26 | 37.6* | 43.230 | N | 26.533 | E | 10 | G | | | 1.3 | 6 | BULGARIA |
| | 18 | 19 | 27 | 25.1* | 6.428 | S | 149.160 | E | 24 | * | 4.9 | 4.4 | 1.3 | 23 | NEW BRITAIN REGION |
| | 18 | 20 | 12 | 32.1 | 39.430 | N | 22.328 | E | 33 | N | | | 0.5 | 10 | GREECE. ML 1.7 (THE). |
| | 18 | 20 | 58 | 36.4* | 7.505 | S | 128.486 | E | 169 | ? | 4.6 | | 1.1 | 8 | BANDA SEA |
| | 18 | 21 | 48 | 39.1? | 37.58 | N | 20.83 | E | 63 | * | 3.7 | | 1.1 | 16 | IONIAN SEA |
| | 18 | 22 | 06 | 39.0? | 47.91 | N | 7.41 | E | 10 | G | | | 0.3 | 5 | SWITZERLAND. ML 2.6 (LDG). |
| | 18 | 22 | 23 | 50.0 | 52.281 | N | 169.442 | W | 33 | N | 5.1 | | 1.0 | 98 | FOX ISLANDS, ALEUTIAN ISLANDS |
| | 18 | 22 | 37 | 14.3? | 31.48 | S | 69.58 | W | 151 | ? | | | 0.1 | 6 | SAN JUAN PROVINCE, ARGENTINA |
| | 18 | 23 | 19 | 44.2* | 3.240 | S | 130.178 | E | 33 | N | 4.4 | 3.7 | 1.1 | 9 | CERAM |
| | 18 | 23 | 56 | 10.0 | 37.586 | N | 20.419 | E | 40 | * | 4.4 | | 1.2 | 29 | IONIAN SEA. ML 4.0 (TTG), 3.8 (ATH). |
| | 19 | 00 | 20 | 13.9? | 22.08 | S | 171.96 | E | 33 | N | 4.8 | | 1.5 | 8 | LOYALTY ISLANDS REGION |
| | 19 | 00 | 38 | 23.7* | 1.672 | N | 127.050 | E | 117 | * | 4.6 | | 1.2 | 19 | HALMAHERA |
| | 19 | 02 | 00 | 12.1 | 27.080 | N | 128.799 | E | 50 | * | 4.8 | | 1.3 | 43 | RYUKYU ISLANDS |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19 | 02 | 47 | 19.1* | 41.366 | N | 23.065 | E | 10 | G | | | 0.9 | 7 | GREECE-BULGARIA BORDER REGION. ML 1.0 (SKO). |
| | 19 | 04 | 00 | 35.5 | 43.190 | N | 25.904 | E | 10 | G | | | 1.3 | 21 | BULGARIA |
| | 19 | 05 | 25 | 43.0? | 17.60 | N | 66.71 | W | 33 | N | | | 0.7 | 7 | PUERTO RICO REGION |
| | 19 | 05 | 34 | 09.4 | 59.757 | N | 6.681 | E | 10 | G | | | 0.7 | 9 | SOUTHERN NORWAY. MD 3.0 (BER). Felt in the epicentral area. |
| | 19 | 06 | 54 | 50.3 | 2.711 | S | 102.303 | E | 156 | | 4.9 | | 1.3 | 65 | SOUTHERN SUMATERA |
| | 19 | 07 | 17 | 09.7& | 39.664 | N | 111.427 | W | 0 | | | | | 25 | UTAH. <SLC-P>. ML 3.8 (SLC), 3.9 (NEIS). Felt (IV) at Fairview, (III) at Fountain Green, Mount Pleasant and Wales. |
| | 19 | 08 | 15 | 52.7 | 55.368 | N | 162.983 | E | 34 | D | 4.8 | 4.4 | 0.9 | 64 | NEAR EAST COAST OF KAMCHATKA |
| | 19 | 08 | 29 | 02.0* | 11.907 | S | 76.759 | W | 33 | N | | | 0.6 | 5 | PERU. Felt (III) at Chimbote. |
| | 19 | 09 | 56 | 03.0* | 6.487 | S | 149.341 | E | 54 | * | 4.7 | | 1.3 | 15 | NEW BRITAIN REGION |
| | 19 | 10 | 27 | 54.2? | 30.76 | S | 69.08 | W | 124 | ? | | | 1.5 | 9 | CHILE-ARGENTINA BORDER REGION |
| | 19 | 10 | 30 | 59.6? | 17.51 | N | 66.72 | W | 33 | N | | | 0.8 | 6 | PUERTO RICO REGION |
| | 19 | 11 | 58 | 42.1 | 30.867 | N | 36.040 | E | 0 | G | | | 0.6 | 9 | DEAD SEA REGION |
| | 19 | 12 | 09 | 30.9 | 41.513 | N | 20.184 | E | 10 | G | | | 1.0 | 8 | ALBANIA. ML 2.6 (TTG). |
| | 19 | 12 | 34 | 30.8? | 2.81 | S | 80.15 | W | 33 | N | 4.7 | | 1.4 | 9 | NEAR COAST OF ECUADOR. Felt (III) at Guayaquil and (I) at Quito. |
| | 19 | 12 | 53 | 00.4* | 4.827 | N | 122.762 | E | 516 | * | 4.8 | | 1.3 | 18 | CELEBES SEA |
| | 19 | 15 | 25 | 41.5& | 61.684 | N | 151.602 | W | 101 | | 4.0 | | | 36 | SOUTHERN ALASKA. <AGS-P>. |
| a | 19 | 15 | 32 | 58.8? | 54.09 | S | 137.26 | W | 10 | G | 4.9 | 5.0 | 1.3 | 11 | SOUTH PACIFIC CORDILLERA |
| | 19 | 18 | 02 | 19.2% | 37.759 | N | 3.366 | W | 10 | G | | | 1.3 | 5 | SPAIN. MG 2.8 (MDD). |
| | 19 | 18 | 06 | 21.3 | 38.800 | N | 23.321 | E | 22 | | | | 0.4 | 12 | GREECE. ML 2.9 (ATH). |
| | 19 | 18 | 14 | 36.8 | 38.808 | N | 23.348 | E | 10 | G | | | 0.5 | 12 | GREECE. ML 2.9 (ATH). |
| | 19 | 19 | 20 | 08.1 | 45.701 | N | 26.654 | E | 130 | | 4.1 | | 1.1 | 56 | ROMANIA |
| | 19 | 19 | 38 | 31.2* | 29.502 | N | 80.739 | E | 33 | N | | | 0.1 | 5 | NEPAL-INDIA BORDER REGION |
| | 19 | 19 | 48 | 55.1? | 32.14 | S | 71.46 | W | 33 | N | | | 1.2 | 13 | NEAR COAST OF CENTRAL CHILE |
| | 19 | 19 | 53 | 59.2* | 32.219 | S | 71.367 | W | 23 | | | | 0.3 | 11 | NEAR COAST OF CENTRAL CHILE |
| | 19 | 20 | 24 | 23.9* | 47.912 | N | 0.818 | W | 10 | G | | | 0.3 | 5 | FRANCE. ML 2.7 (LDG). |
| | 19 | 22 | 03 | 03.5 | 52.347 | N | 169.403 | W | 33 | N | 4.7 | | 1.1 | 50 | FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.1 (PMR). |
| | 20 | 00 | 33 | 26.5 | 46.272 | N | 12.705 | E | 10 | G | | | 1.0 | 58 | NORTHERN ITALY. ML 3.4 (FUR), 3.3 (VKA), 3.3 (LDG). MD 3.0 (TRI). |
| | 20 | 03 | 40 | 01.1 | 63.069 | N | 150.432 | W | 138 | ? | | | 0.5 | 10 | CENTRAL ALASKA |
| | 20 | 03 | 52 | 06.2 | 41.662 | N | 144.057 | E | 39 | | 5.0 | 4.9 | 1.1 | 77 | HOKKAIDO, JAPAN REGION. Felt (I JMA) at Kushiro, Obihiro and Urakawa. |
| | 20 | 05 | 32 | 40.4 | 34.010 | N | 118.086 | W | 10 | G | | | 0.6 | 7 | SOUTHERN CALIFORNIA. ML 3.2 (PAS). Felt in the Whittier area. |
| | 20 | 05 | 45 | 41.2& | 31.690 | N | 115.810 | W | 6 | G | | | | 5 | BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 20 | 09 | 14 | 16.2? | 59.74 | N | 4.90 | E | 10 | G | | | 0.2 | 5 | SOUTHERN NORWAY. MD 1.8 (BER). |
| a | 20 | 09 | 23 | 36.2 | 52.577 | N | 172.320 | E | 33 | N | 5.5 | 5.6 | 0.9 | 274 | NEAR ISLANDS, ALEUTIAN ISLANDS. ML 5.5 (PMR), Ms 5.4 (BRK). |
| | 20 | 09 | 33 | 26.8* | 52.780 | N | 172.201 | E | 33 | N | 4.8 | | 0.8 | 26 | NEAR ISLANDS, ALEUTIAN ISLANDS |
| | 20 | 10 | 31 | 39.2* | 39.264 | N | 27.701 | E | 10 | G | | | 0.2 | 5 | TURKEY |
| | 20 | 11 | 32 | 37.8 | 38.551 | N | 23.652 | E | 10 | G | | | 1.4 | 12 | GREECE. ML 3.4 (ATH). |
| | 20 | 12 | 11 | 49.8* | 21.045 | S | 178.992 | W | 612 | ? | 4.2 | | 0.7 | 24 | FIJI ISLANDS REGION |
| | 20 | 13 | 43 | 38.8 | 35.535 | N | 118.344 | W | 5 | G | | | 0.8 | 13 | CENTRAL CALIFORNIA. ML 3.5 (NEIS). |
| | 20 | 14 | 18 | 52.1 | 27.613 | N | 140.714 | E | 41 | * | 5.0 | | 1.2 | 70 | BONIN ISLANDS REGION. Felt (I JMA) on Chichi-shima. |
| | 20 | 14 | 54 | 30.4* | 44.066 | N | 18.251 | E | 10 | G | | | 1.3 | 14 | YUGOSLAVIA. ML 2.9 (TTG), 2.9 (KBA). Felt (VI) in the Breza-Visoko-Sarajevo area. |
| | 20 | 16 | 30 | 02.0% | 60.565 | N | 5.139 | E | 10 | G | | | 0.5 | 6 | SOUTHERN NORWAY. MD 1.8 (BER). |
| | 20 | 17 | 42 | 23.3* | 44.097 | N | 18.202 | E | 9 | | | | 1.3 | 13 | YUGOSLAVIA. ML 3.0 (TTG). Felt (VI) in the Visoko-Breza-Sarajevo area. |
| | 20 | 18 | 36 | 21.9& | 61.533 | N | 150.646 | W | 57 | | | | | 41 | SOUTHERN ALASKA. <AGS-P>. |
| a | 20 | 21 | 11 | 00.0 | 0.917 | N | 87.073 | W | 10 | G | 5.3 | 5.1 | 0.9 | 133 | GALAPAGOS ISLANDS REGION. Ms 5.0 (BRK). |
| | 20 | 21 | 35 | 57.5? | 61.72 | N | 4.30 | E | 10 | G | | | 0.2 | 5 | SOUTHERN NORWAY. MD 2.3 (BER). |
| | 20 | 21 | 59 | 44.8* | 5.152 | S | 153.549 | E | 34 | * | 4.3 | | 1.3 | 11 | NEW IRELAND REGION |
| | 20 | 22 | 04 | 53.0? | 6.82 | S | 149.16 | E | 33 | N | 4.6 | | 0.8 | 6 | NEW BRITAIN REGION. ML 4.5 (PMG). |
| | 20 | 22 | 29 | 04.2* | 19.063 | N | 65.197 | W | 22 | | | | 0.5 | 11 | PUERTO RICO REGION. Felt at Cayey and Caguas. |
| | 20 | 22 | 34 | 06.7? | 36.55 | N | 21.68 | E | 79 | ? | 4.0 | | 0.8 | 15 | SOUTHERN GREECE |
| | 21 | 00 | 49 | 00.6? | 45.47 | N | 3.68 | E | 10 | G | | | 0.3 | 4 | FRANCE. ML 2.3 (LDG). |
| | 21 | 01 | 32 | 34.3* | 44.458 | N | 11.303 | E | 10 | G | | | 0.6 | 5 | NORTHERN ITALY. ML 2.2 (KBA). |
| | 21 | 01 | 35 | 18.1? | 24.31 | N | 121.01 | E | 100 | * | 4.3 | | 1.4 | 11 | TAIWAN |
| | 21 | 01 | 56 | 25.7? | 31.62 | N | 35.35 | E | 10 | G | | | 0.2 | 5 | DEAD SEA REGION |
| | 21 | 02 | 02 | 42.1* | 21.645 | S | 67.716 | W | 33 | N | | | 0.6 | 6 | CHILE-BOLIVIA BORDER REGION |
| | 21 | 02 | 33 | 21.4? | 26.42 | S | 113.47 | E | 10 | G | | | 1.0 | 5 | WESTERN AUSTRALIA |
| | 21 | 02 | 52 | 07.0 | 18.893 | S | 168.828 | E | 106 | * | 4.8 | | 1.2 | 72 | VANUATU ISLANDS |
| | 21 | 03 | 01 | 52.7? | 6.68 | S | 149.38 | E | 82 | ? | 4.7 | | 0.6 | 5 | NEW BRITAIN REGION |
| | 21 | 04 | 22 | 53.1& | 62.316 | N | 151.163 | W | 84 | | | | | 34 | CENTRAL ALASKA. <AGS-P>. |
| | 21 | 04 | 46 | 10.3? | 33.19 | S | 72.43 | W | 33 | N | | | 0.6 | 10 | OFF COAST OF CENTRAL CHILE |
| a | 21 | 06 | 11 | 33.9 | 23.010 | S | 114.418 | W | 10 | G | 5.4 | 4.9 | 1.0 | 92 | EASTER ISLAND REGION. Ms 5.0 (BRK). |
| | 21 | 06 | 49 | 07.8% | 40.174 | N | 27.198 | E | 10 | G | | | 0.8 | 6 | TURKEY |
| | 21 | 07 | 15 | 14.7? | 37.63 | N | 21.48 | E | 33 | N | | | 1.2 | 5 | SOUTHERN GREECE. ML 3.3 (ATH). |
| a | 21 | 07 | 25 | 18.1 | 7.262 | S | 128.699 | E | 128 | D | 5.5 | | 1.0 | 236 | BANDA SEA |
| | 21 | 09 | 30 | 07.4? | 39.54 | N | 28.88 | E | 10 | G | | | 1.0 | 5 | TURKEY |
| | 21 | 09 | 37 | 31.4% | 33.330 | S | 71.318 | W | 33 | N | | | 0.1 | 10 | NEAR COAST OF CENTRAL CHILE |
| | 21 | 10 | 04 | 21.2 | 16.753 | N | 145.340 | E | 428 | | 4.5 | | 0.8 | 49 | MARIANA ISLANDS |
| | 21 | 11 | 38 | 01.5% | 39.759 | N | 26.563 | E | 10 | G | | | 0.9 | 5 | TURKEY |
| | 21 | 11 | 59 | 28.7% | 31.341 | N | 36.063 | E | 0 | G | | | 0.2 | 7 | DEAD SEA REGION. Probable explosion. |
| | 21 | 12 | 17 | 01.4 | 62.001 | N | 124.210 | W | 10 | G | 4.0 | | 1.1 | 9 | NORTHWEST TERRITORIES, CANADA |
| | 21 | 13 | 08 | 13.6& | 60.742 | N | 151.950 | W | 78 | | | | | 25 | KENAI PENINSULA, ALASKA. <AGS-P>. |
| | 21 | 13 | 32 | 08.4& | 60.094 | N | 153.189 | W | 114 | | | | | 20 | SOUTHERN ALASKA. <AGS-P>. |
| | 21 | 14 | 44 | 38.1? | 52.17 | N | 176.56 | W | 33 | N | | | 1.8 | 7 | ANDREANOF ISLANDS, ALEUTIAN IS. ML 3.3 (PMR). |
| | 21 | 15 | 29 | 19.5 | 43.537 | N | 17.452 | E | 10 | G | | | 1.1 | 27 | YUGOSLAVIA. MD 3.7 (KBA), 3.6 (TTG). |
| | 21 | 16 | 25 | 41.3% | 61.793 | N | 7.355 | E | 10 | G | | | 0.7 | 9 | SOUTHERN NORWAY. MD 2.6 (BER). |
| | 21 | 16 | 48 | 34.1* | 3.150 | S | 138.518 | E | 33 | N | 4.3 | 3.9 | 1.1 | 9 | WEST IRIAN |
| | 21 | 17 | 29 | 43.2% | 18.424 | N | 66.423 | W | 33 | N | | | 1.3 | 7 | PUERTO RICO REGION |
| a | 21 | 17 | 47 | 30.2 | 51.937 | N | 179.439 | E | 95 | D | 5.2 | | 1.0 | 155 | RAT ISLANDS, ALEUTIAN ISLANDS |
| | 21 | 18 | 12 | 44.0 | 38.368 | N | 21.993 | E | 10 | G | 4.0 | | 0.9 | 13 | GREECE. ML 3.2 (ATH). |
| | 21 | 18 | 18 | 26.9* | 31.656 | S | 71.531 | W | 117 | ? | 4.0 | | 1.1 | 16 | NEAR COAST OF CENTRAL CHILE |
| | 21 | 18 | 59 | 44.0* | 55.979 | S | 27.873 | W | 33 | N | 5.2 | | 1.4 | 14 | SOUTH SANDWICH ISLANDS REGION |
| | 21 | 21 | 04 | 34.4* | 5.033 | S | 133.588 | E | 33 | N | 4.2 | | 1.3 | 8 | AROE ISLANDS REGION |
| | 21 | 21 | 16 | 15.2* | 38.911 | N | 29.722 | E | 12 | | | | 1.5 | 8 | TURKEY |
| | 21 | 21 | 39 | 21.1* | 39.974 | N | 20.760 | E | 10 | G | | | 1.5 | 8 | GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH). |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 21 | 23 | 25 | 14.5? | 42.66 | N | 21.60 | E | 10 | G | | | 1.6 | 5 | YUGOSLAVIA |
| a | 21 | 23 | 25 | 51.8 | 21.049 | S | 69.871 | W | 74 | D | 5.3 | | 1.2 | 84 | NORTHERN CHILE |
| | 21 | 23 | 51 | 56.4* | 21.009 | S | 69.993 | W | 33 | N | | | 1.3 | 6 | NORTHERN CHILE |
| a | 22 | 00 | 04 | 33.3 | 26.021 | S | 71.245 | E | 10 | G | 4.9 | 5.4 | 1.1 | 29 | MID-INDIAN RISE |
| a | 22 | 00 | 21 | 19.9 | 5.729 | S | 104.239 | E | 23 | | 5.2 | 4.8 | 1.0 | 141 | SOUTHERN SUMATERA |
| | 22 | 00 | 28 | 19.6% | 46.797 | N | 0.427 | E | 10 | G | | | 0.3 | 5 | FRANCE. ML 2.4 (LDG). |
| | 22 | 00 | 32 | 05.4 | 49.353 | N | 128.885 | W | 10 | G | 4.6 | | 0.9 | 57 | VANCOUVER ISLAND REGION |
| | 22 | 00 | 42 | 06.5 | 5.729 | S | 104.183 | E | 48 | * | 5.0 | 5.3 | 1.1 | 59 | SOUTHERN SUMATERA |
| | 22 | 01 | 00 | 37.3? | 5.32 | S | 104.72 | E | 33 | N | 4.8 | | 1.6 | 14 | SOUTHERN SUMATERA |
| | 22 | 01 | 11 | 49.8? | 31.94 | N | 36.59 | E | 10 | G | | | 0.9 | 5 | DEAD SEA REGION |
| | 22 | 01 | 58 | 28.8* | 7.177 | S | 147.308 | E | 33 | N | 3.9 | | 1.2 | 5 | EAST PAPUA NEW GUINEA REGION |
| | 22 | 03 | 05 | 41.5? | 40.14 | N | 49.78 | E | 33 | N | 4.0 | | 0.9 | 7 | EASTERN CAUCASUS |
| | 22 | 03 | 48 | 00.3& | 37.805 | N | 121.743 | W | 7 | | 4.1 | | | 38 | CENTRAL CALIFORNIA. <BRK>. ML 4.4 (BRK). Mo=1.1*10**16 Nm (BRK). Felt (V) at Brentwood, Dublin, Livermore, San Ramon and Stockton; (IV) at Antioch, Byron, Canyon, Oakley and San Jose. Felt in Alameda, Contra Costa, Marin, San Francisco, San Joaquin and Santa Clara Counties. |
| | 22 | 04 | 20 | 28.6* | 17.682 | S | 167.794 | E | 42 | * | 4.5 | 4.1 | 1.2 | 11 | VANUATU ISLANDS |
| a | 22 | 04 | 58 | 53.9 | 29.702 | N | 130.697 | E | 22 | D | 5.1 | 5.3 | 1.3 | 93 | RYUKYU ISLANDS |
| | 22 | 07 | 00 | 19.6 | 37.233 | N | 28.569 | E | 10 | G | | | 1.3 | 13 | TURKEY |
| | 22 | 09 | 01 | 20.0 | 40.612 | N | 21.456 | E | 14 | | | | 0.7 | 13 | GREECE |
| | 22 | 09 | 26 | 38.3* | 23.443 | N | 121.736 | E | 33 | N | 4.2 | | 1.4 | 14 | TAIWAN |
| | 22 | 10 | 00 | 07.3? | 50.47 | N | 14.76 | E | 10 | G | | | 1.0 | 5 | CZECHOSLOVAKIA. ML 3.7 (VKA), 3.4 (KBA). |
| | 22 | 10 | 42 | 13.4* | 37.852 | N | 116.116 | W | 5 | G | | | 1.0 | 6 | SOUTHERN NEVADA. MD 2.3 (REN). |
| a | 22 | 12 | 12 | 13.5 | 26.350 | S | 175.417 | W | 35 | D | 5.4 | 5.0 | 1.1 | 109 | SOUTH OF TONGA ISLANDS |
| a | 22 | 13 | 10 | 33.5 | 20.131 | S | 173.639 | W | 33 | N | 5.2 | 4.7 | 1.2 | 89 | TONGA ISLANDS |
| | 22 | 13 | 32 | 39.3* | 39.786 | N | 21.887 | E | 10 | G | | | 0.5 | 6 | GREECE |
| | 22 | 13 | 40 | 07.8? | 40.35 | N | 124.05 | W | 5 | G | | | 0.2 | 5 | NEAR COAST OF NORTHERN CALIF. ML 2.6 (BRK). |
| | 22 | 13 | 48 | 33.0 | 2.426 | S | 139.382 | E | 33 | N | 4.8 | 4.4 | 1.4 | 37 | NEAR N. COAST OF WEST IRIAN |
| | 22 | 14 | 20 | 31.5 | 50.451 | N | 155.353 | E | 122 | D | 4.6 | | 0.8 | 85 | KURIL ISLANDS |
| | 22 | 14 | 24 | 39.4* | 6.730 | S | 145.528 | E | 33 | N | 4.5 | | 0.6 | 5 | PAPUA NEW GUINEA |
| | 22 | 14 | 54 | 34.0* | 39.031 | N | 30.052 | E | 10 | G | | | 1.4 | 8 | TURKEY |
| | 22 | 15 | 49 | 13.0 | 2.343 | N | 99.080 | E | 162 | | 4.4 | | 1.0 | 16 | NORTHERN SUMATERA |
| | 22 | 16 | 07 | 45.5& | 59.396 | N | 152.619 | W | 77 | | | | | 36 | SOUTHERN ALASKA. <AGS-P>. |
| | 22 | 16 | 17 | 36.0& | 62.238 | N | 151.356 | W | 111 | | | | | 23 | CENTRAL ALASKA. <AGS-P>. |
| a | 22 | 16 | 44 | 35.5 | 19.204 | S | 169.089 | E | 158 | | 5.2 | | 1.1 | 128 | VANUATU ISLANDS |
| | 22 | 17 | 03 | 29.9? | 43.03 | N | 0.45 | W | 10 | G | | | 1.2 | 5 | PYRENEES. MG 3.2 (MDD). |
| | 22 | 17 | 09 | 16.6% | 18.235 | N | 67.151 | W | 33 | N | | | 0.9 | 6 | MONA PASSAGE |
| | 22 | 17 | 52 | 17.5 | 34.650 | N | 26.286 | E | 39 | | 4.1 | | 1.2 | 74 | CRETE. ML 4.4 (ATH). |
| | 22 | 21 | 12 | 21.9* | 16.065 | S | 71.853 | W | 33 | N | 4.8 | | 0.8 | 8 | SOUTHERN PERU. Felt (III) at Arequipa. |
| | 22 | 21 | 13 | 41.2% | 30.762 | S | 121.197 | E | 10 | G | | | 1.0 | 6 | WESTERN AUSTRALIA |
| | 22 | 21 | 23 | 56.6? | 27.30 | N | 89.15 | E | 33 | N | | | 1.2 | 8 | BHUTAN |
| | 22 | 21 | 49 | 17.9* | 16.598 | S | 72.006 | W | 99 | ? | | | 1.0 | 9 | NEAR COAST OF PERU. Felt (III) at Arequipa. |
| a | 23 | 00 | 59 | 44.3 | 52.903 | N | 159.848 | E | 33 | N | 5.5 | 4.8 | 0.8 | 181 | OFF EAST COAST OF KAMCHATKA. Felt (IV) at Petropavlavsk-Kamchatskiy. |
| | 23 | 02 | 17 | 04.1& | 58.240 | N | 151.553 | W | 79 | | | | | 12 | KODIAK ISLAND REGION. <AGS-P>. |
| a | 23 | 04 | 53 | 29.0 | 5.924 | N | 126.271 | E | 75 | * | 5.2 | | 1.3 | 113 | MINDANAO, PHILIPPINE ISLANDS. Felt (II RF) at Maunt Pasian and Bislig. |
| | 23 | 05 | 57 | 49.2* | 36.360 | N | 29.104 | E | 10 | G | | | 0.5 | 5 | TURKEY |
| | 23 | 06 | 50 | 37.6 | 42.363 | N | 43.308 | E | 33 | N | 4.4 | 3.7 | 1.4 | 44 | WESTERN CAUCASUS. Felt (VI) at Oni. |
| | 23 | 06 | 57 | 21.9* | 24.003 | S | 66.869 | W | 236 | * | 4.4 | | 1.3 | 11 | SALTA PROVINCE, ARGENTINA |
| | 23 | 08 | 54 | 24.1? | 14.73 | S | 72.75 | W | 33 | N | | | 1.4 | 5 | PERU |
| | 23 | 09 | 06 | 10.0 | 36.418 | N | 6.049 | W | 33 | N | | | 0.7 | 13 | STRAIT OF GIBRALTAR. MG 2.9 (MDD). |
| | 23 | 10 | 13 | 09.1 | 6.795 | N | 72.980 | W | 166 | | 4.7 | | 1.0 | 21 | NORTHERN COLOMBIA |
| | 23 | 10 | 17 | 30.1* | 34.168 | S | 70.393 | W | 136 | * | | | 0.6 | 15 | CHILE-ARGENTINA BORDER REGION |
| | 23 | 10 | 50 | 28.9? | 12.25 | S | 166.75 | E | 33 | N | 4.1 | | 0.3 | 6 | SANTA CRUZ ISLANDS |
| | 23 | 12 | 05 | 39.9 | 45.096 | N | 22.934 | E | 12 | | | | 0.9 | 9 | ROMANIA |
| | 23 | 12 | 12 | 11.8 | 31.100 | N | 36.054 | E | 0 | G | | | 0.8 | 9 | DEAD SEA REGION. Prabable explasion. |
| | 23 | 13 | 20 | 42.1% | 42.743 | N | 19.137 | E | 10 | G | | | 0.2 | 5 | YUGOSLAVIA. MD 2.2 (TTG). |
| | 23 | 13 | 35 | 45.2 | 20.381 | S | 68.871 | W | 114 | D | 5.1 | | 1.1 | 75 | CHILE-BOLIVIA BORDER REGION. Felt (III) at Arica, Chile. |
| | 23 | 14 | 02 | 59.8 | 6.531 | S | 129.933 | E | 173 | * | 4.9 | | 1.2 | 34 | BANDA SEA |
| | 23 | 15 | 13 | 15.9? | 23.67 | S | 70.56 | W | 33 | N | | | 1.6 | 6 | NEAR COAST OF NORTHERN CHILE |
| | 23 | 15 | 14 | 12.3% | 61.835 | N | 7.450 | E | 10 | G | | | 1.3 | 7 | SOUTHERN NORWAY. MD 2.2 (BER). |
| | 23 | 15 | 49 | 57.2* | 1.115 | S | 77.964 | W | 33 | N | 4.4 | | 1.1 | 12 | ECUADOR |
| | 23 | 16 | 00 | 00.0& | 37.142 | N | 116.079 | W | 0 | | 5.2 | | | 147 | SOUTHERN NEVADA. <DOE>. ML 5.0 (BRK). 37' 08' 30.83" N., 116' 04' 43.32" W., Surface Elev. 1321 m., Depth of Burial 500 m., Shot Time 160000.087, "BORATE", Nevada Test Site (Dept. of Energy). Felt at Los Vegas. |
| | 23 | 16 | 32 | 31.3 | 30.942 | N | 35.778 | E | 10 | G | | | 1.4 | 10 | DEAD SEA REGION. ML 4.3 (BHL), 4.2 (JER). Felt in the coastol region of the southern Dead Sea. |
| | 23 | 16 | 46 | 02.3? | 19.21 | N | 64.83 | W | 10 | G | | | 0.3 | 7 | VIRGIN ISLANDS |
| | 23 | 16 | 49 | 58.7 | 21.822 | S | 139.029 | W | 0 | G | 5.5 | | 0.8 | 139 | TUAMOTU ARCHIPELAGO REGION |
| | 23 | 16 | 55 | 22.0 | 38.903 | N | 24.953 | E | 33 | N | | | 1.3 | 19 | AEGEAN SEA. ML 3.3 (ATH). |
| | 23 | 18 | 13 | 04.5 | 23.089 | S | 66.499 | W | 229 | | 5.0 | | 1.3 | 33 | JUJUY PROVINCE, ARGENTINA |
| | 23 | 18 | 38 | 24.4* | 18.353 | S | 168.226 | E | 29 | * | 4.6 | 4.0 | 1.4 | 21 | VANUATU ISLANDS |
| | 23 | 18 | 50 | 56.5 | 8.935 | N | 126.199 | E | 33 | N | 4.7 | | 1.3 | 18 | MINDANAO, PHILIPPINE ISLANDS. Felt (II RF) at Mount Pasian and Bislig. |
| | 23 | 19 | 21 | 20.2 | 27.414 | S | 67.428 | W | 173 | * | | | 0.9 | 19 | CATAMARCA PROVINCE, ARGENTINA |
| | 23 | 19 | 38 | 58.9 | 27.967 | N | 127.983 | E | 188 | ? | 4.7 | | 0.8 | 13 | RYUKYU ISLANDS |
| | 23 | 19 | 44 | 50.4& | 41.193 | N | 113.169 | W | 10 | | | | | 17 | UTAH. <SLC-P>. ML 4.3 (SLC). Felt (IV) at Eagle Range, Hill Air Force Base Test Range. |
| | 23 | 20 | 52 | 17.4* | 3.437 | S | 149.367 | E | 33 | N | 4.3 | | 1.2 | 6 | BISMARCK SEA |
| | 23 | 21 | 05 | 38.0% | 43.258 | N | 17.288 | E | 10 | G | | | 0.5 | 5 | YUGOSLAVIA. ML 2.9 (TTG). |
| | 23 | 21 | 30 | 43.3 | 62.992 | N | 149.286 | W | 83 | | 4.3 | | 1.0 | 19 | CENTRAL ALASKA. Felt (III) at Gold Creek. |
| | 23 | 23 | 28 | 57.4* | 36.590 | N | 11.540 | W | 33 | N | | | 1.1 | 33 | NORTH ATLANTIC OCEAN. MG 3.8 (MDD). |
| | 24 | 00 | 15 | 42.4 | 20.405 | S | 70.466 | W | 33 | N | 5.1 | | 1.3 | 10 | NEAR COAST OF NORTHERN CHILE |
| | 24 | 01 | 27 | 00.3 | 27.739 | N | 65.975 | E | 33 | N | 4.7 | | 1.0 | 57 | PAKISTAN |
| | 24 | 02 | 49 | 48.2 | 64.065 | N | 147.605 | W | 33 | N | 4.6 | 4.2 | 0.9 | 37 | CENTRAL ALASKA. ML 4.7 (PMR). Felt (II) at Healy. Also felt in the Fairbanks-Harding Lake orea. |
| | 24 | 03 | 20 | 32.9 | 43.893 | N | 26.956 | E | 10 | G | | | 1.1 | 8 | BULGARIA |
| | 24 | 04 | 03 | 04.5 | 3.046 | N | 125.915 | E | 33 | N | 5.0 | | 1.5 | 42 | TALAUD ISLANDS |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 24 | 04 | 48 | 49.0• | 39.492 | N | 20.021 | E | 10 | G | 3.3 | 1.4 | 7 | GREECE-ALBANIA BORDER REGION. MD 3.6 (ATH). |
| | 24 | 05 | 06 | 45.4& | 61.580 | N | 147.780 | W | 21 | | 3.3 | | 46 | SOUTHERN ALASKA. <AGS-P>. ML 3.9 (PMR). Felt (IV) at Sheep Mountain and Palmer. Felt (II) at Anchorage. |
| | 24 | 05 | 15 | 55.7? | 15.27 | N | 61.33 | W | 123 | ? | | 0.3 | 8 | LEEWARD ISLANDS |
| | 24 | 07 | 31 | 36.7% | 18.192 | N | 67.195 | W | 33 | N | | 1.0 | 7 | MONA PASSAGE |
| | 24 | 07 | 41 | 32.2• | 35.777 | N | 31.681 | E | 10 | G | | 1.5 | 5 | CYPRUS |
| | 24 | 07 | 51 | 24.6• | 27.863 | N | 128.173 | E | 33 | N | 4.4 | 1.6 | 7 | RYUKYU ISLANDS |
| | 24 | 10 | 25 | 11.7 | 3.105 | S | 102.938 | E | 200 | • | 4.6 | 0.9 | 26 | SOUTHERN SUMATERA |
| | 24 | 10 | 46 | 16.7& | 62.114 | N | 148.592 | W | 37 | | | | 42 | CENTRAL ALASKA. <AGS-P>. ML 3.4 (PMR). |
| | 24 | 11 | 45 | 48.5• | 30.756 | S | 29.029 | E | 5 | G | | 0.7 | 6 | REPUBLIC OF SOUTH AFRICA. MG 4.2 (BUL). |
| | 24 | 12 | 22 | 45.7& | 37.083 | N | 119.287 | W | 44 | | | | 12 | CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). Felt in the Bishop area. |
| | 24 | 12 | 36 | 46.5 | 34.372 | N | 39.336 | E | 0 | G | 4.4 | 0.9 | 32 | JORDAN - SYRIA REGION. Possible explosion. |
| | 24 | 14 | 34 | 46.8? | 39.22 | N | 29.56 | E | 10 | G | | 0.8 | 5 | TURKEY |
| a | 24 | 14 | 37 | 16.4 | 10.913 | S | 166.154 | E | 171 | | 5.5 | 0.9 | 201 | SANTA CRUZ ISLANDS |
| | 24 | 14 | 42 | 06.3• | 35.766 | N | 21.863 | E | 33 | N | 4.3 | 1.3 | 29 | MEDITERRANEAN SEA. ML 4.1 (ATH). |
| | 24 | 16 | 46 | 55.4• | 9.447 | N | 126.143 | E | 101 | ? | 4.6 | 1.2 | 18 | MINDANAO, PHILIPPINE ISLANDS |
| | 24 | 17 | 37 | 40.7• | 12.314 | S | 75.178 | W | 10 | G | | 0.8 | 5 | PERU |
| | 24 | 17 | 58 | 55.0 | 40.353 | N | 25.872 | E | 10 | G | | 0.5 | 8 | AEGEAN SEA |
| | 24 | 18 | 19 | 27.1• | 4.544 | S | 151.392 | E | 10 | G | 4.0 3.8 | 0.7 | 9 | NEW BRITAIN REGION |
| | 24 | 18 | 31 | 23.1% | 43.181 | N | 13.377 | E | 10 | G | | 0.8 | 5 | CENTRAL ITALY |
| | 24 | 19 | 12 | 34.4 | 34.083 | N | 105.338 | E | 33 | N | 4.7 | 1.2 | 54 | GANSU PROVINCE, CHINA |
| | 24 | 19 | 43 | 16.7 | 14.793 | S | 167.243 | E | 139 | • | 4.5 | 1.0 | 31 | VANUATU ISLANDS |
| | 24 | 20 | 44 | 24.9• | 18.814 | S | 167.506 | E | 34 | D | 4.8 3.9 | 1.2 | 22 | VANUATU ISLANDS |
| | 24 | 21 | 23 | 40.5• | 7.007 | S | 73.941 | W | 33 | N | 5.2 | 1.0 | 13 | PERU-BRAZIL BORDER REGION |
| | 24 | 22 | 28 | 09.0 | 44.656 | N | 11.874 | E | 24 | | | 1.0 | 18 | NORTHERN ITALY. ML 3.4 (KBA), 2.9 (LDG). |
| | 24 | 23 | 44 | 30.6• | 11.643 | S | 34.775 | E | 10 | G | 4.3 | 1.1 | 5 | MALAWI |
| | 24 | 23 | 58 | 33.1& | 33.680 | N | 119.070 | W | 12 | | | | 27 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS). Felt (V) at Carpinteria, Inglewood, Reseda and Studio City. Felt in Los Angeles, Orange, Riverside, San Bernardino, San Diego and Ventura Counties. |
| | 25 | 01 | 01 | 21.9 | 0.179 | S | 124.469 | E | 77 | • | 5.1 | 1.4 | 60 | MOLUCCA SEA |
| | 25 | 01 | 10 | 43.4? | 11.42 | S | 34.69 | E | 10 | G | | 1.1 | 4 | MALAWI. MG 3.4 (BUL). |
| | 25 | 01 | 40 | 08.3 | 40.516 | N | 23.540 | E | 10 | G | | 0.5 | 10 | GREECE |
| | 25 | 03 | 35 | 45.5 | 36.148 | N | 6.591 | W | 95 | | 4.1 | 0.7 | 70 | STRAIT OF GIBRALTAR |
| | 25 | 03 | 39 | 57.8• | 32.595 | S | 69.393 | W | 25 | • | | 1.1 | 7 | MENDOZA PROVINCE, ARGENTINA |
| | 25 | 03 | 52 | 52.3• | 6.579 | S | 149.347 | E | 48 | • | 3.8 | 1.3 | 7 | NEW BRITAIN REGION |
| | 25 | 04 | 15 | 26.4 | 51.649 | N | 16.240 | E | 10 | G | | 0.6 | 18 | POLAND. ML 3.7 (KBA), 3.7 (VKA). |
| | 25 | 04 | 31 | 54.6• | 17.945 | N | 100.859 | W | 33 | N | 4.5 | 1.3 | 8 | GUERRERO, MEXICO |
| | 25 | 05 | 24 | 20.6? | 7.48 | S | 128.81 | E | 248 | ? | 3.5 | 1.1 | 6 | BANDA SEA |
| | 25 | 08 | 10 | 49.0 | 38.449 | N | 116.038 | W | 5 | G | | 0.7 | 11 | NEVADA. ML 2.8 (NEIS). |
| | 25 | 11 | 04 | 00.8• | 24.197 | S | 67.071 | W | 197 | • | 4.0 | 1.4 | 10 | CHILE-ARGENTINA BORDER REGION |
| | 25 | 13 | 01 | 59.0 | 36.282 | N | 28.329 | E | 15 | | 4.4 | 1.3 | 116 | DODECANESE ISLANDS. ML 4.8 (ATH), 4.8 (CSS). Felt on Rhodes. |
| | 25 | 14 | 40 | 14.3 | 36.269 | N | 28.115 | E | 14 | | 4.3 | 1.5 | 29 | DODECANESE ISLANDS. ML 4.3 (CSS), 4.2 (ATH). Felt on Rhodes. |
| | 25 | 15 | 44 | 43.0 | 19.422 | S | 67.626 | W | 238 | • | | 0.8 | 13 | SOUTHERN BOLIVIA |
| | 25 | 16 | 19 | 56.1 | 36.357 | N | 28.158 | E | 23 | | 4.5 | 1.2 | 13 | DODECANESE ISLANDS. ML 4.5 (ATH). |
| | 25 | 16 | 26 | 46.1 | 2.345 | S | 138.423 | E | 33 | N | 4.6 4.7 | 1.2 | 25 | WEST IRIAN |
| | 25 | 16 | 28 | 54.6 | 6.884 | S | 155.809 | E | 79 | | 4.7 | 0.7 | 17 | SOLOMON ISLANDS. Felt (III) at Arawa, Bougainville. |
| f | 25 | 16 | 46 | 13.3 | 5.409 | N | 36.751 | E | 12 | G | 5.6 6.2 | 1.1 | 282 | ETHIOPIA. Felt strongly in many parts of southern Ethiopia. Depth from broadband displacement seismograms. |
| a | 25 | 16 | 54 | 05.6 | 2.323 | S | 138.364 | E | 33 | N | 6.2 7.0 | 1.1 | 290 | WEST IRIAN. Ms 6.7 (BRK), 6.7 (PAS). Felt at Jayapura. |
| | 25 | 16 | 57 | 58.9? | 5.11 | N | 37.21 | E | 10 | G | 4.7 | 0.8 | 27 | ETHIOPIA |
| | 25 | 17 | 36 | 43.6 | 2.307 | S | 138.439 | E | 33 | N | 4.1 | 1.0 | 26 | WEST IRIAN |
| | 25 | 18 | 00 | 43.1• | 2.125 | S | 138.401 | E | 33 | N | 3.9 | 0.6 | 8 | WEST IRIAN |
| | 25 | 19 | 14 | 52.4 | 2.297 | S | 138.122 | E | 33 | N | 4.2 5.7 | 1.0 | 24 | WEST IRIAN |
| | 25 | 19 | 37 | 21.5 | 2.442 | S | 138.325 | E | 33 | N | 4.8 | 1.1 | 50 | WEST IRIAN |
| | 25 | 19 | 49 | 18.2 | 12.074 | N | 144.194 | E | 10 | G | 5.1 | 1.3 | 48 | SOUTH OF MARIANA ISLANDS |
| | 25 | 20 | 26 | 30.2• | 21.915 | S | 179.454 | E | 650 | • | 4.9 | 1.0 | 33 | SOUTH OF FIJI ISLANDS |
| | 25 | 21 | 21 | 13.6• | 2.530 | S | 138.145 | E | 33 | N | 4.1 | 1.4 | 10 | WEST IRIAN |
| | 25 | 21 | 52 | 40.2 | 44.612 | N | 7.302 | E | 10 | G | | 0.7 | 12 | NORTHERN ITALY |
| | 25 | 22 | 25 | 45.6• | 2.221 | S | 138.253 | E | 33 | N | 4.4 4.6 | 1.4 | 24 | WEST IRIAN |
| | 25 | 22 | 32 | 52.5• | 2.319 | S | 138.243 | E | 33 | N | | 0.9 | 14 | WEST IRIAN |
| | 25 | 22 | 42 | 41.7? | 19.17 | S | 119.28 | E | 10 | G | | 0.6 | 6 | WESTERN AUSTRALIA |
| a | 25 | 22 | 52 | 48.2 | 7.061 | S | 129.865 | E | 94 | | 5.3 | 1.0 | 90 | BANDA SEA |
| | 25 | 23 | 24 | 05.2• | 2.390 | S | 138.396 | E | 33 | N | 3.8 4.2 | 1.6 | 13 | WEST IRIAN |
| | 26 | 00 | 18 | 24.2• | 2.252 | S | 138.371 | E | 33 | N | 4.1 4.0 | 1.3 | 12 | WEST IRIAN |
| | 26 | 01 | 54 | 27.4& | 61.495 | N | 150.168 | W | 65 | | | | 33 | SOUTHERN ALASKA. <AGS-P>. |
| | 26 | 02 | 21 | 29.1? | 2.50 | S | 137.95 | E | 33 | N | 4.1 | 1.2 | 8 | WEST IRIAN |
| | 26 | 02 | 53 | 47.8 | 2.465 | S | 138.222 | E | 33 | N | 5.3 | 0.9 | 32 | WEST IRIAN |
| | 26 | 03 | 21 | 59.0? | 21.14 | S | 170.60 | E | 33 | N | 4.6 | 0.9 | 6 | LOYALTY ISLANDS REGION |
| | 26 | 03 | 46 | 03.1 | 44.511 | N | 10.768 | E | 10 | G | | 0.6 | 13 | NORTHERN ITALY. ML 2.8 (LDG), 2.6 (KBA). |
| | 26 | 04 | 16 | 00.9& | 41.203 | N | 113.172 | W | 9 | | 4.3 | | 38 | UTAH. <SLC-P>. ML 4.8 (SLC). Felt (III) at Grantsville, Grouse Creek, Ray and Salt Lake City. Also felt (III) at Alma and Heyburn, Idaho. Felt throughout much of the Salt Lake Valley, west as far as Wendover and north into southern Idaho. |
| | 26 | 04 | 26 | 27.8• | 2.499 | S | 138.026 | E | 33 | N | 4.2 3.3 | 0.9 | 9 | WEST IRIAN |
| | 26 | 04 | 49 | 50.1 | 2.401 | S | 138.225 | E | 33 | N | 4.8 3.9 | 1.2 | 30 | WEST IRIAN |
| | 26 | 05 | 34 | 34.7? | 31.36 | S | 69.35 | W | 136 | ? | | 0.1 | 6 | SAN JUAN PROVINCE, ARGENTINA |
| | 26 | 05 | 45 | 26.5? | 10.44 | N | 86.39 | W | 10 | | | 0.4 | 10 | OFF COAST OF COSTA RICA. MD 4.1 (HDC). |
| | 26 | 06 | 03 | 47.8• | 2.495 | S | 138.187 | E | 33 | N | 4.4 | 1.2 | 16 | WEST IRIAN |
| | 26 | 06 | 11 | 17.1• | 39.648 | N | 29.107 | E | 10 | G | | 1.3 | 8 | TURKEY |
| | 26 | 06 | 20 | 26.1• | 2.671 | S | 138.002 | E | 33 | N | 3.9 | 0.8 | 11 | WEST IRIAN |
| | 26 | 08 | 15 | 55.3• | 20.084 | N | 104.270 | W | 33 | N | 4.2 | 0.9 | 12 | JALISCO, MEXICO |
| | 26 | 10 | 55 | 21.1% | 39.598 | N | 29.394 | E | 10 | G | | 0.5 | 6 | TURKEY |
| | 26 | 10 | 57 | 40.4% | 39.579 | N | 29.413 | E | 10 | G | | 0.6 | 5 | TURKEY |
| | 26 | 11 | 58 | 38.4& | 60.186 | N | 153.176 | W | 138 | | | | 25 | SOUTHERN ALASKA. <AGS-P>. |
| | 26 | 12 | 12 | 27.2% | 31.337 | N | 36.097 | E | 0 | G | | 0.4 | 6 | DEAD SEA REGION. Probable explosion. |
| | 26 | 12 | 36 | 49.5? | 2.32 | S | 138.13 | E | 33 | N | 4.0 | 1.5 | 7 | WEST IRIAN |
| | 26 | 12 | 59 | 51.6? | 11.72 | S | 34.48 | E | 10 | G | 4.4 | 1.5 | 5 | MALAWI |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 26 | 15 | 09 | 16.4? | 24.68 | S | 70.52 | W | 33 | N | | | 1.0 | 5 | NEAR COAST OF NORTHERN CHILE |
| | 26 | 16 | 16 | 06.0* | 2.678 | S | 138.247 | E | 33 | N | 4.1 | | 0.8 | 12 | WEST IRIAN |
| | 26 | 17 | 08 | 09.3 | 41.822 | N | 23.181 | E | 10 | G | | | 0.9 | 7 | GREECE-BULGARIA BORDER REGION |
| | 26 | 18 | 16 | 05.3* | 30.804 | N | 35.233 | E | 0 | G | | | 0.9 | 5 | DEAD SEA REGION. Probable explosion. |
| | 26 | 18 | 46 | 16.2 | 6.345 | S | 130.474 | E | 135 | * | 5.0 | | 1.4 | 44 | BANDA SEA |
| | 26 | 18 | 50 | 52.1 | 2.251 | S | 13B.488 | E | 33 | N | 4.5 | | 0.9 | 19 | WEST IRIAN |
| a | 26 | 1B | 56 | 26.4 | 18.983 | N | 145.578 | E | 146 | * | 5.0 | | 1.0 | 67 | MARIANA ISLANDS |
| | 26 | 18 | 59 | 15.9? | 16.63 | S | 75.08 | W | 33 | N | | | 1.1 | 6 | OFF COAST OF PERU |
| | 26 | 20 | 04 | 10.1* | 10.456 | N | 84.773 | W | 33 | N | | | 1.5 | 8 | COSTA RICA. MD 4.7 (HDC). |
| | 26 | 20 | 09 | 26.9* | 10.884 | S | 120.587 | E | 33 | N | 3.3 | | 1.1 | 7 | SUMBA ISLAND REGION |
| | 26 | 21 | 26 | 45.9% | 11.966 | S | 76.740 | W | 33 | N | | | 0.4 | 5 | PERU |
| | 26 | 22 | 22 | 36.8% | 39.596 | N | 27.955 | E | 10 | G | | | 1.0 | 7 | TURKEY |
| | 26 | 23 | 02 | 29.6% | 46.487 | N | 2.953 | E | 10 | G | | | 0.5 | 9 | FRANCE. ML 2.4 (LDG). |
| | 26 | 23 | 21 | 47.0* | 23.325 | S | 70.176 | W | 33 | N | | | 0.6 | 6 | NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofagasta. |
| | 26 | 23 | 44 | 09.5* | 36.786 | N | 71.558 | E | 33 | N | 4.5 | | 0.8 | 6 | AFGHANISTAN-USSR BORDER REGION |
| | 26 | 23 | 49 | 42.1* | 28.836 | S | 68.290 | W | 33 | N | | | 0.6 | 5 | LA RIOJA PROVINCE, ARGENTINA |
| | 27 | 00 | 54 | 58.2& | 30.870 | N | 116.890 | W | 6 | G | 4.5 | | | 33 | BAJA CALIFORNIA. <PAS-P>. ML 3.8 (PAS). |
| | 27 | 01 | 39 | 57.7? | 19.14 | N | 67.22 | W | 10 | G | | | 0.1 | 6 | MONA PASSAGE |
| | 27 | 03 | 07 | 25.0& | 59.073 | N | 151.214 | W | 41 | | | | | 40 | KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.8 (PMR). |
| | 27 | 03 | 14 | 59.2 | 42.251 | S | 172.821 | E | 18 | | 4.6 | 4.4 | 0.8 | 15 | SOUTH ISLAND, NEW ZEALAND |
| | 27 | 03 | 15 | 30.2 | 40.425 | N | 28.436 | E | 17 | | 4.3 | 3.7 | 1.0 | 77 | TURKEY. ML 4.4 (ATH). Felt in the Karacabey-Bandirma area. |
| | 27 | 03 | 24 | 11.0% | 40.473 | N | 28.412 | E | 10 | G | | | 1.4 | 6 | TURKEY |
| | 27 | 04 | 34 | 15.4% | 40.455 | N | 28.349 | E | 10 | G | | | 0.7 | 5 | TURKEY |
| | 27 | 05 | 02 | 12.4 | 12.780 | N | 87.191 | W | 161 | | 5.0 | | 1.1 | 33 | NEAR COAST OF NICARAGUA |
| | 27 | 06 | 07 | 10.1% | 40.411 | N | 28.404 | E | 10 | G | | | 0.4 | 11 | TURKEY |
| | 27 | 07 | 06 | 30.8% | 40.458 | N | 28.391 | E | 10 | G | | | 1.1 | 9 | TURKEY |
| | 27 | 07 | 30 | 39.0 | 14.159 | N | 93.157 | W | 31 | | 4.2 | | 0.7 | 15 | NEAR COAST OF CHIAPAS, MEXICO |
| | 27 | 08 | 00 | 29.4* | 40.319 | N | 23.964 | E | 10 | G | | | 1.0 | 6 | GREECE |
| | 27 | 09 | 12 | 59.4% | 40.405 | N | 28.367 | E | 10 | G | | | 0.5 | 5 | TURKEY |
| | 27 | 09 | 18 | 00.0 | 45.672 | N | 6.239 | E | 10 | G | | | 0.9 | 12 | FRANCE. ML 3.0 (LDG). |
| | 27 | 09 | 23 | 06.0* | 41.824 | S | 174.386 | E | 37 | * | 4.5 | | 1.5 | 16 | COOK STRAIT, NEW ZEALAND. Felt in central New Zealond. |
| | 27 | 10 | 11 | 48.8? | 3.01 | S | 137.45 | E | 33 | N | 4.3 | | 1.2 | 10 | WEST IRIAN |
| a | 27 | 10 | 22 | 45.0 | 12.160 | N | 144.115 | E | 40 | * | 5.4 | 5.1 | 1.2 | 133 | SOUTH OF MARIANA ISLANDS |
| | 27 | 11 | 44 | 47.3* | 21.810 | S | 170.485 | E | 33 | N | 4.2 | | 0.8 | 14 | LOYALTY ISLANDS REGION |
| | 27 | 12 | 06 | 42.1* | 4.521 | S | 153.127 | E | 50 | * | 4.2 | | 1.1 | 8 | NEW IRELAND REGION |
| | 27 | 12 | 34 | 02.7* | 6.868 | S | 154.121 | E | 10 | G | 4.6 | | 1.1 | 10 | SOLOMON ISLANDS |
| a | 27 | 12 | 57 | 59.4 | 21.360 | S | 178.805 | W | 534 | D | 5.5 | | 0.9 | 232 | FIJI ISLANDS REGION |
| | 27 | 13 | 22 | 51.3 | 62.789 | N | 152.878 | W | 10 | G | | | 0.8 | 42 | CENTRAL ALASKA. ML 3.9 (PMR). |
| | 27 | 13 | 56 | 42.3* | 34.533 | N | 139.448 | E | 36 | * | 3.9 | | 1.2 | 11 | NEAR S. COAST OF HONSHU, JAPAN. Felt (I JMA) at Tateyama, Ajira, Yokohama and on Oshima. |
| | 27 | 14 | 01 | 37.8 | 51.364 | N | 176.184 | W | 33 | N | 4.6 | | 1.1 | 34 | ANDREANOF ISLANDS, ALEUTIAN IS. ML 4.2 (PMR). |
| | 27 | 14 | 48 | 49.4 | 36.170 | N | 28.274 | E | 33 | N | 4.5 | | 1.2 | 11 | DODECANESE ISLANDS. MD 3.9 (ATH). |
| | 27 | 15 | 13 | 41.0% | 39.598 | N | 29.401 | E | 10 | G | | | 1.0 | 5 | TURKEY |
| | 27 | 15 | 23 | 38.2 | 46.735 | N | 7.472 | E | 10 | G | | | 1.2 | 15 | SWITZERLAND. ML 2.7 (LDG). |
| | 27 | 15 | 34 | 56.2 | 9.941 | S | 121.001 | E | 33 | N | 4.1 | | 1.3 | 14 | SAVU SEA |
| | 27 | 17 | 17 | 19.9? | 2.41 | S | 138.28 | E | 33 | N | 3.8 | | 0.3 | 7 | WEST IRIAN |
| | 27 | 18 | 20 | 33.3 | 39.652 | N | 15.483 | E | 264 | | 4.5 | | 1.4 | 76 | SOUTHERN ITALY |
| | 27 | 18 | 52 | 09.2 | 23.247 | S | 68.722 | W | 99 | | 4.5 | | 0.9 | 45 | NORTHERN CHILE |
| | 27 | 19 | 20 | 52.2? | 16.76 | S | 173.15 | W | 33 | N | 4.7 | | 1.1 | 7 | TONGA ISLANDS |
| | 27 | 20 | 55 | 15.6 | 46.232 | N | 7.431 | E | 22 | | | | 1.2 | 16 | SWITZERLAND. ML 2.6 (LDG). |
| | 27 | 21 | 29 | 12.9* | 32.771 | N | 47.733 | E | 33 | N | 4.3 | | 1.2 | 9 | IRAN-IRAQ BORDER REGION |
| f | 27 | 21 | 58 | 17.0 | 28.676 | S | 62.929 | W | 605 | G | 6.0 | | 1.0 | 378 | SANTIAGO DEL ESTERO PROV., ARG. Depth fram braadband displacement seismagrams. |
| | 27 | 22 | 01 | 47.0? | 3.85 | S | 139.45 | E | 33 | N | 3.6 | 4.0 | 0.9 | 8 | WEST IRIAN |
| | 27 | 22 | 50 | 52.3? | 16.40 | S | 69.60 | W | 193 | ? | | | 0.4 | 6 | PERU-BOLIVIA BORDER REGION |
| | 27 | 23 | 22 | 44.5% | 40.450 | N | 28.391 | E | 10 | G | | | 0.4 | 6 | TURKEY |
| | 28 | 00 | 03 | 54.9? | 7.30 | S | 105.32 | E | 33 | N | 4.4 | | 1.0 | 5 | JAVA |
| | 28 | 00 | 12 | 34.1% | 31.722 | N | 116.424 | E | 33 | N | | | 1.3 | 5 | EASTERN CHINA. ML 3.6 (BJI). |
| | 28 | 00 | 56 | 34.1% | 40.718 | N | 29.740 | E | 10 | G | | | 0.2 | 6 | TURKEY |
| | 28 | 03 | 10 | 50.7* | 37.797 | N | 71.812 | E | 33 | N | 4.4 | | 0.9 | 8 | AFGHANISTAN-USSR BORDER REGION |
| | 28 | 03 | 18 | 56.4 | 24.237 | S | 69.292 | W | 142 | * | | | 0.7 | 15 | NORTHERN CHILE |
| | 28 | 04 | 35 | 23.2* | 18.088 | S | 70.102 | W | 33 | N | | | 0.5 | 6 | NEAR COAST OF NORTHERN CHILE |
| | 28 | 05 | 30 | 20.6% | 40.047 | N | 28.675 | E | 10 | G | | | 0.6 | 6 | TURKEY |
| | 28 | 06 | 36 | 10.4 | 52.391 | N | 170.721 | W | 33 | N | 5.2 | | 0.9 | 98 | FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.2 (PMR). |
| | 28 | 07 | 17 | 51.5* | 38.930 | N | 20.961 | E | 10 | G | | | 1.0 | 5 | GREECE. MD 3.4 (ATH). |
| | 28 | 08 | 04 | 33.9 | 43.184 | N | 146.579 | E | 46 | D | 4.6 | | 0.9 | 44 | KURIL ISLANDS. Felt (II JMA) at Nemuro, Hokkaido. |
| a | 28 | 08 | 58 | 29.1 | 5.740 | N | 36.730 | E | 10 | G | 5.4 | 5.6 | 1.0 | 213 | ETHIOPIA. Slight damage in the Arba Minch area. |
| | 28 | 09 | 25 | 58.0? | 60.74 | N | 5.69 | E | 0 | G | | | 0.1 | 4 | SOUTHERN NORWAY. MD 1.7 (BER). Prabable explosion. |
| | 28 | 09 | 26 | 03.9% | 40.438 | N | 28.374 | E | 10 | G | | | 1.1 | 8 | TURKEY |
| | 28 | 09 | 32 | 56.3? | 61.47 | N | 2.22 | E | 10 | G | | | 0.5 | 6 | NORWEGIAN SEA. MD 2.2 (BER). |
| | 28 | 12 | 48 | 29.1 | 39.022 | N | 21.542 | E | 10 | G | | | 1.1 | 14 | GREECE. ML 3.5 (ATH). |
| | 28 | 14 | 42 | 36.1& | 36.678 | N | 121.350 | W | 2 | | | | | 16 | CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). |
| | 28 | 15 | 04 | 02.0* | 33.413 | N | 83.033 | E | 33 | N | 3.8 | | 1.6 | 5 | TIBET |
| | 28 | 17 | 25 | 08.4 | 37.841 | N | 116.139 | W | 5 | G | | | 0.4 | 26 | SOUTHERN NEVADA. MD 3.1 (REN). |
| | 28 | 17 | 44 | 28.4 | 13.229 | S | 77.049 | W | 50 | * | 5.0 | | 1.1 | 40 | OFF COAST OF PERU. Felt at Lima. |
| | 28 | 17 | 56 | 39.6* | 9.042 | S | 112.231 | E | 33 | N | 4.8 | | 1.6 | 17 | SOUTH OF JAVA |
| a | 28 | 18 | 21 | 29.3 | 28.294 | S | 176.749 | W | 34 | | 5.4 | 5.4 | 1.2 | 118 | KERMADEC ISLANDS REGION. Ms 5.5 (BRK). |
| | 28 | 18 | 24 | 02.0* | 36.078 | S | 100.843 | W | 10 | G | 5.4 | 5.1 | 1.1 | 41 | SOUTHERN PACIFIC OCEAN |
| | 28 | 18 | 45 | 14.9* | 23.962 | S | 70.767 | W | 33 | N | | | 0.7 | 8 | NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofagasta. |
| | 28 | 18 | 55 | 22.6* | 9.052 | S | 111.405 | E | 207 | * | 4.3 | | 0.9 | 16 | SOUTH OF JAVA |
| | 28 | 19 | 06 | 00.7* | 38.912 | N | 21.652 | E | 10 | G | | | 0.8 | 11 | GREECE. MD 3.2 (ATH). |
| | 28 | 19 | 09 | 35.3 | 37.877 | N | 30.223 | E | 10 | G | 4.0 | | 1.2 | 27 | TURKEY |
| | 28 | 19 | 16 | 53.0? | 11.18 | N | 85.54 | W | 33 | N | | | 0.3 | 6 | NICARAGUA. MD 4.1 (HDC). |
| | 28 | 19 | 52 | 29.3& | 36.585 | N | 121.237 | W | 9 | | | | | 25 | CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). |
| | 28 | 20 | 28 | 18.7 | 38.868 | N | 21.724 | E | 12 | | 4.0 | | 1.2 | 39 | GREECE. ML 3.9 (TTG), 3.7 (ATH), 3.7 (SKO). |
| | 28 | 21 | 47 | 25.2 | 27.627 | N | 56.374 | E | 46 | | 4.7 | | 0.6 | 40 | SOUTHERN IRAN |
| | 28 | 22 | 19 | 29.2* | 38.388 | S | 72.773 | W | 57 | D | 4.9 | | 1.4 | 23 | CENTRAL CHILE |
| a | 28 | 22 | 41 | 53.7* | 28.320 | S | 176.610 | W | 33 | N | 4.9 | 5.1 | 1.2 | 34 | KERMADEC ISLANDS REGION |
| | 28 | 22 | 44 | 33.5* | 22.565 | S | 66.097 | W | 276 | ? | | | 1.2 | 9 | JUJUY PROVINCE, ARGENTINA |
| | 28 | 23 | 02 | 52.7* | 4.418 | S | 102.593 | E | 72 | * | 5.0 | | 1.2 | 31 | SOUTHERN SUMATERA. Felt (III) at Kepahiang. |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 28 | 23 27 25.5 | 46.226 | N | 7.873 | E | 10 | G | | | 0.5 | 8 | SWITZERLAND. ML 2.3 (LDG). |
| | 28 | 23 49 01.0 | 47.136 | N | 9.126 | E | 22 | | | | 1.3 | 79 | GERMANY. ML 4.6 (VKA), 4.4 (STU), 4.3 (LDG), 4.2 (KBA). |
| | 29 | 03 53 03.2* | 19.361 | S | 69.388 | W | 33 | N | | | 0.6 | 7 | NORTHERN CHILE |
| | 29 | 04 22 24.9* | 32.140 | S | 68.682 | W | 33 | N | | | 1.1 | 5 | MENDOZA PROVINCE, ARGENTINA |
| | 29 | 05 00 54.3* | 39.003 | N | 21.446 | E | 10 | G | | | 1.2 | 7 | GREECE. ML 3.5 (ATH). |
| | 29 | 05 36 19.3* | 38.747 | N | 21.902 | E | 10 | G | | | 1.3 | 9 | GREECE. ML 3.3 (ATH). |
| | 29 | 06 48 08.5& | 62.074 | N | 151.375 | W | 90 | | | | | 25 | CENTRAL ALASKA. <AGS-P>. |
| | 29 | 07 19 16.7? | 16.53 | N | 60.88 | W | 33 | N | | | 0.4 | 8 | LEEWARD ISLANDS. ML 3.3 (FDF). |
| | 29 | 07 51 36.4& | 60.039 | N | 152.618 | W | 91 | | | | | 32 | SOUTHERN ALASKA. <AGS-P>. |
| | 29 | 08 07 20.9? | 7.01 | S | 129.62 | E | 174 | ? | 4.3 | | 1.0 | 6 | BANDA SEA |
| | 29 | 09 10 55.5 | 23.948 | N | 121.698 | E | 29 | * | 4.1 | | 1.0 | 15 | TAIWAN |
| | 29 | 10 21 26.8? | 31.93 | N | 132.04 | E | 10 | G | | | 0.4 | 5 | SOUTHEAST OF SHIKOKU, JAPAN |
| | 29 | 10 40 49.7 | 31.739 | S | 67.736 | W | 10 | G | 4.5 | | 1.4 | 15 | SAN JUAN PROVINCE, ARGENTINA. Felt at San Juan. |
| | 29 | 13 46 16.3? | 22.38 | S | 178.51 | W | 369 | ? | 4.6 | | 1.3 | 18 | SOUTH OF FIJI ISLANDS |
| | 29 | 14 18 01.0& | 60.235 | N | 150.208 | W | 42 | | | | | 43 | KENAI PENINSULA, ALASKA. <AGS-P>. |
| | 29 | 14 22 02.2* | 15.524 | N | 147.220 | E | 27 | * | 4.6 | | 1.2 | 29 | MARIANA ISLANDS REGION |
| | 29 | 14 44 49.1% | 39.544 | N | 29.393 | E | 10 | G | | | 0.9 | 5 | TURKEY |
| | 29 | 15 16 20.8* | 38.743 | N | 21.856 | E | 10 | G | | | 0.9 | 12 | GREECE. ML 3.5 (ATH). |
| | 29 | 16 23 29.3? | 27.71 | S | 73.82 | W | 33 | N | | | 1.5 | 6 | OFF COAST OF NORTHERN CHILE |
| | 29 | 19 55 22.8? | 2.46 | S | 138.10 | E | 33 | N | 3.7 | 3.5 | 0.6 | 7 | WEST IRIAN |
| | 29 | 20 08 00.5 | 7.224 | N | 126.825 | E | 71 | * | 4.9 | | 1.3 | 64 | MINDANAO, PHILIPPINE ISLANDS. Felt (II RF) at Mount Posian and Bislig. |
| | 29 | 20 15 20.8 | 37.003 | N | 28.482 | E | 10 | G | | | 0.7 | 9 | TURKEY |
| a | 29 | 20 23 41.0 | 4.817 | N | 127.688 | E | 153 | D | 6.1 | | 1.1 | 387 | TALAUD ISLANDS. Felt (IV RF) at Mount Pasian and Bislig, Mindanao, Philippine Islands. |
| | 29 | 21 26 22.1? | 28.02 | S | 63.60 | E | 10 | G | 5.2 | | 1.2 | 10 | ATLANTIC-INDIAN RISE |
| | 29 | 22 21 18.3? | 36.09 | N | 139.93 | E | 65 | ? | | | 0.2 | 5 | HONSHU, JAPAN. Felt (III JMA) at Utsunamiya; (I JMA) at Kumagaya and Mito. |
| | 29 | 22 38 28.9* | 51.735 | N | 7.885 | E | 10 | G | | | 0.5 | 6 | GERMANY |
| | 29 | 22 47 28.9* | 6.524 | S | 149.346 | E | 51 | ? | 5.0 | | 1.0 | 16 | NEW BRITAIN REGION |
| | 30 | 01 20 37.2 | 44.924 | N | 11.247 | E | 10 | G | | | 1.4 | 46 | NORTHERN ITALY. ML 3.9 (KBA), 3.6 (LDG), 3.5 (VKA). |
| | 30 | 01 46 37.5* | 2.178 | N | 97.551 | E | 33 | N | | | 0.7 | 5 | NORTHERN SUMATERA |
| | 30 | 02 14 43.2? | 14.29 | N | 60.17 | W | 33 | N | | | 0.9 | 9 | WINDWARD ISLANDS. ML 3.8 (FDF). |
| | 30 | 02 52 01.0* | 44.892 | N | 11.324 | E | 10 | G | | | 1.2 | 5 | NORTHERN ITALY. ML 2.3 (KBA). |
| | 30 | 04 32 24.5* | 15.302 | S | 173.460 | W | 33 | N | 4.8 | 4.5 | 0.8 | 14 | TONGA ISLANDS |
| | 30 | 05 42 36.3 | 2.509 | N | 84.808 | E | 10 | G | 5.0 | 4.7 | 1.1 | 61 | NORTH INDIAN OCEAN |
| | 30 | 06 51 19.5? | 12.27 | S | 77.56 | W | 33 | N | | | 0.7 | 6 | NEAR COAST OF PERU. Felt (II) at Lima. |
| | 30 | 07 03 53.2* | 20.580 | S | 69.355 | W | 157 | ? | | | 0.7 | 8 | NORTHERN CHILE |
| | 30 | 07 27 30.3% | 39.591 | N | 28.945 | E | 10 | G | | | 1.0 | 8 | TURKEY |
| | 30 | 07 49 09.9? | 19.92 | S | 173.67 | W | 33 | N | 4.4 | | 1.2 | 8 | TONGA ISLANDS |
| | 30 | 08 53 03.6? | 19.34 | N | 66.29 | W | 14 | * | | | 0.1 | 7 | PUERTO RICO REGION |
| | 30 | 09 53 17.8* | 38.584 | N | 37.600 | E | 10 | G | | | 0.3 | 5 | TURKEY |
| | 30 | 10 28 26.8 | 37.755 | N | 37.933 | E | 10 | G | 4.5 | | 1.3 | 27 | TURKEY |
| | 30 | 10 37 08.0* | 0.961 | N | 98.750 | E | 119 | * | 3.8 | | 0.3 | 7 | NORTHERN SUMATERA |
| | 30 | 10 44 39.5? | 7.28 | S | 129.70 | E | 151 | ? | 4.2 | | 1.1 | 9 | BANDA SEA |
| | 30 | 12 31 27.4* | 38.300 | N | 21.658 | E | 10 | G | | | 0.5 | 6 | GREECE. ML 3.1 (ATH). |
| | 30 | 12 52 13.1* | 30.864 | N | 35.987 | E | 10 | G | | | 0.3 | 6 | DEAD SEA REGION |
| | 30 | 12 54 34.5? | 23.65 | S | 70.11 | W | 33 | N | | | 0.5 | 4 | NEAR COAST OF NORTHERN CHILE. Felt (III) at Antofagasta. |
| | 30 | 12 58 36.5* | 15.189 | S | 173.542 | W | 33 | N | 4.7 | 4.5 | 0.6 | 14 | TONGA ISLANDS |
| | 30 | 13 39 17.2? | 17.95 | N | 64.93 | W | 10 | G | | | 0.6 | 7 | VIRGIN ISLANDS |
| | 30 | 14 03 27.9* | 46.659 | N | 10.446 | E | 10 | G | | | 1.4 | 6 | NORTHERN ITALY. ML 2.2 (KBA). |
| | 30 | 14 06 23.1* | 43.645 | N | 127.564 | W | 10 | G | 3.9 | | 0.5 | 26 | OFF COAST OF OREGON |
| | 30 | 14 08 19.9% | 60.689 | N | 5.630 | E | 0 | G | | | 0.7 | 6 | SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion. |
| | 30 | 14 11 46.3* | 41.132 | N | 23.593 | E | 10 | G | | | 1.0 | 5 | GREECE-BULGARIA BORDER REGION |
| | 30 | 14 42 42.3* | 6.919 | S | 129.670 | E | 144 | * | 4.6 | | 1.6 | 17 | BANDA SEA |
| | 30 | 14 55 44.1 | 15.610 | S | 173.262 | W | 33 | N | 5.3 | 5.4 | 1.2 | 111 | TONGA ISLANDS |
| | 30 | 15 42 20.7* | 11.496 | S | 119.304 | E | 33 | N | 3.2 | | 1.0 | 8 | SOUTH OF SUMBA ISLAND |
| | 30 | 16 31 10.3? | 42.70 | N | 19.07 | E | 10 | G | | | 0.2 | 4 | YUGOSLAVIA. ML 2.1 (TTG). |
| | 30 | 17 40 45.3* | 9.384 | S | 123.224 | E | 76 | ? | 4.1 | | 1.4 | 9 | TIMOR |
| | 30 | 17 54 05.6* | 3.481 | S | 140.149 | E | 10 | G | 3.5 | | 0.6 | 6 | WEST IRIAN |
| | 30 | 20 46 56.6* | 19.449 | S | 177.607 | W | 581 | * | 5.0 | | 1.3 | 39 | FIJI ISLANDS REGION |
| | 30 | 23 10 42.7& | 37.907 | N | 122.298 | W | 5 | | | | | 9 | CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=3.1*10**13 Nm (BRK). Felt at Berkeley, El Cerrito, Oakland Hills, Pinole and Richmond. |
| | 30 | 23 25 25.7? | 8.40 | S | 74.41 | W | 33 | N | | | 0.8 | 4 | PERU-BRAZIL BORDER REGION |
| a | 31 | 00 49 33.8 | 5.535 | S | 147.168 | E | 176 | | 5.3 | | 1.0 | 52 | EAST PAPUA NEW GUINEA REGION |
| | 31 | 01 27 59.4 | 60.289 | N | 149.904 | W | 58 | | 4.8 | | 0.9 | 113 | KENAI PENINSULA, ALASKA. Felt (IV) at Cooper Landing, Eagle River, Hamer, Moose Pass, Seward and Sutton; (III) at Anchorage, Chugiak, Kenai and Palmer; (II) at Sterling, Wasilla and Willow. |
| | 31 | 02 33 49.0? | 18.51 | S | 178.14 | W | 650 | ? | 5.1 | | 0.9 | 27 | FIJI ISLANDS REGION |
| | 31 | 02 35 33.2* | 5.463 | S | 153.409 | E | 33 | N | 4.1 | | 0.3 | 7 | NEW IRELAND REGION |
| | 31 | 03 25 12.1 | 57.853 | N | 148.809 | W | 33 | N | | | 0.6 | 42 | GULF OF ALASKA |
| | 31 | 03 27 05.1& | 36.098 | N | 120.127 | W | 7 | | | | | 14 | CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). |
| | 31 | 05 06 34.1 | 32.435 | N | 129.825 | E | 5 | G | | | 0.9 | 8 | KYUSHU, JAPAN. Felt (I JMA) at Nagasaki and Izuhara. |
| a | 31 | 05 11 17.9 | 25.789 | S | 69.787 | W | 70 | D | 5.1 | | 0.9 | 83 | NORTHERN CHILE. Felt (IV). |
| | 31 | 05 40 44.8% | 40.450 | N | 28.444 | E | 10 | G | | | 0.3 | 6 | TURKEY |
| | 31 | 06 14 05.9 | 7.156 | N | 84.410 | E | 33 | N | 4.5 | | 1.3 | 8 | BAY OF BENGAL |
| | 31 | 06 37 03.5& | 60.440 | N | 150.192 | W | 45 | | | | | 45 | KENAI PENINSULA, ALASKA. <AGS-P>. Felt (II) at Cooper Landing. |
| | 31 | 07 02 25.2? | 9.73 | S | 169.35 | E | 33 | N | 4.4 | | 1.3 | 12 | SANTA CRUZ ISLANDS REGION |
| | 31 | 07 43 56.6? | 6.20 | S | 130.25 | E | 180 | ? | 4.0 | | 1.3 | 7 | BANDA SEA |
| | 31 | 08 43 58.7& | 60.038 | N | 153.283 | W | 125 | | | | | 31 | SOUTHERN ALASKA. <AGS-P>. |
| a | 31 | 08 52 30.9 | 6.949 | S | 80.548 | W | 33 | N | 5.4 | 5.3 | 1.1 | 144 | NEAR COAST OF NORTHERN PERU. Ms 5.4 (BRK). Felt (III) at Chiclayo. |
| | 31 | 09 32 38.2* | 30.859 | N | 35.930 | E | 0 | G | | | 0.8 | 6 | DEAD SEA REGION. Probable explosion. |
| | 31 | 09 38 33.6 | 40.423 | N | 28.435 | E | 10 | G | | | 0.6 | 11 | TURKEY |
| | 31 | 10 09 09.2 | 61.158 | N | 3.962 | E | 10 | G | 4.2 | | 1.3 | 17 | NORWEGIAN SEA. ML 4.3 (UPP), 4.0 (NAO). Felt. |
| | 31 | 10 36 11.7& | 37.345 | N | 121.730 | W | 6 | | | | | 12 | CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). |
| | 31 | 11 15 46.0% | 40.702 | N | 23.451 | E | 11 | * | | | 0.1 | 6 | GREECE |
| | 31 | 12 45 06.1% | 15.118 | N | 60.711 | W | 33 | N | | | 1.1 | 8 | LEEWARD ISLANDS. ML 3.2 (FDF). |
| | 31 | 12 54 13.0% | 39.577 | N | 29.369 | E | 10 | G | | | 1.0 | 6 | TURKEY |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 13 01 30.7? | 4.57 | S | 131.76 | E | 33 | N | 4.2 | 1.1 | 7 | BANDA SEA |
| 31 | 13 09 42.1 | 46.378 | N | 12.883 | E | 10 | G | | 1.1 | 15 | NORTHERN ITALY. ML 2.9 (KBA). MD 2.9 (TRI). |
| 31 | 14 07 57.9& | 40.423 | N | 125.390 | W | 5 | G | | | 36 | OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 4.4 (BRK). |
| 31 | 14 12 59.3% | 13.460 | S | 76.738 | W | 33 | N | | 0.9 | 5 | NEAR COAST OF PERU |
| 31 | 14 50 21.4? | 33.67 | S | 70.51 | W | 33 | N | | 0.9 | 5 | CHILE-ARGENTINA BORDER REGION |
| 31 | 15 25 22.9? | 41.47 | N | 22.29 | E | 10 | G | | 1.1 | 4 | YUGOSLAVIA. MG 2.1 (SKO). |
| 31 | 15 55 24.3* | 28.936 | N | 142.195 | E | 33 | N | 4.5 | 1.1 | 18 | BONIN ISLANDS REGION |
| 31 | 16 36 23.0? | 16.11 | N | 60.67 | W | 33 | N | | 0.3 | 5 | LEEWARD ISLANDS. ML 2.4 (FDF). |
| 31 | 17 09 28.0& | 62.067 | N | 147.467 | W | 39 | | | | 36 | CENTRAL ALASKA. <AGS-P>. |
| 31 | 18 07 48.0% | 44.433 | N | 9.681 | E | 10 | G | | 0.8 | 6 | NORTHERN ITALY |
| 31 | 18 35 18.3* | 36.555 | N | 71.002 | E | 178 | ? | 4.2 | 1.2 | 11 | AFGHANISTAN-USSR BORDER REGION |
| 31 | 18 40 06.5? | 30.64 | S | 72.27 | W | 33 | N | | 1.1 | 7 | OFF COAST OF CENTRAL CHILE |
| 31 | 18 51 48.7* | 38.457 | N | 27.363 | E | 10 | G | | 0.8 | 6 | TURKEY |
| 31 | 18 55 55.0 | 38.378 | N | 22.068 | E | 7 | | 3.8 | 1.1 | 17 | GREECE. ML 3.3 (ATH). |
| 31 | 19 28 44.7? | 42.73 | N | 15.14 | E | 10 | G | | 0.2 | 6 | ADRIATIC SEA |
| 31 | 22 25 34.5? | 41.70 | N | 22.75 | E | 10 | G | | 0.4 | 7 | YUGOSLAVIA. MG 1.5 (ATH). |
| 31 | 23 34 25.3 | 12.160 | N | 144.147 | E | 42 | * | 4.7 4.1 | 1.2 | 38 | SOUTH OF MARIANA ISLANDS |

## A D D I T I O N A L  S O U R C E  P A R A M E T E R S

01 07 29 24.96 11.389S 166.147E 76km
5.5mb ( 20 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 37C
Centroid Location:
Origin Time 07:29:26.0 0.2
Lat 11.55S 0.02 Lon 165.83E 0.02
Dep 52.4 1.4 Half-duration 2.9
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 4.84 | 80 | 315 |
| N | 0.16 | 8 | 172 |
| P | -5.00 | 6 | 82 |

Best Double Couple:Mo=4.9*10**17
NP1:Strike=163 Dip=40 Slip= 78
NP2: 359 51 100

01 13 18 45.55 65.114S 177.537E 10km
5.0mb ( 2 obs.) 5.0Msz ( 2 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 36C
Centroid Location:
Origin Time 13:18:52.5 0.4
Lat 65.20S 0.04 Lon 177.64E 0.09
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 3.05 | 12 | 7 |
| N | 0.04 | 78 | 183 |
| P | -3.09 | 1 | 277 |

Best Double Couple:Mo=3.1*10**17
NP1:Strike= 52 Dip=81 Slip= 172
NP2: 143 82 9

01 14 42 20.00 34.060N 118.080W 10km
5.8mb ( 70 obs.) 5.7Msz ( 7 obs.)
SOUTHERN CALIFORNIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=270 Dip=48 Slip= 112
NP2: 59 46 67
Principal Axes:

| | Plg= | Azm= |
|---|---|---|
| T | 74 | 252 |
| P | 1 | 345 |

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate right-lateral strike-slip component. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 7.1±1.7*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 17 No. of sta: 10
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 8.69 | 60 | 4 |
| N | -0.55 | 5 | 265 |
| P | -8.15 | 30 | 172 |

Best Double Couple:Mo=8.4*10**17
NP1:Strike=248 Dip=16 Slip= 72
NP2: 86 75 95
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 41C M.W.: 14S, 29C
Centroid Location:
Origin Time 14:42:26.8 0.3
Lat 33.99N 0.03 Lon 118.25W 0.03
Dep 15.0 FIX Half-duration 3.4
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 8.01 | 76 | 337 |
| N | 1.10 | 4 | 84 |
| P | -9.11 | 14 | 175 |

Best Double Couple:Mo=8.6*10**17
NP1:Strike=270 Dip=31 Slip= 98
NP2: 81 59 85

02 07 38 27.87 27.346N 139.942E 464km
5.5mb ( 91 obs.)
BONIN ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 07:38:30.7 0.3
Lat 27.31N 0.02 Lon 139.82E 0.03
Dep 458.8 1.8 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 4.70 | 7 | 241 |
| N | 0.48 | 8 | 150 |
| P | -5.19 | 79 | 11 |

Best Double Couple:Mo=4.9*10**17
NP1:Strike=341 Dip=38 Slip= -76
NP2: 143 53 -101

02 11 27 08.10 0.896N 28.453W 10km
5.0mb ( 21 obs.) 4.7Msz ( 4 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 25C
Centroid Location:
Origin Time 11:27:13.1 0.8
Lat 0.82N 0.07 Lon 28.03W 0.09
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 6.33 | 20 | 42 |
| N | -0.20 | 70 | 233 |
| P | -6.13 | 3 | 134 |

Best Double Couple:Mo=6.2*10**16
NP1:Strike=180 Dip=73 Slip= 12
NP2: 86 78 163

02 22 27 55.87 8.143S 77.954W 20km
5.4mb ( 46 obs.) 5.1Msz ( 5 obs.)
PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 22:27:57.8 0.3
Lat 8.03S 0.04 Lon 78.09W 0.04
Dep 15.0 FIX Half-duration 2.3
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 3.20 | 19 | 249 |
| N | 0.17 | 39 | 355 |
| P | -3.37 | 45 | 140 |

Best Double Couple:Mo=3.3*10**17
NP1:Strike=296 Dip=43 Slip=-157
NP2: 189 74 -49

03 03 35 10.69 17.950S 69.247W 149km
5.8mb ( 77 obs.)
PERU-BOLIVIA BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 78 Dip=81 Slip= 56
NP2: 335 35 164
Principal Axes:

| | Plg= | Azm= |
|---|---|---|
| T | 44 | 315 |
| P | 28 | 195 |

Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a large strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 107 No. of sta: 4
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 5.26 | 28 | 306 |
| N | 2.67 | 56 | 89 |
| P | -7.93 | 18 | 207 |

Best Double Couple:Mo=6.6*10**17
NP1:Strike=344 Dip=57 Slip= 172
NP2: 78 83 34
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C
Centroid Location:
Origin Time 03:35:16.6 0.2
Lat 18.17S 0.03 Lon 69.48W 0.03
Dep 136.8 1.3 Half-duration 3.3
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 9.57 | 24 | 79 |
| N | -1.45 | 45 | 323 |
| P | -8.12 | 35 | 188 |

Best Double Couple:Mo=8.8*10**17
NP1:Strike=219 Dip=46 Slip= -10
NP2: 316 83 -135

03 10 16 26.27 5.447S 131.012E 74km
6.4mb ( 46 obs.)
BANDA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 80 Dip=55 Slip= 90
NP2: 260 35 90
Principal Axes:

| | Plg= | Azm= |
|---|---|---|
| T | 80 | 350 |
| P | 10 | 170 |

Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 1.7±0.6*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 78 No. of sta: 11
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 2.52 | 62 | 287 |
| N | 0.12 | 27 | 92 |
| P | -2.64 | 6 | 185 |

Best Double Couple:Mo=2.6*10**18
NP1:Strike=302 Dip=46 Slip= 130
NP2: 72 57 57
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 41C M.W.: 14S, 32C
Centroid Location:
Origin Time 10:16:29.3 0.1
Lat 5.18S 0.01 Lon 131.37E 0.01
Dep 72.5 1.0 Half-duration 5.7
Principal Axes:

Scale 10**18 Nm
T Val= 3.71 Plg=55 Azm=291
N 0.45 29 74
P -4.16 18 174
Best Double Couple:Mo=3.9*10**18
NP1:Strike=300 Dip=37 Slip= 143
NP2: 62 68 59

03 11 00 05.29 36.454N 71.437E 95km
5.9mb ( 78 obs.)
AFGHANISTAN-USSR BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 25 Dip=63 Slip= 36
NP2: 277 58 148
Principal Axes:
T Plg=44 Azm=243
P 3 150
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. F
Energy 1.6±0.8*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 11:00:12.5 0.5
Lat 36.59N 0.06 Lon 71.97E 0.07
Dep 98.2 3.1 Half-duration 4.1
Principal Axes:
Scale 10**18 Nm
T Val= 1.68 Plg=68 Azm=241
N 0.09 22 50
P -1.77 4 141
Best Double Couple:Mo=1.7*10**18
NP1:Strike=253 Dip=45 Slip= 121
NP2: 32 52 62

04 02 47 25.92 15.545N 93.347W 91km
5.2mb ( 32 obs.)
NEAR COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 02:47:21.6 1.0
Lat 15.44N 0.10 Lon 93.35W 0.11
Dep 53.3 7.4 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 8.24 Plg=30 Azm= 23
N -0.31 5 116
P -7.93 60 215
Best Double Couple:Mo=8.1*10**16
NP1:Strike= 98 Dip=16 Slip=-109
NP2: 298 75 -85

04 08 15 18.75 10.823N 85.926W 48km
5.5mb ( 58 obs.) 6.0Msz ( 20 obs.)
COSTA RICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 43C M.W.: 14S, 26C
Centroid Location:
Origin Time 08:15:22.2 0.2
Lat 10.66N 0.02 Lon 86.58W 0.02
Dep 28.6 1.1 Half-duration 4.7
Principal Axes:
Scale 10**18 Nm
T Val= 1.92 Plg=60 Azm= 19
N 0.15 5 118
P -2.06 29 211
Best Double Couple:Mo=2.0*10**18
NP1:Strike=316 Dip=16 Slip= 109
NP2: 117 75 85

04 10 27 20.26 37.306N 141.615E 43km
5.8mb ( 81 obs.) 5.0Msz ( 3 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 26 Dip=49 Slip= 115
NP2: 171 47 64
Principal Axes:
T Plg=71 Azm= 5
P 1 99
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a moderate left-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 1.3±0.4*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 32C
Centroid Location:
Origin Time 10:27:23.1 0.4
Lat 37.13N 0.03 Lon 141.71E 0.04
Dep 42.7 2.9 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.45 Plg=71 Azm=297
N 0.20 2 201
P -3.65 19 110
Best Double Couple:Mo=3.6*10**17
NP1:Strike=196 Dip=26 Slip= 85
NP2: 22 64 92

04 10 59 38.10 34.070N 118.100W 8km
5.2mb ( 41 obs.) 4.8Msz ( 1 obs.)
SOUTHERN CALIFORNIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 10:59:44.5 2.4
Lat 34.24N 0.21 Lon 117.76W 0.19
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 7.47 Plg= 0 Azm=103
N 1.28 90 180
P -8.75 0 13
Best Double Couple:Mo=8.1*10**16
NP1:Strike=148 Dip=90 Slip= 180
NP2: 238 90 0

04 18 34 22.61 55.585N 161.623E 54km
6.0mb ( 86 obs.) 5.4Msz ( 14 obs.)
NEAR EAST COAST OF KAMCHATKA
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 2.9±1.0*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 37 No. of sta: 16
Principal Axes:
Scale 10**17 Nm
T Val= 8.03 Plg=57 Azm=352
N 2.16 29 205
P -10.19 15 107
Best Double Couple:Mo=9.1*10**17
NP1:Strike=163 Dip=39 Slip= 40
NP2: 40 66 122
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 36C
Centroid Location:
Origin Time 18:34:27.9 0.2
Lat 55.58N 0.02 Lon 162.52E 0.05
Dep 70.5 1.5 Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 8.59 Plg=67 Azm= 44
N 0.94 22 239
P -9.52 6 147
Best Double Couple:Mo=9.1*10**17
NP1:Strike=214 Dip=44 Slip= 57
NP2: 76 54 118

04 23 12 56.89 61.702S 161.157E 10km
5.2mb ( 6 obs.) 4.5Msz ( 1 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 23C
Centroid Location:
Origin Time 23:13: 1.6 0.9
Lat 62.13S 0.11 Lon 160.49E 0.13
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.32 Plg= 0 Azm=195
N -0.35 90 180
P -8.97 0 105
Best Double Couple:Mo=9.1*10**16
NP1:Strike=240 Dip=90 Slip= 180
NP2: 330 90 0

05 18 58 00.07 0.060S 129.919E 33km
5.4mb ( 20 obs.) 4.9Msz ( 5 obs.)
HALMAHERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 38C
Centroid Location:
Origin Time 18:58: 0.1 0.3
Lat 0.13N 0.04 Lon 129.92E 0.05
Dep 16.9 3.4 Half-duration 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 3.11 Plg=17 Azm=180
N 0.08 35 282
P -3.19 50 69
Best Double Couple:Mo=3.1*10**17
NP1:Strike=231 Dip=42 Slip=-150
NP2: 117 70 -52

06 00 50 51.92 18.711N 145.016E 514km
5.2mb ( 44 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 29C
Centroid Location:
Origin Time 00:50:52.9 0.8
Lat 18.74N 0.05 Lon 144.96E 0.10
Dep 491.7 5.3 Half-duration 1.7
Principal Axes:
Scale 10**17 Nm
T Val= 1.36 Plg=20 Azm=352
N -0.10 57 116
P -1.26 25 252
Best Double Couple:Mo=1.3*10**17
NP1:Strike= 33 Dip=57 Slip=-176
NP2: 301 87 -33

06 04 19 06.08 17.940S 172.225W 16km
6.7mb ( 36 obs.) 7.3Msz ( 26 obs.)
TONGA ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=213 Dip=62 Slip= -30
NP2: 318 64 -148
Principal Axes:
T Plg= 1 Azm= 85
P 40 176
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 12 Focal mech. M
Energy 4.9±1.1*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 22 No. of sta: 14
Principal Axes:
Scale 10**19 Nm
T Val= 10.93 Plg= 0 Azm=255
N -2.60 52 345
P -8.33 38 165
Best Double Couple:Mo=9.6*10**19
NP1:Strike=307 Dip=64 Slip=-151
NP2: 204 64 -29
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 21S, 59C M.W.: 18S, 46C
Centroid Location:
Origin Time 04:19:15.4 0.1
Lat 18.29S 0.01 Lon 171.93W 0.01
Dep 15.0 FIX Half-duration 15.0
Principal Axes:
Scale 10**19 Nm
T Val= 9.41 Plg= 5 Azm=279
N -1.09 15 10
P -8.33 74 172
Best Double Couple:Mo=8.9*10**19
NP1:Strike=352 Dip=42 Slip=-113
NP2: 203 52 -70

06 14 39 53.09 36.092S 101.166W 10km
5.2mb ( 6 obs.)
SOUTHERN PACIFIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 38C
Centroid Location:
Origin Time 14:39:56.9 0.3
Lat 36.38S 0.06 Lon 100.95W 0.06
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

T Val= 1.50 Plg= 2 Azm=234
N -0.14 75 137
P -1.35 15 325
Best Double Couple:Mo=1.4*10**17
NP1:Strike= 8 Dip=78 Slip= -9
NP2: 100 81 -168

06 16 03 40.22 5.798S 151.684E 24km
5.4mb ( 11 obs.) 4.9Msz ( 5 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 39C
Centroid Locatian:
Origin Time 16:03:45.5 0.4
Lat 5.91S 0.05 Lan 152.07E 0.06
Dep 15.0 FIX Half-duratian 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.70 Plg=59 Azm=358
N 0.07 8 255
P -2.77 30 160
Best Double Cauple:Ma=2.7*10**17
NP1:Strike=226 Dip=17 Slip= 60
NP2: 77 76 98

06 20 11 35.14 52.956N 159.972E 34km
6.1mb ( 69 obs.) 6.3Msz ( 24 obs.)
OFF EAST COAST OF KAMCHATKA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 30 Dip=67 Slip= 90
NP2: 210 23 90
Principal Axes:
T Plg=68 Azm=300
P 22 120
Comment: The facal mechanism is
paarly cantralled and
carresponds ta reverse
faulting. The preferred fault
plane is NP2.
RADIATED ENERGY
Na. of sta: 5 Facal mech. M
Energy 2.3±0.6*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 33 Na. af sta: 20
Principal Axes:
Scale 10**18 Nm
T Val= 6.75 Plg=72 Azm=285
N -0.24 6 35
P -6.51 16 126
Best Double Couple:Mo=6.6*10**18
NP1:Strike=225 Dip=29 Slip= 102
NP2: 31 62 83
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 48C M.W.: 16S, 41C
Centraid Locotion:
Origin Time 20:11:43.4 0.1
Lat 52.78N 0.01 Lan 160.38E 0.02
Dep 47.0 0.6 Half-duratian 6.7
Principal Axes:
Scale 10**18 Nm
T Val= 6.37 Plg=77 Azm=310
N -0.31 2 211
P -6.06 13 121
Best Double Cauple:Ma=6.2*10**18
NP1:Strike=208 Dip=32 Slip= 86
NP2: 33 58 92

07 00 51 36.65 22.845S 68.030W 106km
5.6mb ( 66 obs.)
NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 18S, 36C
Centroid Location:
Origin Time 00:51:45.7 0.4
Lat 22.88S 0.05 Lon 68.06W 0.04
Dep 144.9 1.8 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.55 Plg=14 Azm= 70
N -0.50 3 340
P -3.05 76 239
Best Double Cauple:Mo=3.3*10**17
NP1:Strike=164 Dip=32 Slip= -85
NP2: 338 59 -93

07 06 18 58.72 44.617N 150.340E 54km
5.5mb ( 72 obs.)
KURIL ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centraid Locatian:
Origin Time 06:18:55.2 1.2
Lat 44.71N 0.08 Lan 151.04E 0.14
Dep 46.2 5.5 Half-duratian 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 6.89 Plg=63 Azm=258
N 1.71 21 36
P -8.60 16 133
Best Double Couple:Ma=7.8*10**16
NP1:Strike=251 Dip=34 Slip= 130
NP2: 26 65 67

07 22 29 24.58 6.223N 37.814E 10km
5.3mb ( 9 obs.)
ETHIOPIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 29C
Centroid Locotion:
Origin Time 22:29:29.3 0.7
Lat 6.54N 0.09 Lon 37.31E 0.09
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scole 10**16 Nm
T Val= 9.78 Plg=25 Azm=118
N 0.29 4 26
P -10.06 64 288
Best Double Couple:Mo=9.9*10**16
NP1:Strike=216 Dip=20 Slip= -79
NP2: 24 71 -94

08 02 30 42.78 43.431N 142.174E 182km
5.3mb ( 70 obs.)
HOKKAIDO, JAPAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centraid Locotion:
Origin Time 02:30:45.1 1.2
Lat 43.98N 0.13 Lan 141.64E 0.17
Dep 167.2 4.4 Half-duratian 1.5
Principal Axes:
Scole 10**16 Nm
T Val= 4.46 Plg=42 Azm=182
N 1.97 43 330
P -6.43 17 76
Best Double Couple:Ma=5.4*10**16
NP1:Strike=210 Dip=47 Slip= 159
NP2: 315 75 45

08 03 20 45.77 19.599S 173.111W 40km
6.2mb ( 42 obs.) 6.1Msz ( 21 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=198 Dip=68 Slip= 90
NP2: 18 22 90
Principal Axes:
T Plg=67 Azm=108
P 23 288
Comment: The focal mechanism is
poorly controlled and
corresponds to reverse
faulting. The preferred fault
plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 48C M.W.: 14S, 31C
Centroid Locatian:
Origin Time 03:20:53.4 0.2
Lat 19.72S 0.02 Lon 173.00W 0.01
Dep 49.3 0.8 Half-duration 5.5
Principal Axes:
Scale 10**18 Nm
T Val= 3.15 Plg=57 Azm= 14
N 0.30 33 197
P -3.45 2 106
Best Double Cauple:Mo=3.3*10**18
NP1:Strike=167 Dip=52 Slip= 46
NP2: 44 55 132

08 13 28 47.61 54.959N 161.449W 47km
5.0mb ( 27 obs.)
ALASKA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Locotion:
Origin Time 13:28:48.7 1.6
Lat 55.55N 0.20 Lon 160.84W 0.25
Dep 47.0 FIX Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 2.61 Plg=13 Azm=159
N 1.29 57 48
P -3.91 30 256
Best Double Couple:Ma=3.3*10**16
NP1:Strike=293 Dip=59 Slip= -13
NP2: 30 79 -148

09 05 38 00.10 3.692S 140.046E 21km
5.2mb ( 7 obs.) 4.9Msz ( 3 obs.)
WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 31C
Centroid Locotion:
Origin Time 05:38: 6.8 0.5
Lat 3.46S 0.04 Lon 139.92E 0.06
Dep 34.5 4.7 Half-durotian 1.8
Principal Axes:
Scole 10**16 Nm
T Val= 10.93 Plg=73 Azm=293
N 0.48 17 130
P -11.41 5 38
Best Double Cauple:Ma=1.1*10**17
NP1:Strike=111 Dip=43 Slip= 65
NP2: 323 52 111

09 10 17 38.99 7.871S 105.256E 30km
5.5mb ( 18 obs.) 5.3Msz ( 7 obs.)
JAVA
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 15S, 29C
Centraid Location:
Origin Time 10:17:47.5 1.5
Lat 8.04S 0.12 Lan 105.10E 0.10
Dep 15.0 FIX Half-duratian 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.60 Plg=41 Azm=314
N 0.63 35 81
P -2.23 29 195
Best Double Couple:Mo=1.9*10**17
NP1:Strike=337 Dip=36 Slip= 168
NP2: 77 83 55

10 14 26 36.96 6.066S 113.153E 574km
5.9mb ( 33 obs.)
JAVA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centraid Location:
Origin Time 14:26:41.2 0.4
Lat 6.12S 0.03 Lon 113.24E 0.04
Dep 583.4 1.8 Half-duration 3.5
Principal Axes:
Scole 10**17 Nm
T Val= 9.29 Plg=17 Azm= 14
N -0.82 11 281
P -8.47 70 160
Best Double Couple:Mo=8.9*10**17
NP1:Strike=120 Dip=29 Slip= -68
NP2: 275 63 -102

11 18 02 50.75 35.004S 179.685E 33km
5.5mb ( 9 obs.) 5.4Msz ( 3 obs.)
OFF E. COAST OF N. ISLAND, N.Z.
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 16S, 38C
Centraid Location:
Origin Time 18:02:53.6 0.4
Lat 34.69S 0.04 Lan 179.79W 0.06
Dep 27.3 2.4 Half-duration 2.5
Principal Axes:
Scole 10**17 Nm
T Val= 3.08 Plg=52 Azm=252
N 0.38 17 4
P -3.46 33 106
Best Double Couple:Mo=3.3*10**17
NP1:Strike=242 Dip=20 Slip= 149
NP2: 1 80 73

11 22 45 48.47 6.382S 146.662E 115km
5.5mb ( 26 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 23C
Centroid Location:
Origin Time 22:45:53.5 0.6
Lat 6.35S 0.05 Lon 146.58E 0.07

Dep 105.7 3.4 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 12.07 Plg= 7 Azm=211
N -2.67 44 114
P -9.40 45 308
Best Double Couple:Mo=1.1*10**17
NP1:Strike=339 Dip=54 Slip= -31
NP2: 88 65 -140

12 13 57 04.79 7.288S 154.371E 25km
6.3mb ( 46 obs.) 6.8Msz ( 31 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=104 Dip=83 Slip=-180
NP2: 194 90 -353
Principal Axes:
T Plg= 5 Azm= 59
P 5 329
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 46C M.W.: 17S, 47C
Centroid Location:
Origin Time 13:57:16.7 0.1
Lat 7.12S 0.01 Lon 154.05E 0.01
Dep 18.2 0.4 Half-duration 12.0
Principal Axes:
Scale 10**19 Nm
T Val= 3.24 Plg= 5 Azm=217
N 0.24 15 126
P -3.48 74 324
Best Double Couple:Mo=3.4*10**19
NP1:Strike=323 Dip=43 Slip= -68
NP2: 114 51 -109

12 22 09 46.85 32.499N 137.795E 361km
4.8mb ( 22 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 23C
Centroid Location:
Origin Time 22:09:49.2 0.9
Lat 32.46N 0.07 Lon 137.55E 0.12
Dep 351.7 3.8 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.53 Plg=50 Azm= 76
N -0.09 29 208
P -1.44 25 313
Best Double Couple:Mo=1.5*10**17
NP1:Strike= 87 Dip=33 Slip= 154
NP2: 200 76 60

13 06 41 10.06 45.266N 150.047E 50km
5.0mb ( 45 obs.) 4.4Msz ( 1 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 06:41: 8.1 2.1
Lat 45.04N 0.18 Lon 150.56E 0.27
Dep 21.8 7.8 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 2.95 Plg=66 Azm=243
N -0.02 16 12
P -2.93 17 107
Best Double Couple:Mo=2.9*10**16
NP1:Strike=220 Dip=31 Slip= 122
NP2: 5 64 73

13 13 54 42.59 7.232S 154.312E 15km
5.7mb ( 24 obs.) 5.2Msz ( 8 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 40C
Centroid Location:
Origin Time 13:54:47.7 0.3
Lat 7.34S 0.03 Lon 154.14E 0.03
Dep 20.8 1.7 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 2.83 Plg= 5 Azm=220
N -0.22 9 129
P -2.60 79 337
Best Double Couple:Mo=2.7*10**17
NP1:Strike=320 Dip=41 Slip= -76
NP2: 121 51 -102

14 02 11 17.27 34.393S 179.820E 72km
5.6mb ( 25 obs.)
SOUTH OF KERMADEC ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 39C
Centroid Location:
Origin Time 02:11:21.4 0.5
Lat 34.08S 0.05 Lon 179.86W 0.05
Dep 51.7 2.9 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.81 Plg=58 Azm=232
N 0.89 22 1
P -2.70 23 100
Best Double Couple:Mo=2.3*10**17
NP1:Strike=226 Dip=29 Slip= 139
NP2: 353 71 67

14 07 37 27.82 21.264N 121.818E 111km
5.2mb ( 47 obs.)
TAIWAN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 07:37:27.9 0.6
Lat 21.09N 0.08 Lon 121.75E 0.14
Dep 107.3 6.8 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 9.74 Plg=49 Azm= 12
N -1.12 18 260
P -8.62 35 157
Best Double Couple:Mo=9.2*10**16
NP1:Strike=194 Dip=19 Slip= 23
NP2: 82 82 108

14 11 39 39.40 7.318S 154.458E 33km
4.9mb ( 12 obs.) 5.1Msz ( 2 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 11:39:41.5 0.8
Lat 7.39S 0.11 Lon 154.38E 0.10
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.82 Plg=13 Azm= 32
N -1.47 0 122
P -7.35 77 212
Best Double Couple:Mo=8.1*10**16
NP1:Strike=122 Dip=32 Slip= -90
NP2: 302 58 -90

14 17 05 11.53 16.854N 120.013E 61km
5.2mb ( 23 obs.)
LUZON, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 17:05: 9.4 0.7
Lat 17.04N 0.09 Lon 120.21E 0.14
Dep 43.310.0 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 4.53 Plg=66 Azm=171
N 0.83 8 64
P -5.35 22 331
Best Double Couple:Mo=4.9*10**16
NP1:Strike= 46 Dip=24 Slip= 71
NP2: 247 68 98

14 19 05 59.99 13.359N 89.624W 75km
5.2mb ( 46 obs.)
EL SALVADOR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 45C
Centroid Location:
Origin Time 19:05:57.8 0.3
Lat 13.17N 0.03 Lon 90.15W 0.03
Dep 42.9 1.8 Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.33 Plg=75 Azm=107
N 0.61 15 297
P -4.94 3 207
Best Double Couple:Mo=4.6*10**17
NP1:Strike=281 Dip=45 Slip= 68
NP2: 131 49 110

14 23 30 25.34 4.026N 95.382E 58km
5.1mb ( 21 obs.)
NORTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 23:30:29.8 0.7
Lat 4.31N 0.06 Lon 95.24E 0.06
Dep 52.4 6.3 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 8.22 Plg=13 Azm= 56
N -1.55 71 282
P -6.67 13 149
Best Double Couple:Mo=7.4*10**16
NP1:Strike=192 Dip=71 Slip= 0
NP2: 102 90 161

15 01 06 01.35 6.306S 129.317E 33km
5.4mb ( 16 obs.) 5.5Msz ( 8 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 45C
Centroid Location:
Origin Time 01:06: 3.3 0.4
Lat 6.09S 0.03 Lon 129.63E 0.03
Dep 18.0 FIX Half-duration 3.6
Principal Axes:
Scale 10**17 Nm
T Val= 8.95 Plg= 2 Azm=281
N 0.54 87 61
P -9.50 2 191
Best Double Couple:Mo=9.2*10**17
NP1:Strike=326 Dip=87 Slip= 180
NP2: 56 90 3

15 07 27 01.69 51.822N 175.350W 64km
5.1mb ( 49 obs.)
ANDREANOF ISLANDS, ALEUTIAN IS.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Location:
Origin Time 07:26:54.5 1.2
Lat 51.59N 0.08 Lon 173.10W 0.16
Dep 53.6 4.9 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 8.59 Plg=71 Azm=356
N 3.03 9 237
P -11.61 16 144
Best Double Couple:Mo=1.0*10**17
NP1:Strike=221 Dip=30 Slip= 71
NP2: 62 62 101

16 10 28 00.72 7.423S 148.430E 39km
5.4mb ( 15 obs.) 4.5Msz ( 2 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 15C
Centroid Location:
Origin Time 10:27:56.0 2.8
Lat 7.82S 0.13 Lon 148.98E 0.26
Dep 44.517.2 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 4.79 Plg=56 Azm=302
N -0.34 9 198
P -4.45 33 102
Best Double Couple:Mo=4.6*10**16
NP1:Strike=161 Dip=15 Slip= 52
NP2: 20 78 99

16 20 48 01.64 6.266S 149.060E 48km
5.9mb ( 26 obs.) 7.4Msz ( 22 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=131 Dip=63 Slip= 60
NP2: 3 39 134
Principal Axes:
T Plg=60 Azm=356
P 13 242
Comment: The focal mechanism is moderately well controlled and

corresponds to reverse faulting with a moderate strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 11 Focal mech. C
Energy 2.3±0.6*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 52 No. of sta: 14
Principal Axes:
Scale 10**19 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 5.23 | 60 | 330 |
| N | 0.12 | 29 | 134 |
| P | -5.36 | 7 | 228 |

Best Double Couple:Mo=5.3*10**19
NP1:Strike=347 Dip=46 Slip= 133
NP2: 114 58 55
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 22S, 61C M.W.: 16S, 48C
Centroid Location:
Origin Time 20:48:17.9 0.1
Lat 6.22S 0.01 Lon 149.44E 0.01
Dep 47.8 0.4 Half-duration 20.0
Principal Axes:
Scale 10**20 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.28 | 77 | 357 |
| N | -0.04 | 0 | 266 |
| P | -1.24 | 13 | 176 |

Best Double Couple:Mo=1.3*10**20
NP1:Strike=266 Dip=32 Slip= 90
NP2: 86 58 90

17 06 37 29.86 56.058S 27.209W 95km
5.6mb ( 8 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centroid Location:
Origin Time 06:37:32.1 1.2
Lat 56.14S 0.13 Lon 27.62W 0.26
Dep 84.6 7.9 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.84 | 45 | 162 |
| N | -0.32 | 44 | 351 |
| P | -1.52 | 5 | 256 |

Best Double Couple:Mo=1.7*10**17
NP1:Strike=310 Dip=56 Slip= 32
NP2: 200 64 142

17 08 12 21.15 43.303N 126.671W 10km
5.0mb ( 27 obs.) 4.7Msz ( 1 obs.)
OFF COAST OF OREGON
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Location:
Origin Time 08:12:22.5 1.2
Lat 43.60N 0.30 Lon 126.05W 0.36
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.51 | 44 | 287 |
| N | 0.03 | 12 | 28 |
| P | -1.54 | 44 | 130 |

Best Double Couple:Mo=1.5*10**17
NP1:Strike=298 Dip=12 Slip= 180
NP2: 28 90 78

18 14 24 48.19 6.552S 149.226E 40km
5.1mb ( 8 obs.) 4.8Msz ( 4 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 34C
Centroid Location:
Origin Time 14:24:56.5 0.5
Lat 6.58S 0.06 Lon 149.26E 0.06
Dep 18.4 4.4 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.81 | 55 | 34 |
| N | 0.49 | 7 | 294 |
| P | -2.30 | 34 | 199 |

Best Double Couple:Mo=2.1*10**17
NP1:Strike=261 Dip=13 Slip= 57
NP2: 115 79 97

19 15 32 58.87 54.09 S 137.26 W 10km
4.9mb ( 5 obs.) 5.0Msz ( 4 obs.)
SOUTH PACIFIC CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 33C
Centroid Location:
Origin Time 15:33: 4.1 0.4
Lat 54.57S 0.05 Lon 136.24W 0.07
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 8.89 | 0 | 157 |
| N | -0.75 | 90 | 180 |
| P | -8.14 | 0 | 67 |

Best Double Couple:Mo=8.5*10**16
NP1:Strike=202 Dip=90 Slip= 180
NP2: 292 90 0

20 09 23 36.29 52.577N 172.320E 33km
5.5mb ( 69 obs.) 5.6Msz ( 17 obs.)
NEAR ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 43C
Centroid Location:
Origin Time 09:23:38.3 0.2
Lat 52.88N 0.02 Lon 172.23E 0.05
Dep 32.7 1.9 Half-duration 3.6
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 9.53 | 52 | 312 |
| N | 1.56 | 23 | 75 |
| P | -11.09 | 28 | 178 |

Best Double Couple:Mo=1.0*10**18
NP1:Strike=312 Dip=27 Slip= 150
NP2: 69 77 67

20 21 11 00.06 0.917N 87.073W 10km
5.3mb ( 25 obs.) 5.1Msz ( 6 obs.)
GALAPAGOS ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 40C
Centroid Location:
Origin Time 21:11: 3.8 0.5
Lat 0.79N 0.04 Lon 87.04W 0.05
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 3.11 | 18 | 342 |
| N | -0.63 | 53 | 227 |
| P | -2.48 | 31 | 83 |

Best Double Couple:Mo=2.8*10**17
NP1:Strike=119 Dip=54 Slip= -10
NP2: 215 82 -144

21 06 11 33.99 23.010S 114.418W 10km
5.4mb ( 15 obs.) 4.9Msz ( 4 obs.)
EASTER ISLAND REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 22C
Centroid Location:
Origin Time 06:11:41.2 0.5
Lat 23.34S 0.10 Lon 114.05W 0.12
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 5.04 | 82 | 263 |
| N | 1.70 | 7 | 117 |
| P | -6.73 | 5 | 26 |

Best Double Couple:Mo=5.9*10**16
NP1:Strike=109 Dip=41 Slip= 79
NP2: 303 50 99

21 07 25 18.17 7.262S 128.699E 128km
5.5mb ( 44 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centroid Location:
Origin Time 07:25:22.0 0.5
Lat 7.26S 0.04 Lon 128.88E 0.08
Dep 146.4 2.1 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.46 | 74 | 338 |
| N | 0.08 | 14 | 127 |
| P | -1.54 | 8 | 219 |

Best Double Couple:Mo=1.5*10**17
NP1:Strike=325 Dip=39 Slip= 113
NP2: 117 55 73

21 17 47 30.20 51.937N 179.439E 95km
5.2mb ( 55 obs.)
RAT ISLANDS, ALEUTIAN ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 34C
Centroid Location:
Origin Time 17:47:34.6 0.9
Lat 51.86N 0.09 Lon 179.47E 0.13
Dep 88.4 5.0 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 5.59 | 31 | 62 |
| N | -0.98 | 59 | 255 |
| P | -4.61 | 6 | 156 |

Best Double Couple:Mo=5.1*10**16
NP1:Strike=203 Dip=64 Slip= 19
NP2: 105 73 153

21 23 25 51.84 21.049S 69.871W 74km
5.3mb ( 16 obs.)
NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 27C
Centroid Location:
Origin Time 23:26: 1.8 0.8
Lat 20.65S 0.12 Lon 70.04W 0.14
Dep 76.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 4.81 | 24 | 73 |
| N | -0.90 | 23 | 333 |
| P | -3.91 | 56 | 204 |

Best Double Couple:Mo=4.4*10**16
NP1:Strike=200 Dip=29 Slip= -38
NP2: 325 72 -114

22 00 04 33.35 26.021S 71.245E 10km
4.9mb ( 6 obs.) 5.4Msz ( 1 obs.)
MID-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 36C
Centroid Location:
Origin Time 00:04:42.0 0.5
Lat 25.53S 0.06 Lon 70.56E 0.06
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 9.22 | 0 | 224 |
| N | -0.19 | 0 | 134 |
| P | -9.03 | 90 | 180 |

Best Double Couple:Mo=9.1*10**16
NP1:Strike=314 Dip=45 Slip= -90
NP2: 134 45 -90

22 00 21 19.92 5.729S 104.239E 23km
5.2mb ( 24 obs.) 4.8Msz ( 3 obs.)
SOUTHERN SUMATERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 00:21:32.5 1.8
Lat 5.34S 0.14 Lon 105.04E 0.18
Dep 21.2 6.7 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 9.59 | 51 | 104 |
| N | 0.26 | 37 | 303 |
| P | -9.85 | 9 | 206 |

Best Double Couple:Mo=9.7*10**16
NP1:Strike=260 Dip=48 Slip= 36
NP2: 144 64 132

22 04 58 53.91 29.702N 130.697E 22km
5.1mb ( 24 obs.) 5.3Msz ( 4 obs.)
RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 04:59: 1.7 0.7
Lat 29.38N 0.10 Lon 129.82E 0.15
Dep 37.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 6.95 | 65 | 336 |
| N | 0.82 | 14 | 213 |
| P | -7.77 | 20 | 118 |

Best Double Couple:Mo=7.4*10**16
NP1:Strike=185 Dip=28 Slip= 58

NP2: 40 67 105

22 12 12 13.50 26.350S 175.417W 35km
5.4mb ( 15 obs.) 5.0Msz ( 2 obs.)
SOUTH OF TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 12:12:16.1 0.6
Lat 26.15S 0.06 Lon 175.40W 0.06
Dep 16.9 3.3 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.32 Plg= 1 Azm= 87
N -0.25 17 177
P -1.08 73 353
Best Double Couple:Mo=1.2*10**17
NP1:Strike=160 Dip=46 Slip=-114
NP2: 13 49 -67

22 13 10 33.52 20.131S 173.639W 33km
5.2mb ( 15 obs.) 4.7Msz ( 1 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 26C
Centroid Location:
Origin Time 13:10:27.4 1.9
Lat 19.87S 0.12 Lon 174.23W 0.18
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 10.61 Plg=36 Azm=297
N -1.39 5 31
P -9.22 53 127
Best Double Couple:Mo=9.9*10**16
NP1:Strike= 2 Dip=10 Slip=-119
NP2: 212 82 -85

22 16 44 35.53 19.204S 169.089E 158km
5.2mb ( 17 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 36C
Centroid Location:
Origin Time 16:44:40.8 0.4
Lat 19.26S 0.04 Lon 168.57E 0.04
Dep 155.7 1.1 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.87 Plg=48 Azm=115
N -0.06 25 354
P -3.81 31 248
Best Double Couple:Mo=3.8*10**17
NP1:Strike=288 Dip=27 Slip= 21
NP2: 179 81 115

23 00 59 44.37 52.903N 159.848E 33km
5.5mb ( 74 obs.) 4.8Msz ( 2 obs.)
OFF EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 28C
Centroid Location:
Origin Time 00:59:49.4 1.9
Lat 52.44N 0.12 Lon 160.45E 0.23
Dep 38.7 7.4 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.79 Plg=63 Azm=244
N -0.70 23 33
P -6.09 12 128
Best Double Couple:Mo=6.4*10**16
NP1:Strike=245 Dip=39 Slip= 129
NP2: 19 61 63

23 04 53 29.07 5.924N 126.271E 75km
5.2mb ( 28 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 32C
Centroid Location:
Origin Time 04:53:29.3 0.3
Lat 5.88N 0.04 Lon 126.39E 0.04
Dep 48.3 2.7 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.61 Plg=75 Azm=247
N 0.04 9 13
P -1.65 12 105

Best Double Couple:Mo=1.6*10**17
NP1:Strike=206 Dip=34 Slip= 106
NP2: 7 57 80

24 14 37 16.49 10.913S 166.154E 171km
5.5mb ( 41 obs.)
SANTA CRUZ ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 39C
Centroid Location:
Origin Time 14:37:18.6 0.3
Lat 11.13S 0.03 Lon 166.16E 0.04
Dep 162.8 1.1 Half-durotion 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 4.61 Plg=62 Azm=144
N -1.43 28 317
P -3.18 3 48
Best Double Couple:Mo=3.9*10**17
NP1:Strike=165 Dip=49 Slip= 129
NP2: 294 54 54

25 16 46 13.38 5.409N 36.751E 12km
5.6mb ( 55 obs.) 6.2Msz ( 4 obs.)
ETHIOPIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=120 Dip=85 Slip= -90
NP2: 300 5 -90
Principal Axes:
T Plg=40 Azm=210
P 50 30
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 1.6±0.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 9 No. of sta: 13
Principal Axes:
Scale 10**18 Nm
T Val= 2.67 Plg=30 Azm=196
N 0.04 25 301
P -2.71 50 63
Best Double Couple:Mo=2.7*10**18
NP1:Strike=238 Dip=27 Slip=-156
NP2: 126 79 -65
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 42C
Centroid Location:
Origin Time 16:46:22.9 0.7
Lat 5.77N 0.07 Lon 36.40E 0.07
Dep 15.0 FIX Half-duration 4.9
Principal Axes:
Scale 10**18 Nm
T Val= 2.65 Plg=12 Azm=115
N -0.26 23 20
P -2.39 64 232
Best Double Couple:Mo=2.5*10**18
NP1:Strike=232 Dip=38 Slip= -51
NP2: 7 61 -116

25 16 54 05.69 2.323S 138.364E 33km
6.2mb ( 43 obs.) 7.0Msz ( 19 obs.)
WEST IRIAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 25 Dip=58 Slip= 148
NP2: 133 63 36
Principal Axes:
T Plg=44 Azm=351
P 3 258
Comment: The focal mechanism is poorly controlled and corresponds to strike-slip faulting with a large reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 10 Focal mech. F
Energy 5.2±1.2*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 14 No. of sta: 9
Principal Axes:
Scale 10**18 Nm
T Val= 8.51 Plg=58 Azm= 8
N 1.13 27 154
P -9.65 15 252
Best Double Couple:Mo=9.1*10**18
NP1:Strike= 15 Dip=38 Slip= 138

NP2: 140 66 60
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 42C M.W.: 14S, 34C
Centroid Location:
Origin Time 16:54:15.5 0.2
Lat 1.91S 0.01 Lon 138.64E 0.01
Dep 15.0 FIX Half-duration 10.0
Principal Axes:
Scale 10**19 Nm
T Val= 1.89 Plg=62 Azm= 31
N 0.01 21 165
P -1.89 19 262
Best Double Couple:Mo=1.9*10**19
NP1:Strike= 22 Dip=32 Slip= 132
NP2: 155 67 68

25 22 52 48.27 7.061S 129.865E 94km
5.3mb ( 14 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 22:52:52.1 0.9
Lat 6.95S 0.07 Lon 129.99E 0.12
Dep 104.0 4.7 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 9.35 Plg=75 Azm=329
N 0.95 14 122
P -10.30 7 213
Best Double Couple:Mo=9.8*10**16
NP1:Strike=319 Dip=40 Slip= 112
NP2: 111 53 73

26 18 56 26.47 18.983N 145.578E 146km
5.0mb ( 19 obs.)
MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 21C
Centroid Location:
Origin Time 18:56:28.0 1.2
Lat 19.12N 0.12 Lon 145.02E 0.13
Dep 112.710.5 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 4.87 Plg=35 Azm=204
N -1.26 14 104
P -3.61 51 356
Best Double Couple:Mo=4.2*10**16
NP1:Strike=342 Dip=16 Slip= -31
NP2: 102 82 -104

27 10 22 45.04 12.160N 144.115E 40km
5.4mb ( 25 obs.) 5.1Msz ( 5 obs.)
SOUTH OF MARIANA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 10:22:46.6 0.4
Lat 12.17N 0.05 Lon 144.02E 0.08
Dep 22.4 4.5 Half-duration 2.0
Principal Axes:
Scale 10**16 Nm
T Val= 11.16 Plg=60 Azm=282
N 1.90 18 47
P -13.05 23 145
Best Double Couple:Mo=1.2*10**17
NP1:Strike=267 Dip=27 Slip= 133
NP2: 40 71 71

27 12 57 59.42 21.360S 178.805W 534km
5.5mb ( 39 obs.)
FIJI ISLANDS REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=110 Dip=75 Slip= -90
NP2: 290 15 -90
Principal Axes:
T Plg=30 Azm=200
P 60 20
Comment: The focal mechanism is poorly controlled and corresponds to normal faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 548 No. of sta: 10
Principal Axes:
Scale 10**17 Nm
T Val= 6.25 Plg=20 Azm=239

N 0.00 44 129
P -6.25 39 346
Best Double Couple:Mo=6.3*10**17
NP1:Strike= 15 Dip=47 Slip= -16
NP2: 117 78 -135
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 37C
Centroid Location:
Origin Time 12:58: 5.0 0.3
Lat 21.48S 0.03 Lon 178.87W 0.03
Dep 546.9 1.5 Half-duration 3.1
Principal Axes:
Scale 10**17 Nm
T Val= 5.99 Plg=23 Azm=226
N 0.59 39 116
P -6.58 42 339
Best Double Couple:Mo=6.3*10**17
NP1:Strike= 4 Dip=42 Slip= -17
NP2: 107 79 -130

27 21 58 17.00 28.676S 62.929W 605km
6.0mb ( 72 obs.)
SANTIAGO DEL ESTERO PROV., ARG.
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=192 Dip=79 Slip= -75
NP2: 317 19 -143
Principal Axes:
T Plg=32 Azm=269
P 54 120
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a small right-lateral strike-slip component. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 5 Focal mech. M
Energy 3.7±1.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 616 No. of sta: 6
Principal Axes:
Scale 10**18 Nm
T Val= 4.77 Plg=37 Azm=279
N -0.24 9 16
P -4.53 52 117
Best Double Couple:Mo=4.6*10**18
NP1:Strike=327 Dip=11 Slip=-139
NP2: 197 83 -81
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 50C M.W.: 16S, 34C
Centroid Location:
Origin Time 21:58:23.8 0.1
Lat 28.65S 0.01 Lon 63.00W 0.02
Dep 603.6 0.9 Half-duration 6.2
Principal Axes:
Scale 10**18 Nm
T Val= 5.29 Plg=37 Azm=280
N -0.31 1 11
P -4.98 53 102
Best Double Couple:Mo=5.1*10**18
NP1:Strike= 4 Dip= 8 Slip= -97
NP2: 191 82 -89

28 08 58 29.19 5.740N 36.730E 10km
5.4mb ( 51 obs.) 5.6Msz ( 16 obs.)
ETHIOPIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 47C
Centroid Location:
Origin Time 08:58:36.4 0.2
Lat 5.92N 0.02 Lon 36.65E 0.03
Dep 15.0 FIX Half-duration 3.8
Principal Axes:
Scale 10**17 Nm
T Val= 11.81 Plg= 0 Azm=113
N -1.71 8 23
P -10.10 82 205
Best Double Couple:Mo=1.1*10**18
NP1:Strike=211 Dip=45 Slip= -78
NP2: 15 46 -102

28 18 21 29.34 28.294S 176.749W 34km
5.4mb ( 14 obs.) 5.4Msz ( 10 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 36C
Centroid Location:
Origin Time 18:21:37.5 0.5
Lat 28.34S 0.04 Lon 176.70W 0.05
Dep 16.6 2.2 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.00 Plg=62 Azm=221
N -0.40 22 0
P -2.60 17 97
Best Double Couple:Mo=2.8*10**17
NP1:Strike=216 Dip=34 Slip= 132
NP2: 349 65 66

28 22 41 53.70 28.320S 176.610W 33km
4.9mb ( 4 obs.) 5.1Msz ( 2 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 33C
Centroid Location:
Origin Time 22:42: 0.4 1.0
Lat 28.28S 0.07 Lon 176.61W 0.09
Dep 18.9 3.9 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 8.18 Plg=65 Azm=243
N 1.52 15 9
P -9.71 19 105
Best Double Couple:Mo=8.9*10**16
NP1:Strike=218 Dip=29 Slip= 122
NP2: 2 66 73

29 20 23 41.00 4.817N 127.688E 153km
6.1mb ( 62 obs.)
TALAUD ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=165 Dip=70 Slip= 70
NP2: 32 28 133
Principal Axes:
T Plg=60 Azm= 46
P 22 270
Comment: The focal mechanism is moderately well controlled and corresponds to reverse faulting with a moderate left-lateral strike-slip component. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 4.5±1.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 139 No. of sta: 13
Principal Axes:
Scale 10**19 Nm
T Val= 1.56 Plg=51 Azm= 43
N 0.06 20 160
P -1.62 32 263
Best Double Couple:Mo=1.6*10**19
NP1:Strike= 41 Dip=23 Slip= 153
NP2: 156 80 70
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 49C M.W.: 15S, 38C
Centroid Location:
Origin Time 20:23:44.9 0.1
Lat 4.78N 0.01 Lon 127.67E 0.01
Dep 141.6 0.5 Half-duration 9.4
Principal Axes:
Scale 10**19 Nm
T Val= 1.70 Plg=56 Azm= 38
N -0.05 23 168
P -1.65 23 268
Best Double Couple:Mo=1.7*10**19
NP1:Strike= 35 Dip=30 Slip= 141
NP2: 160 72 66

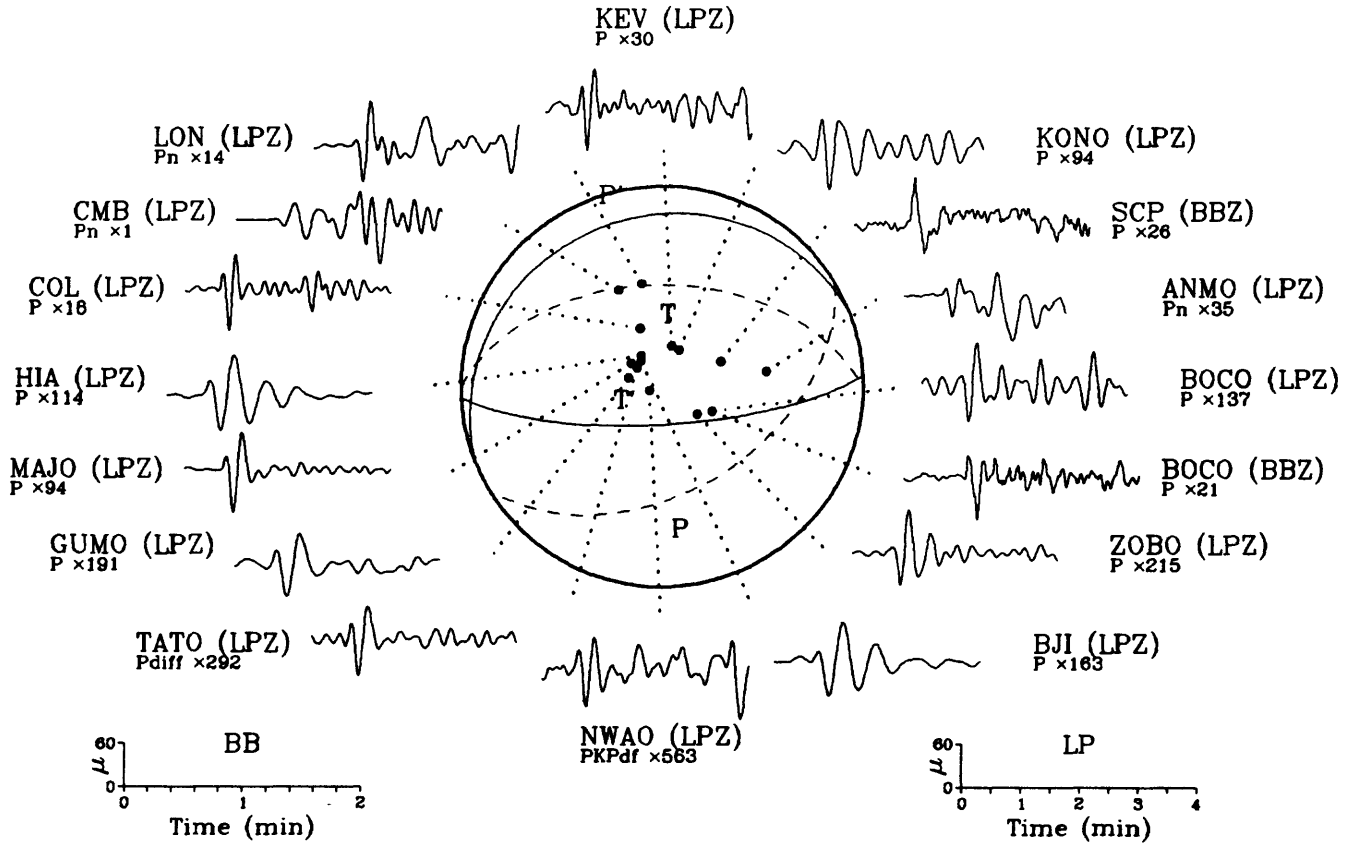
31 00 49 33.81 5.535S 147.168E 176km
5.3mb ( 8 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 20C
Centroid Location:
Origin Time 00:49:37.3 1.0
Lat 5.76S 0.09 Lon 147.09E 0.10
Dep 171.1 3.9 Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.86 Plg=42 Azm= 94
N 1.36 34 327
P -8.22 29 215
Best Double Couple:Mo=7.5*10**16
NP1:Strike=252 Dip=35 Slip= 13
NP2: 152 83 124

31 05 11 17.95 25.789S 69.787W 70km
5.1mb ( 14 obs.)
NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 20C
Centroid Location:
Origin Time 05:11:25.3 0.9
Lat 26.15S 0.10 Lon 70.80W 0.14
Dep 66.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 4.52 Plg=12 Azm=204
N 0.68 58 93
P -5.19 29 301
Best Double Couple:Mo=4.9*10**16
NP1:Strike=338 Dip=60 Slip= -13
NP2: 75 79 -149

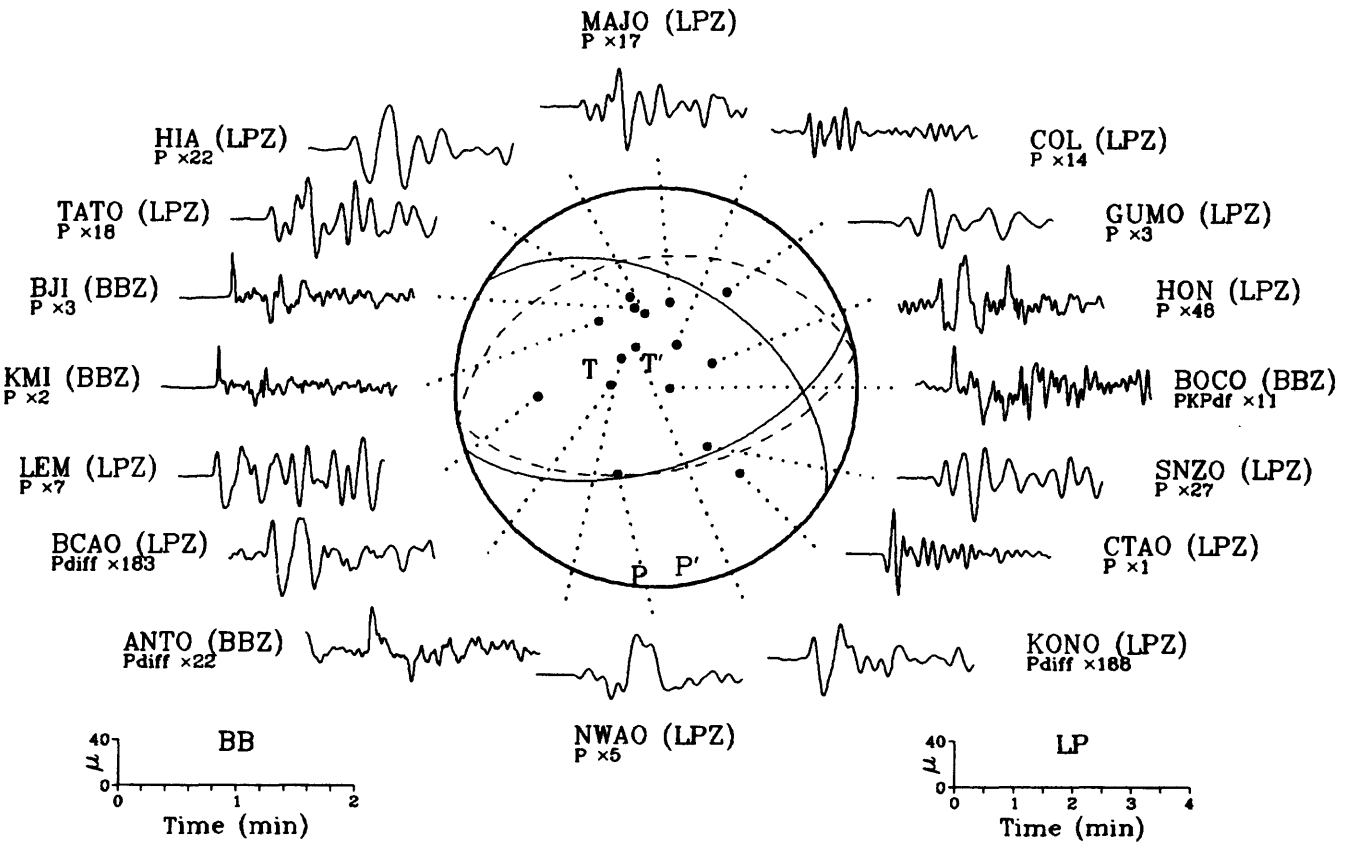
31 08 52 30.94 6.949S 80.548W 33km
5.4mb ( 34 obs.) 5.3Msz ( 7 obs.)
NEAR COAST OF NORTHERN PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 18S, 41C
Centroid Location:
Origin Time 08:52:35.6 0.2
Lat 7.05S 0.03 Lon 80.86W 0.03
Dep 22.1 2.0 Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 6.67 Plg=65 Azm= 84
N 0.19 3 348
P -6.86 25 257
Best Double Couple:Mo=6.8*10**17
NP1:Strike=341 Dip=20 Slip= 82
NP2: 169 70 93

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Persan, Bruce W. Presgrove and William H. Schmieder.

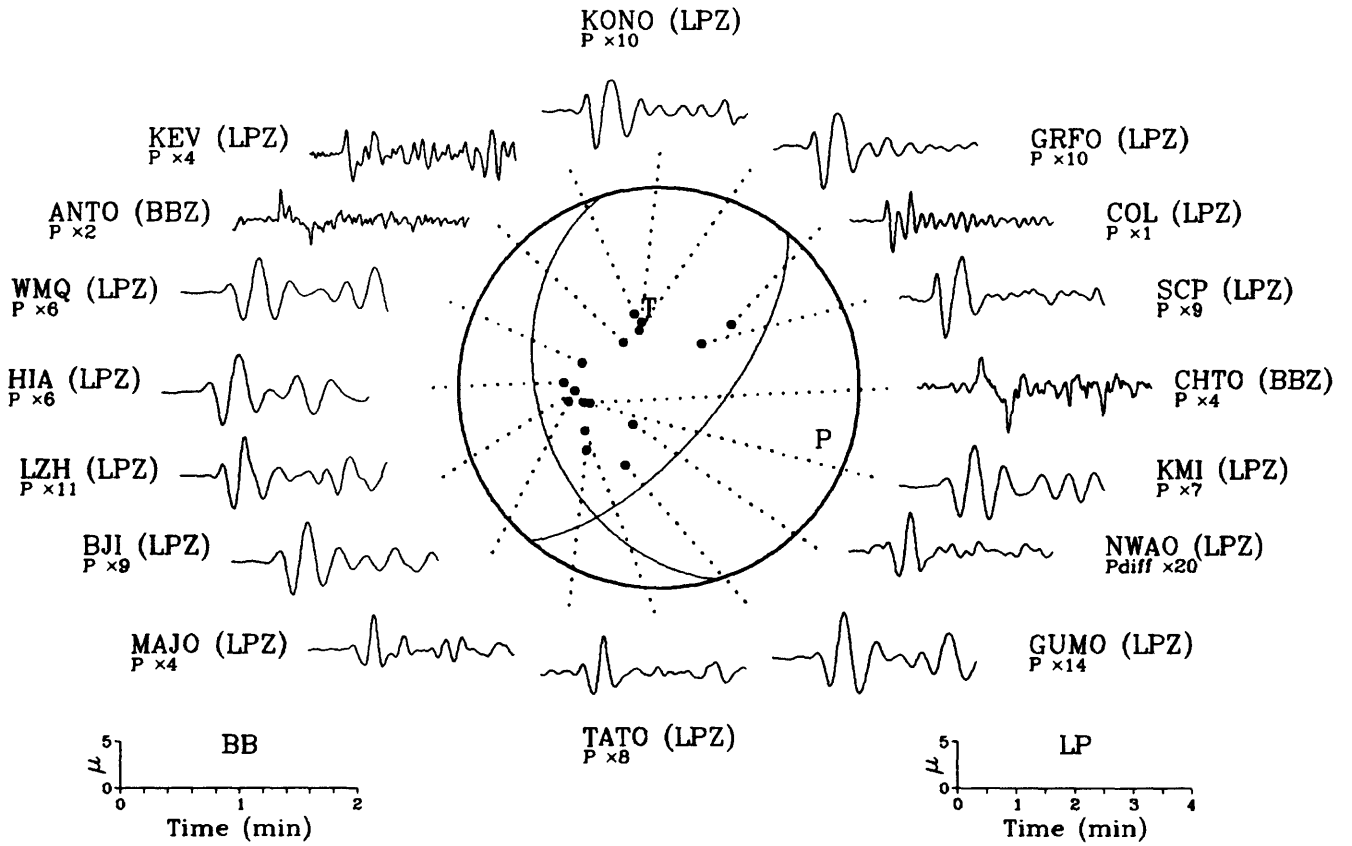
## 01 October 1987 14:42:20.00
## Southern California



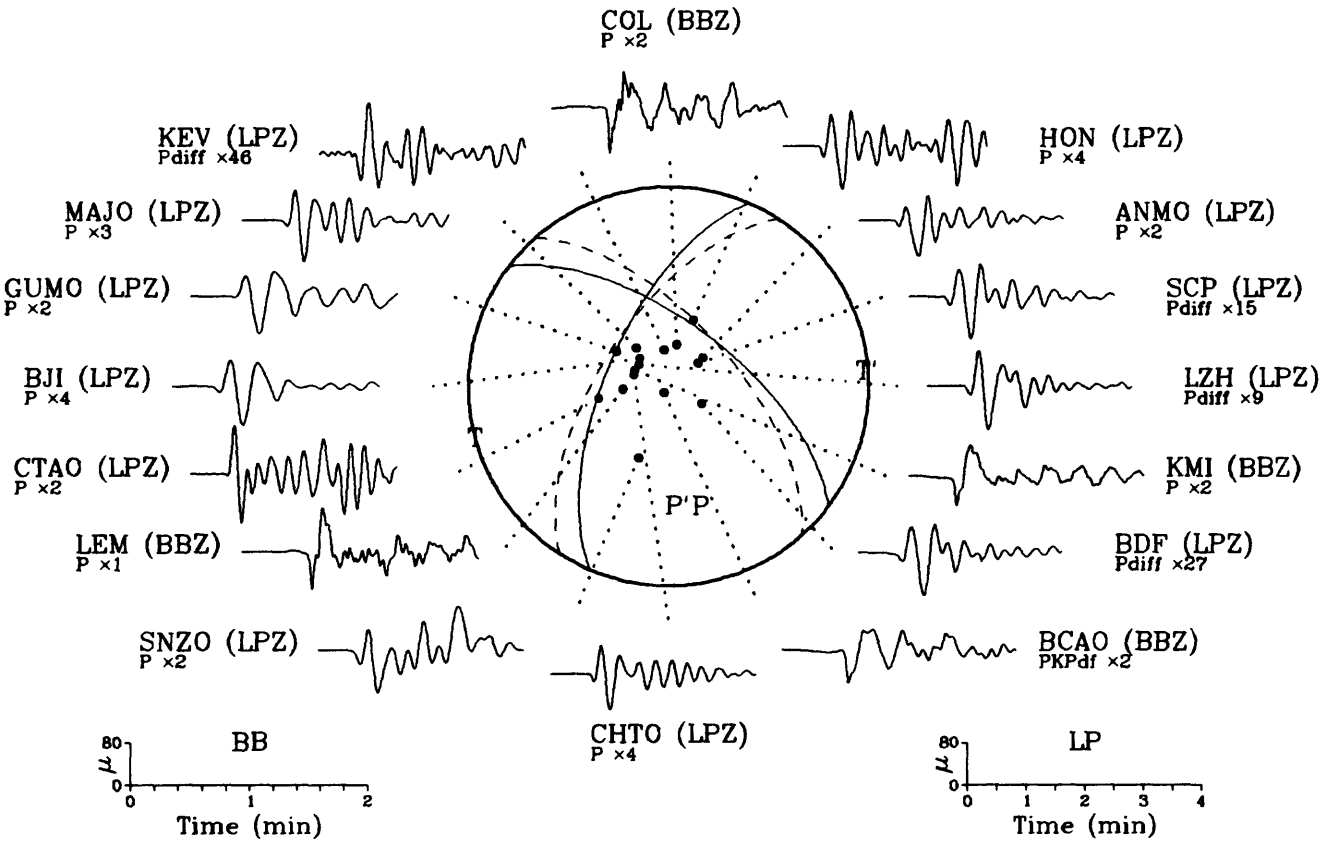

## 03 October 1987 10:16:26.27
## Banda Sea



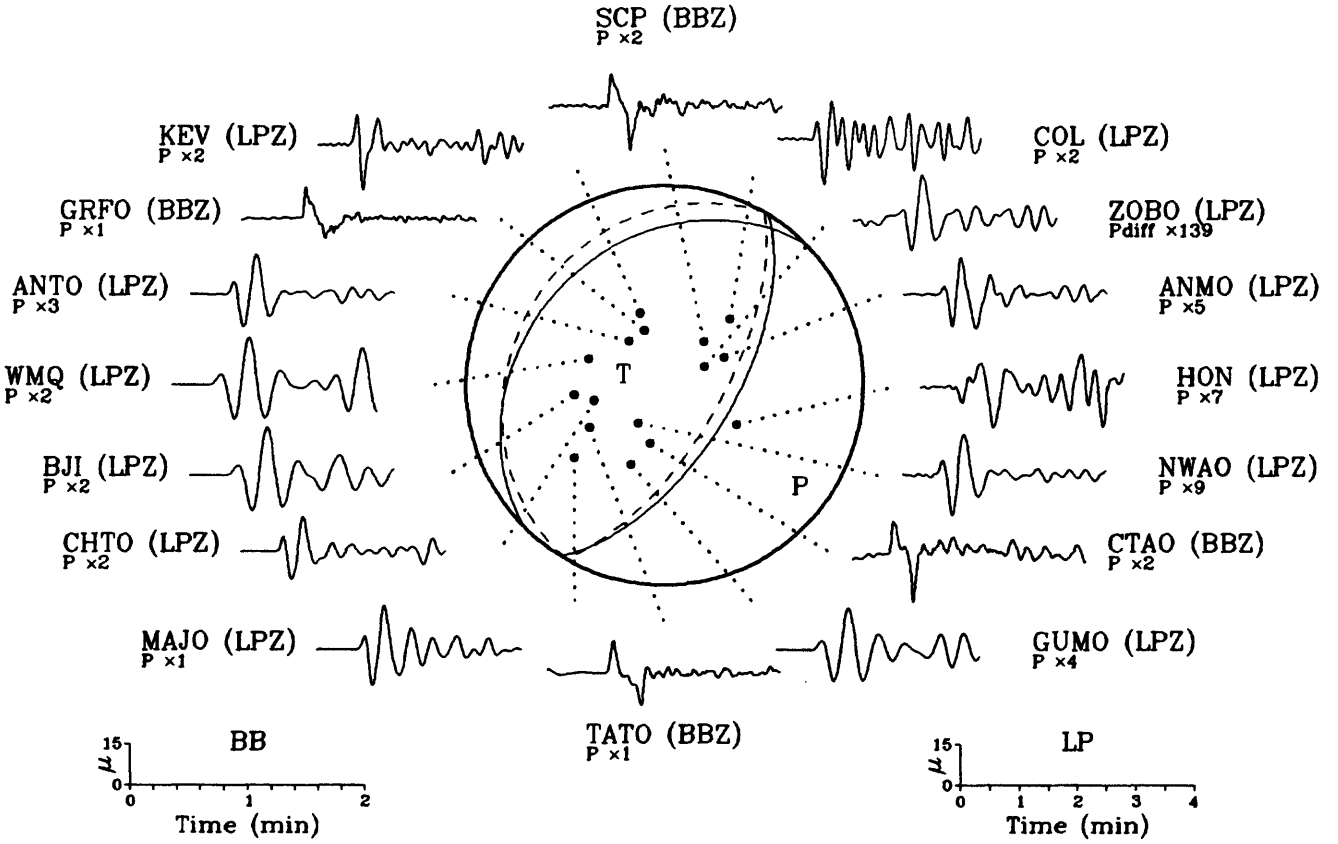
## 04 October 1987 18:34:22.61
## Near East Coast of Kamchatka



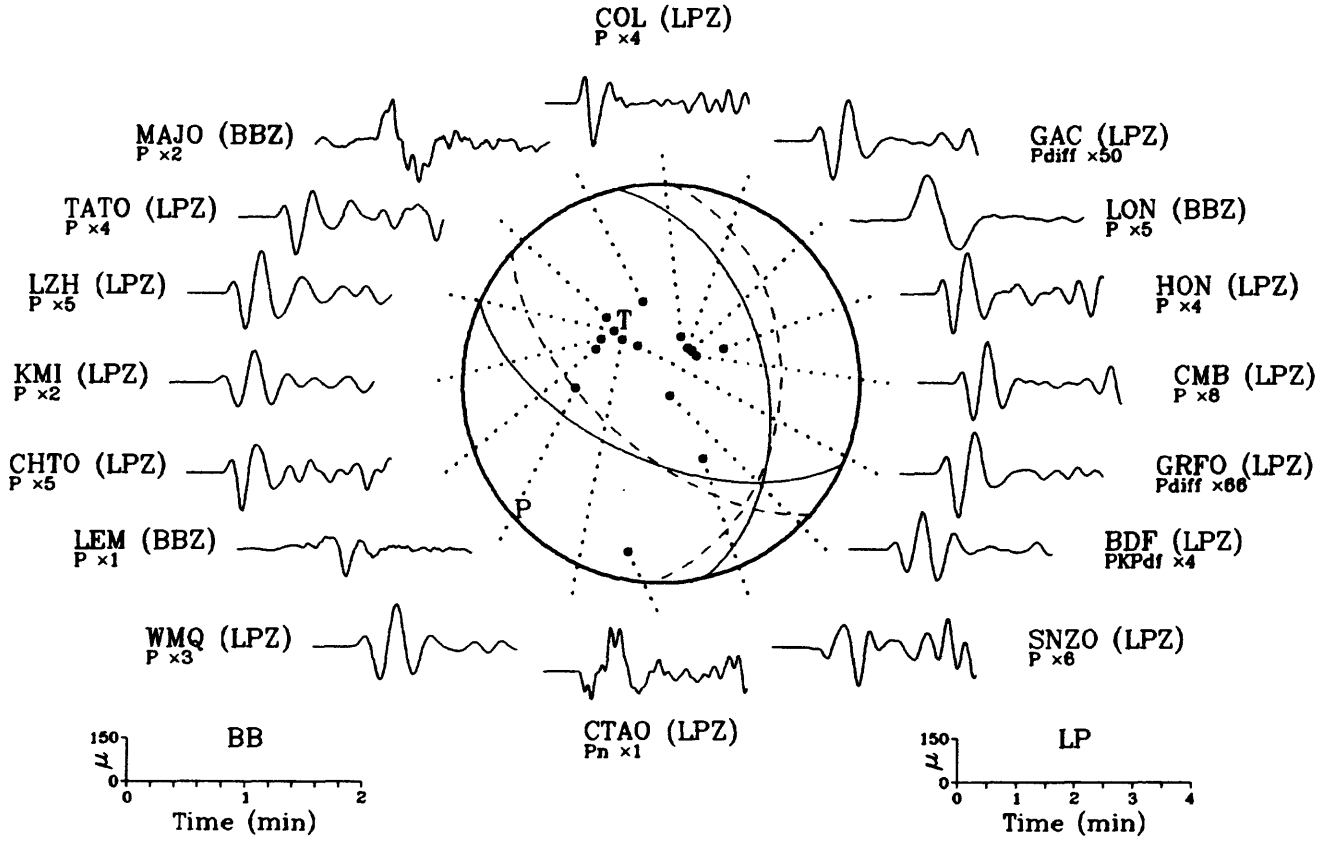

## 06 October 1987 04:19:06.08
## Tonga Islands Region



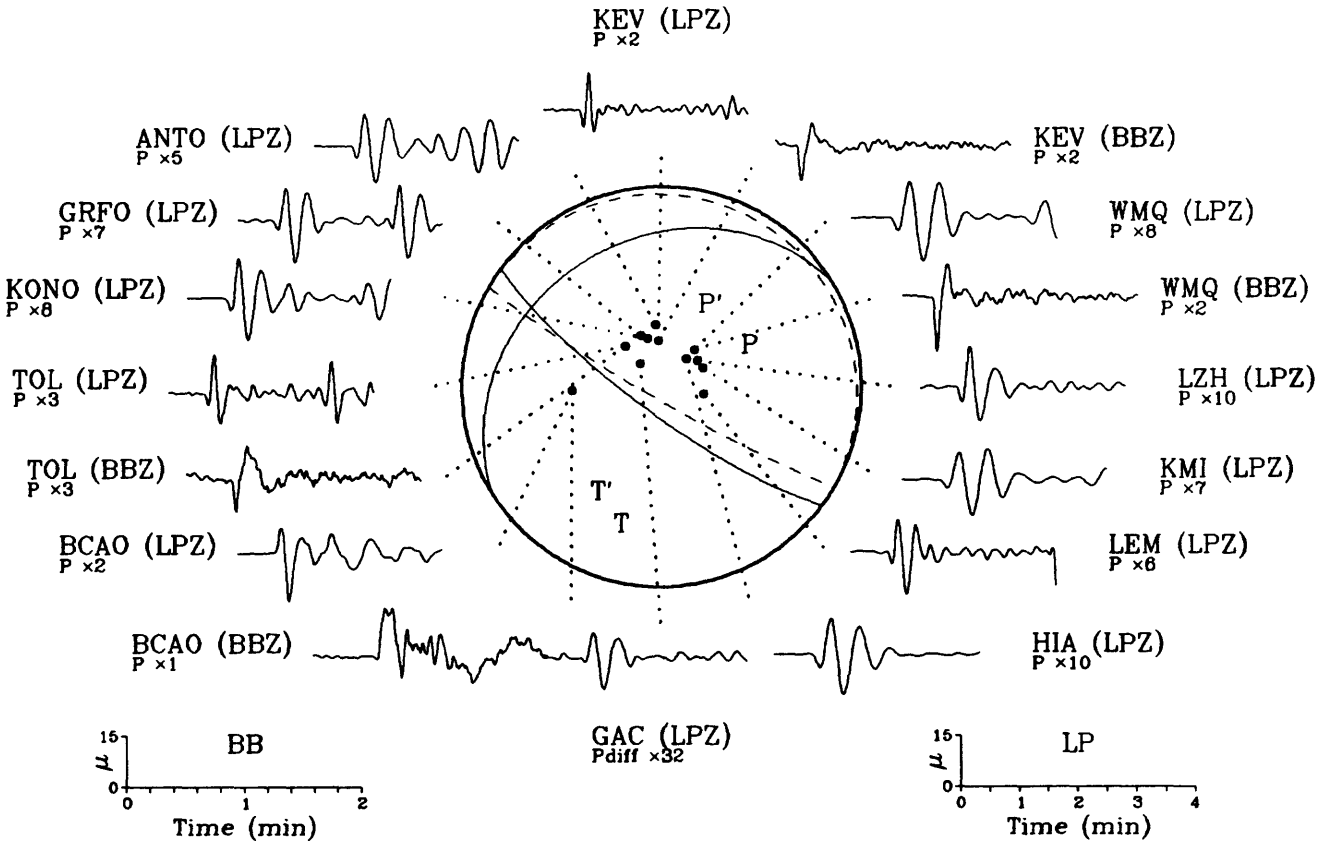
## 06 October 1987 20:11:35.14
## Off East Coast of Kamchatka



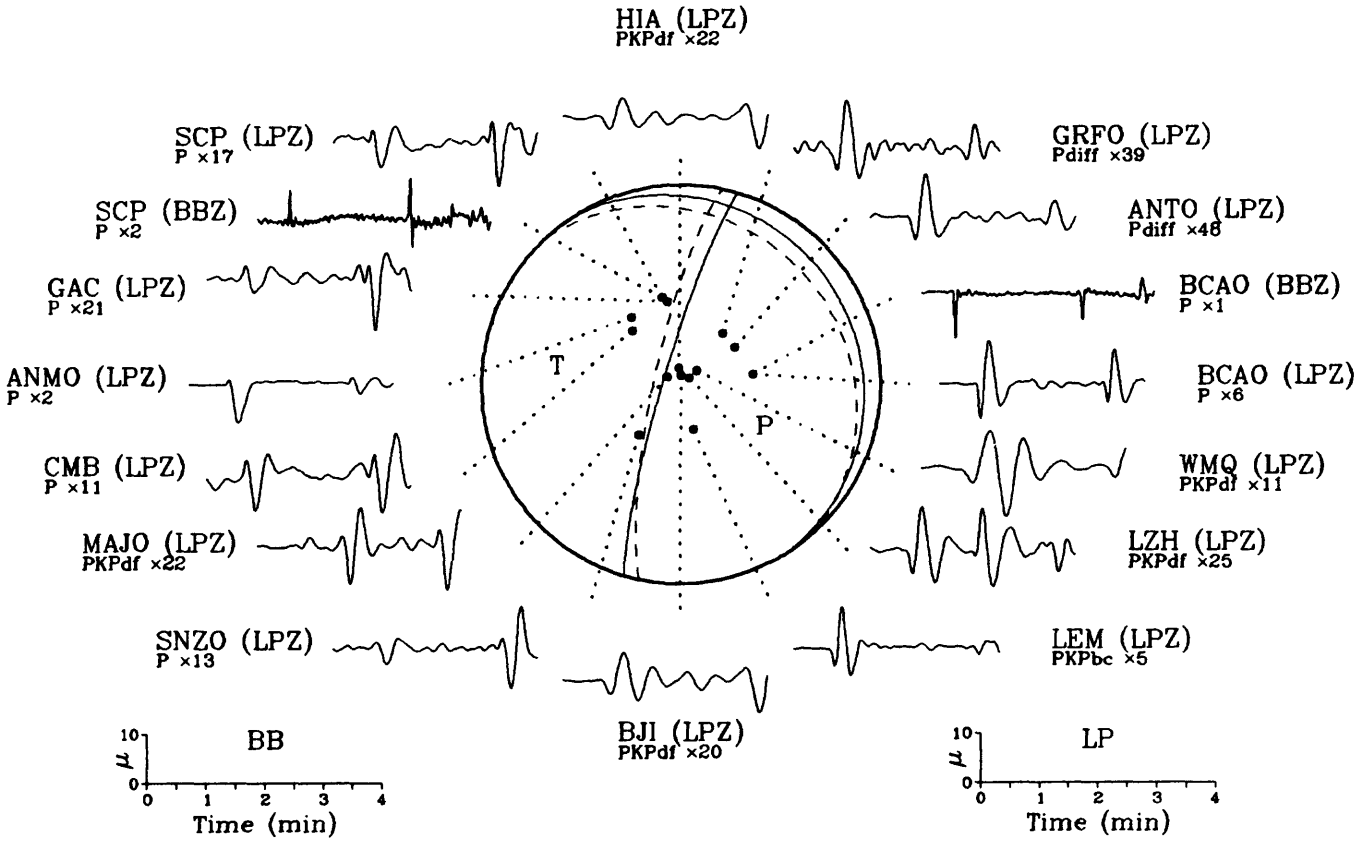

## 16 October 1987 20:48:01.64
## New Britain Region



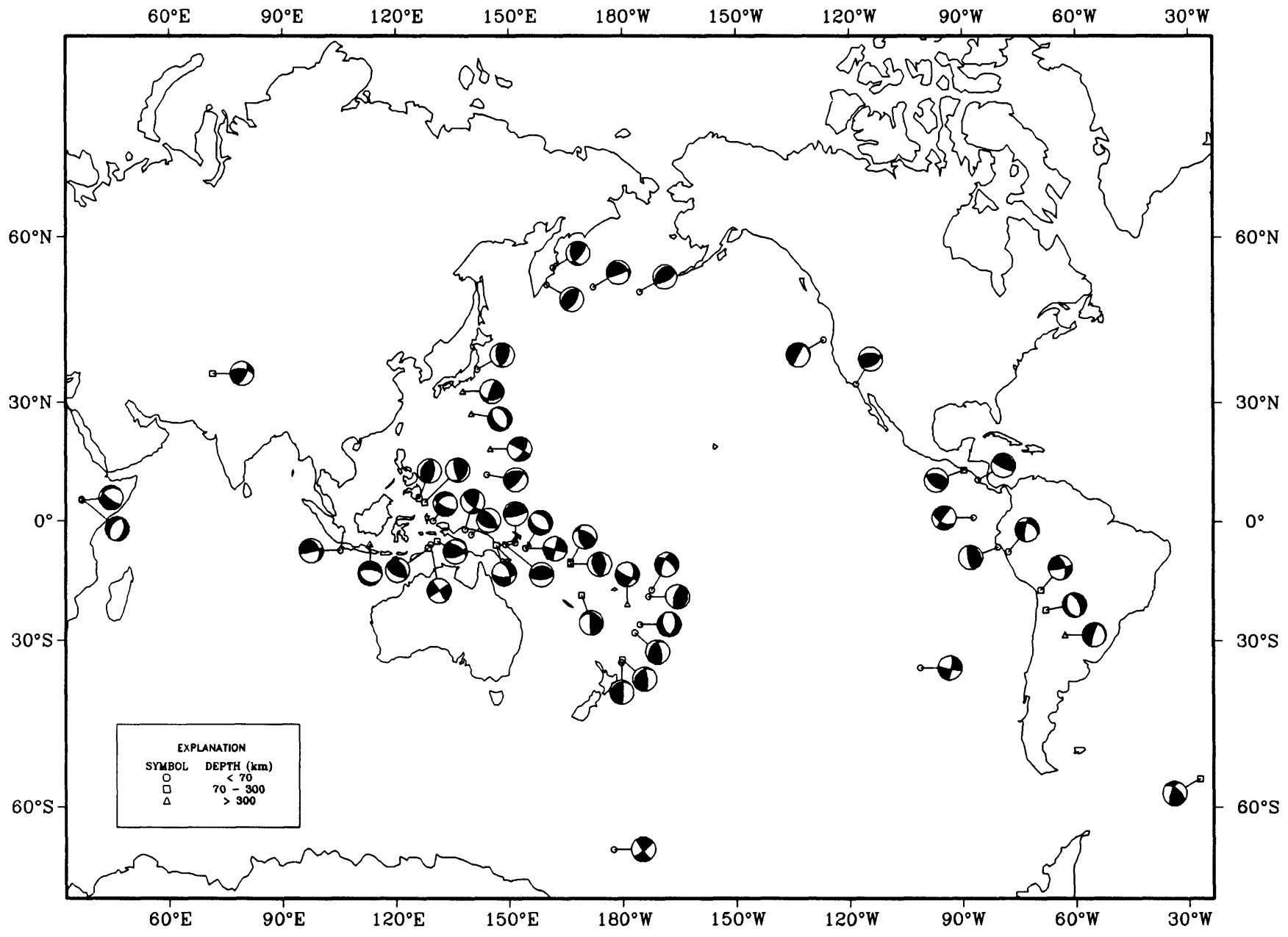
## 25 October 1987 16:46:13.38
## Ethiopia

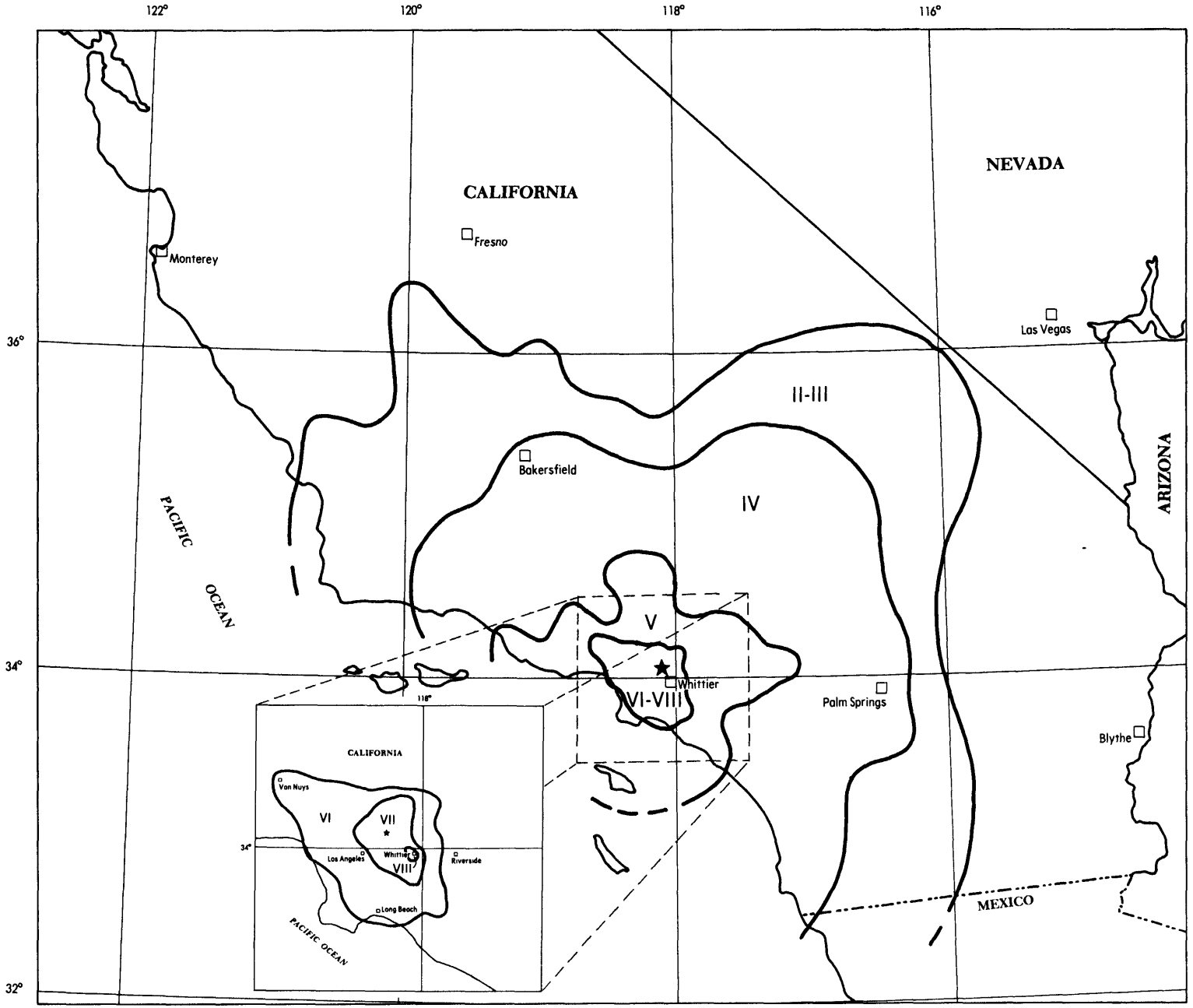



## 27 October 1987 21:58:17.00
## Santiago Del Estero Prov., Arg.

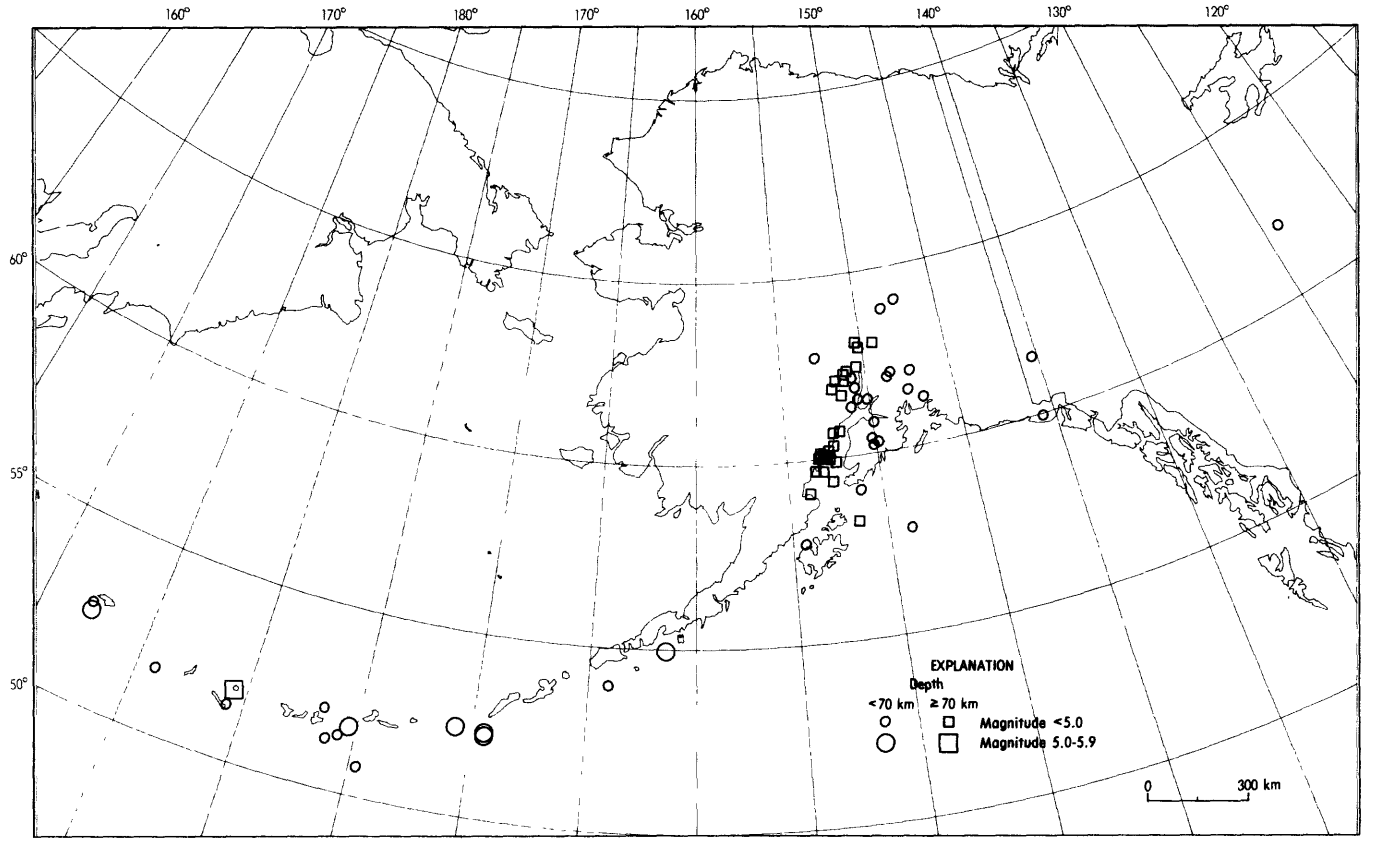


# Earthquake Focal Mechanisms for October 1987

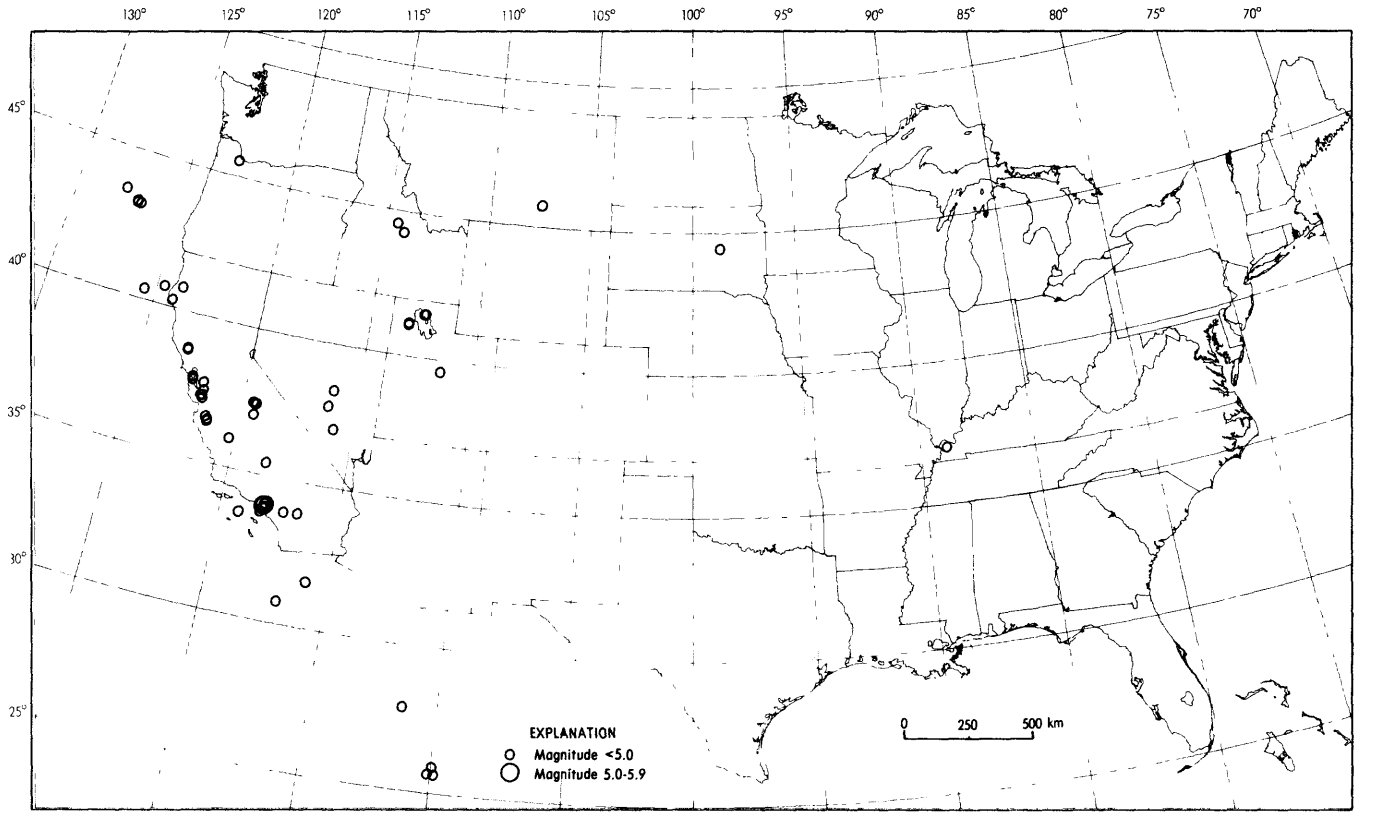




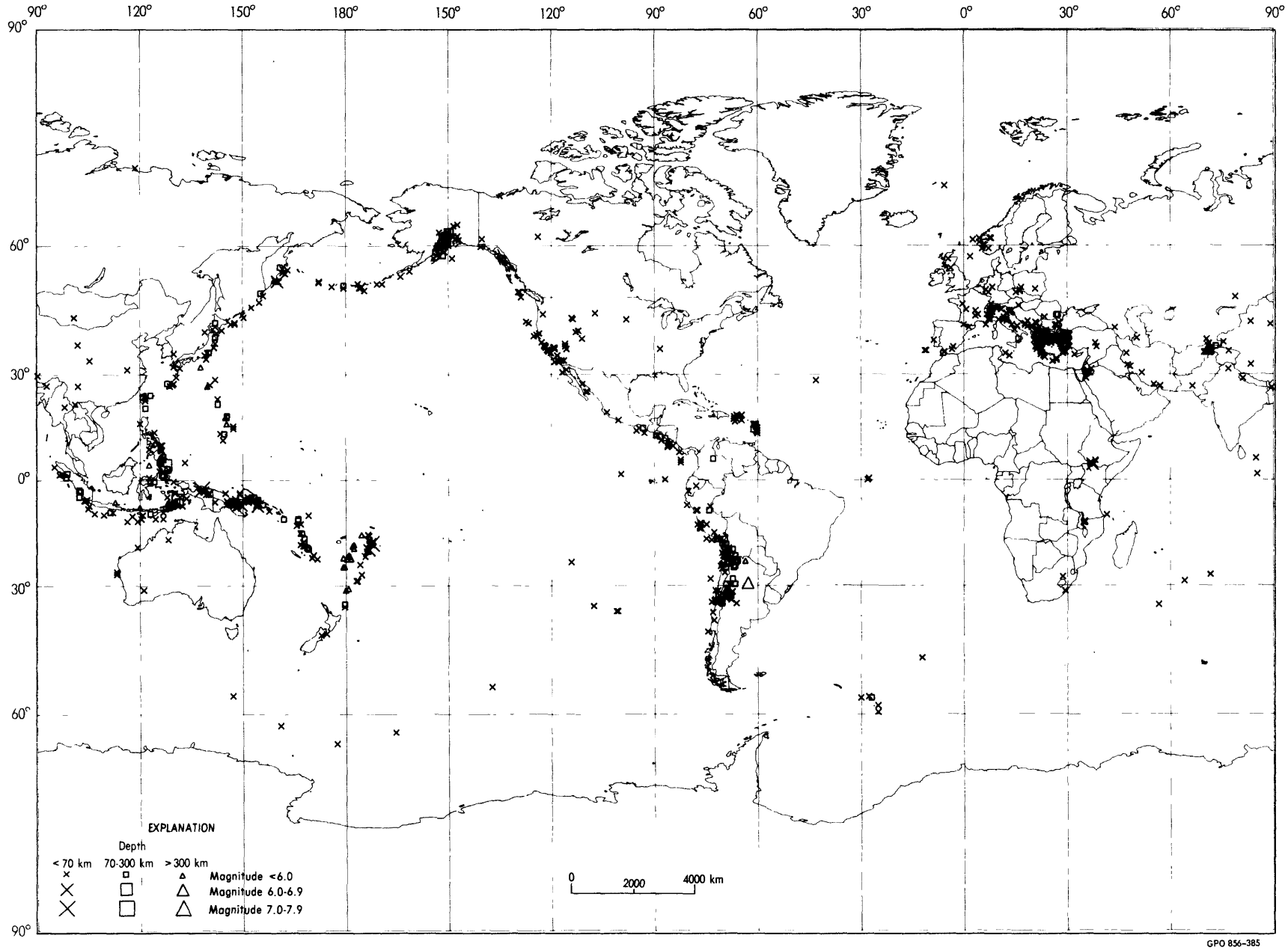

Preliminary isoseismal map for the October 1, 1987, Whittier Narrows earthquake (C. Stover).




Earthquake epicenters in Alaska and adjacent regions for October, 1987 (C. Stover).




Earthquake epicenters in the conterminous United States and adjacent regions for October, 1987 (C. Stover).




Earthquakes located in October, 1987 (C. Stover).

# PRELIMINARY DETERMINATION OF EPICENTERS

## MONTHLY LISTING

U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

National Earthquake Information Center

## NOVEMBER 1987

| KEY | DAY | ORIGIN TIME UTC HR | MN | SEC | GEOGRAPHIC COORDINATES LAT | | LONG | | DEPTH | | MAGNITUDES GS | MB | Msz | SD | NO. STA USED | REGION, CONTRIBUTED MAGNITUDES AND COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 01 | 00 | 12 | 41.1 | 40.433 | N | 28.412 | E | 10 | G | | | | 0.6 | 8 | TURKEY |
| | 01 | 00 | 46 | 55.5% | 40.449 | N | 28.415 | E | 10 | G | | | | 0.5 | 9 | TURKEY |
| | 01 | 01 | 42 | 53.7& | 38.793 | N | 122.742 | W | 13 | | | | | | 18 | NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). |
| | 01 | 04 | 33 | 06.2* | 11.662 | S | 117.770 | E | 33 | N | | | | 1.3 | 8 | SOUTH OF SUMBAWA ISLAND |
| | 01 | 08 | 12 | 56.9* | 14.074 | S | 166.210 | E | 33 | N | 5.0 | 4.1 | | 1.4 | 32 | VANUATU ISLANDS |
| f | 01 | 08 | 42 | 06.5 | 28.674 | S | 177.553 | W | 60 | | 6.1 | | | 0.9 | 256 | KERMADEC ISLANDS REGION. Ms 6.0 (BRK), 5.6 (PAS). |
| | 01 | 09 | 52 | 46.1 | 5.062 | S | 151.414 | E | 113 | | 4.8 | | | 1.0 | 20 | NEW BRITAIN REGION |
| | 01 | 10 | 01 | 59.1* | 26.043 | S | 175.928 | W | 42 | D | 5.0 | | | 1.1 | 15 | SOUTH OF TONGA ISLANDS |
| | 01 | 10 | 16 | 19.0 | 47.291 | N | 9.585 | E | 5 | G | | | | 1.2 | 29 | GERMANY. ML 3.0 (GRF), 2.9 (LDG), 2.8 (KBA). Felt (V) in the Feldkirch-Schlins area. |
| | 01 | 11 | 57 | 56.8* | 9.708 | N | 93.922 | E | 33 | N | 4.1 | | | 1.3 | 8 | NICOBAR ISLANDS REGION |
| | 01 | 13 | 06 | 21.7* | 54.492 | N | 159.997 | E | 33 | N | 4.5 | | | 1.2 | 21 | NEAR EAST COAST OF KAMCHATKA |
| | 01 | 14 | 37 | 44.2* | 29.688 | N | 90.003 | E | 33 | N | 4.3 | | | 1.1 | 6 | TIBET |
| | 01 | 16 | 00 | 03.4& | 59.723 | N | 153.018 | W | 99 | | | | | | 27 | SOUTHERN ALASKA. <AGS-P>. |
| | 01 | 16 | 51 | 18.9* | 3.079 | S | 136.687 | E | 33 | N | 4.3 | | | 0.7 | 9 | WEST IRIAN |
| | 01 | 17 | 00 | 22.8 | 32.408 | N | 26.269 | E | 33 | N | 4.0 | | | 1.0 | 29 | EASTERN MEDITERRANEAN SEA |
| | 01 | 17 | 03 | 35.8* | 6.908 | S | 154.101 | E | 33 | N | 4.2 | | | 1.3 | 9 | SOLOMON ISLANDS |
| a | 01 | 19 | 03 | 05.3 | 55.504 | S | 27.846 | W | 30 | D | 5.3 | 5.1 | | 1.0 | 56 | SOUTH SANDWICH ISLANDS REGION |
| | 01 | 19 | 19 | 21.8* | 9 373 | S | 125.960 | E | 33 | N | | | | 1.4 | 9 | TIMOR |
| | 01 | 20 | 39 | 30.9 | 65.080 | N | 11.750 | E | 10 | G | | | | 1.1 | 19 | NORTHERN NORWAY ML 3 6 (NAO), MD 3.3 (BER). Felt. |
| | 01 | 21 | 03 | 30.8* | 6.822 | N | 73.004 | W | 161 | * | 4.4 | | | 1.5 | 16 | NORTHERN COLOMBIA |
| | 01 | 21 | 46 | 11.0 | 47.655 | N | 22.548 | E | 92 | ? | 3.3 | | | 1.0 | 12 | ROMANIA |
| | 01 | 22 | 11 | 13.4& | 37.297 | N | 121.685 | W | 7 | | | | | | 19 | CENTRAL CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=5.9*10**13 Nm (BRK). Felt at San Jose. |
| a | 01 | 23 | 06 | 40.2 | 16.400 | S | 177.527 | W | 33 | N | 5.5 | 5.7 | | 1.2 | 108 | FIJI ISLANDS REGION. Ms 5.9 (BRK). |
| | 01 | 23 | 54 | 38 6? | 31.56 | S | 69.29 | W | 135 | * | 4.0 | | | 1.2 | 6 | SAN JUAN PROVINCE, ARGENTINA |
| | 02 | 02 | 10 | 38.7? | 18.15 | N | 62.90 | W | 33 | N | | | | 0.5 | 8 | LEEWARD ISLANDS ML 3.5 (FDF). |
| | 02 | 06 | 20 | 37.5* | 35.938 | N | 70.037 | E | 33 | N | 4.5 | | | 1 1 | 11 | HINDU KUSH REGION |
| | 02 | 07 | 08 | 04.6 | 51.539 | N | 16.388 | E | 10 | G | | | | 0.6 | 15 | POLAND. ML 3.9 (VKA), 4.0 (KBA). |
| | 02 | 08 | 33 | 35.4? | 38.74 | N | 27.22 | E | 10 | G | | | | 0.5 | 6 | TURKEY |
| | 02 | 08 | 48 | 47.3% | 37.267 | N | 29.431 | E | 10 | G | | | | 0.6 | 5 | TURKEY |
| | 02 | 09 | 09 | 15.1 | 6.850 | N | 73.102 | W | 159 | | 4.6 | | | 1.0 | 38 | NORTHERN COLOMBIA |
| | 02 | 09 | 41 | 29.4 | 25.861 | N | 73.314 | E | 133 | * | | | | 1.2 | 15 | NORTHERN INDIA |
| | 02 | 09 | 50 | 11.6? | 47.57 | N | 153.46 | E | 33 | N | 5.0 | | | 0.7 | 10 | KURIL ISLANDS |
| | 02 | 09 | 52 | 17.6% | 16.305 | N | 61.264 | W | 33 | N | | | | 0.6 | 5 | LEEWARD ISLANDS. ML 2.6 (FDF). |
| | 02 | 11 | 44 | 18.5? | 32.54 | N | 25.20 | E | 10 | G | 4.1 | | | 1.3 | 9 | EASTERN MEDITERRANEAN SEA |
| | 02 | 11 | 47 | 26.2* | 17.869 | S | 179.020 | W | 537 | | 4.9 | | | 1.3 | 47 | FIJI ISLANDS REGION |
| | 02 | 14 | 19 | 39.9& | 60.984 | N | 150.889 | W | 54 | | | | | | 41 | KENAI PENINSULA, ALASKA. <AGS-P>. |
| | 02 | 14 | 51 | 50.9 | 6.814 | S | 149.301 | E | 43 | * | 4.8 | | | 1.1 | 22 | NEW BRITAIN REGION |
| | 02 | 14 | 58 | 10.4? | 36.85 | S | 72.59 | W | 33 | N | | | | 0.8 | 6 | NEAR COAST OF CENTRAL CHILE |
| | 02 | 15 | 35 | 30.1& | 60.568 | N | 152.890 | W | 140 | | | | | | 38 | SOUTHERN ALASKA. <AGS-P>. |
| | 02 | 16 | 44 | 19.8? | 51.62 | N | 16.32 | E | 10 | G | | | | 0.3 | 6 | POLAND. ML 3.6 (VKA), 3.3 (KBA). |
| | 02 | 17 | 46 | 00.3* | 53.071 | N | 159.797 | E | 33 | N | 4.8 | | | 0.8 | 34 | NEAR EAST COAST OF KAMCHATKA |
| | 02 | 18 | 07 | 09.2* | 11.443 | N | 13.443 | W | 10 | G | 4.2 | | | 1.3 | 19 | NORTHWEST AFRICA |
| | 02 | 18 | 26 | 01.2? | 6.93 | N | 73.24 | W | 150 | ? | | | | 0.5 | 6 | NORTHERN COLOMBIA |
| | 02 | 19 | 12 | 16.8 | 37.835 | N | 116.131 | W | 5 | G | | | | 0.4 | 22 | SOUTHERN NEVADA. ML 3.0 (NEIS). |
| | 02 | 19 | 21 | 24.9& | 35.340 | N | 117.810 | W | 7 | | | | | | 27 | CENTRAL CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 02 | 19 | 55 | 08.8% | 12.303 | S | 76.185 | W | 33 | N | | | | 0.7 | 6 | NEAR COAST OF PERU |
| | 02 | 20 | 46 | 46.3* | 35.677 | N | 23.056 | E | 72 | * | 3.7 | | | 1.1 | 23 | CRETE. MD 3.8 (ATH). |
| | 02 | 21 | 43 | 34.9 | 22.636 | S | 68.829 | W | 112 | D | 5.0 | | | 1.3 | 43 | NORTHERN CHILE |
| | 02 | 22 | 21 | 37.9& | 59.966 | N | 152.864 | W | 95 | | | | | | 40 | SOUTHERN ALASKA <AGS-P>. Felt (I) at Ninilchik. |
| | 02 | 22 | 21 | 52.9& | 36.770 | N | 121.363 | W | 8 | | | | | | 13 | CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). |
| | 02 | 23 | 21 | 36.6& | 38.795 | N | 122.758 | W | 3 | | | | | | 13 | NORTHERN CALIFORNIA. <BRK>. ML 3.2 (BRK). Mo=6.2*10**14 Nm (BRK). Felt at Cobb. |
| | 03 | 00 | 07 | 35.6* | 29.040 | N | 130.632 | E | 33 | N | 4 6 | | | 0.9 | 10 | RYUKYU ISLANDS |
| | 03 | 00 | 41 | 09.3& | 58.250 | N | 154.979 | W | 11 | | 4.0 | | | | 27 | ALASKA PENINSULA. <AGS-P>. ML 3.8 (PMR). |
| | 03 | 02 | 25 | 50.5* | 21.529 | N | 122.612 | E | 33 | N | 4.2 | | | 0.9 | 8 | TAIWAN REGION |
| | 03 | 02 | 47 | 09.1 | 37.146 | N | 29.392 | E | 29 | * | | | | 0.8 | 9 | TURKEY |

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| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 03 | 03 | 44 | 26.8* | 46.858 | S | 33.479 | E | 10 | G | 4.6 | | 1.3 | 21 | PRINCE EDWARD ISLANDS REGION |
| f | 03 | 08 | 15 | 00.3 | 17.204 | S | 173.757 | W | 88 | G | 6.1 | | 0.9 | 325 | TONGA ISLANDS. Depth from broodband displacement seismograms. |
| | 03 | 09 | 24 | 13.0 | 6.168 | N | 93.965 | E | 33 | N | 4.8 | | 1.0 | 39 | NICOBAR ISLANDS REGION |
| | 03 | 10 | 12 | 51.7 | 18.409 | N | 70.323 | W | 38 | | 4.9 | | 1.0 | 79 | DOMINICAN REPUBLIC REGION. Felt at Santo Domingo and throughout the southwestern Daminican Republic. Also felt in Haiti. |
| | 03 | 14 | 26 | 41.4? | 28.42 | N | 50.44 | E | 10 | G | 4.6 | | 1.5 | 9 | PERSIAN GULF |
| | 03 | 14 | 49 | 13.7 | 39.835 | N | 30.338 | E | 10 | G | | | 1.5 | 12 | TURKEY |
| | 03 | 15 | 04 | 07.0& | 59.828 | N | 153.346 | W | 128 | | | | | 30 | SOUTHERN ALASKA. <AGS-P>. |
| | 03 | 16 | 24 | 34.8% | 46.795 | N | 9.125 | E | 5 | G | | | 1.2 | 9 | SWITZERLAND |
| | 03 | 16 | 44 | 30.1 | 40.267 | N | 27.309 | E | 10 | G | | | 0.7 | 10 | TURKEY |
| | 03 | 18 | 24 | 49.7 | 33.115 | N | 86.961 | E | 33 | N | 5.0 | 4.3 | 1.3 | 70 | TIBET |
| | 03 | 21 | 33 | 02.4* | 63.888 | N | 148.990 | W | 155 | ? | | | 0.5 | 7 | CENTRAL ALASKA |
| a | 03 | 23 | 09 | 32.1 | 8.757 | S | 160.376 | E | 88 | | 5.3 | | 0.8 | 104 | SOLOMON ISLANDS. Felt (IV) at Auki and (III) at Honiara. |
| | 04 | 00 | 33 | 25.8& | 61.561 | N | 149.364 | W | 42 | | 4.9 | | | 96 | SOUTHERN ALASKA. <AGS-P>. ML 4.6 (PMR). Felt (IV) at Anchorage, Chugiok, Elmendorf AFB, Fort Richordson, Palmer, Sutton, Wosilla and Willow. |
| | 04 | 01 | 12 | 07.2 | 1.565 | S | 136.773 | E | 33 | N | 5.1 | 4.1 | 0.9 | 16 | WEST IRIAN REGION |
| | 04 | 02 | 04 | 29.4* | 5.596 | S | 131.252 | E | 87 | * | 4.6 | | 1.1 | 13 | BANDA SEA |
| | 04 | 02 | 58 | 59.2? | 36.38 | N | 1.16 | W | 10 | G | | | 0.3 | 5 | WESTERN MEDITERRANEAN SEA |
| | 04 | 03 | 10 | 38.6? | 13.43 | S | 77.25 | W | 10 | G | | | 1.4 | 7 | OFF COAST OF PERU |
| | 04 | 04 | 54 | 47.4 | 44.954 | N | 11.328 | E | 18 | | | | 1.3 | 32 | NORTHERN ITALY. ML 3.5 (KBA), 3.0 (LDG). |
| | 04 | 05 | 01 | 56.0 | 44.953 | N | 11.224 | E | 10 | G | | | 1.5 | 21 | NORTHERN ITALY. ML 3.3 (KBA). |
| | 04 | 07 | 04 | 47.2 | 35.116 | N | 15.832 | W | 10 | G | 4.2 | | 1.3 | 40 | NORTH ATLANTIC OCEAN |
| | 04 | 09 | 03 | 24.5 | 34.266 | N | 24.598 | E | 33 | N | 4.2 | | 1.1 | 30 | CRETE. ML 4.1 (ATH). |
| | 04 | 10 | 05 | 33.8& | 61.265 | N | 151.753 | W | 82 | | | | | 32 | SOUTHERN ALASKA. <AGS-P>. |
| | 04 | 10 | 45 | 58.5% | 12.217 | S | 76.940 | W | 10 | G | | | 0.3 | 5 | NEAR COAST OF PERU |
| | 04 | 10 | 55 | 29.6* | 39.739 | N | 23.944 | E | 10 | G | | | 0.5 | 12 | AEGEAN SEA. ML 3.1 (THE). |
| | 04 | 11 | 11 | 59.3% | 60.151 | N | 4.669 | E | 10 | G | | | 0.3 | 5 | SOUTHERN NORWAY. MD 2.0 (BER). |
| | 04 | 11 | 48 | 33.8% | 60.157 | N | 4.705 | E | 10 | G | | | 0.1 | 6 | SOUTHERN NORWAY. MD 2.0 (BER). |
| | 04 | 12 | 23 | 48.1? | 21.56 | S | 179.23 | W | 639 | ? | 4.5 | | 0.6 | 12 | FIJI ISLANDS REGION |
| | 04 | 12 | 58 | 42.5* | 38.112 | N | 22.007 | E | 69 | * | 3.8 | | 1.0 | 7 | GREECE |
| | 04 | 13 | 44 | 03.4 | 47.891 | N | 7.316 | E | 10 | G | | | 1.3 | 8 | SWITZERLAND. ML 2.9 (LDG). |
| | 04 | 14 | 45 | 08.5 | 40.475 | N | 29.155 | E | 10 | G | | | 1.3 | 10 | TURKEY. Felt at Bursa. |
| | 04 | 15 | 14 | 19.3? | 5.32 | S | 132.00 | E | 33 | N | 4.2 | | 1.1 | 8 | BANDA SEA |
| | 04 | 15 | 46 | 15.8? | 39.41 | N | 28.25 | E | 5 | G | | | 1.6 | 5 | TURKEY |
| | 04 | 15 | 47 | 10.7* | 53.819 | N | 166.299 | W | 100 | ? | | | 0.5 | 11 | FOX ISLANDS, ALEUTIAN ISLANDS |
| | 04 | 15 | 58 | 56.2? | 4.49 | S | 105.48 | E | 134 | ? | 4.4 | | 0.3 | 7 | SOUTHERN SUMATERA |
| | 04 | 15 | 59 | 57.9% | 60.738 | N | 5.566 | E | 10 | G | | | 0.7 | 6 | SOUTHERN NORWAY. MD 1.9 (BER). |
| | 04 | 18 | 08 | 36.4? | 7.70 | S | 128.06 | E | 33 | N | 4.3 | | 1.3 | 10 | BANDA SEA |
| | 04 | 20 | 24 | 23.9& | 36.885 | N | 121.332 | W | 6 | | | | | 14 | CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). |
| | 04 | 23 | 07 | 58.6 | 6.576 | S | 130.048 | E | 162 | * | 4.8 | | 1.2 | 42 | BANDA SEA |
| | 04 | 23 | 17 | 52.0* | 43.231 | N | 111.193 | W | 5 | G | | | 1.3 | 8 | EASTERN IDAHO. ML 2.5 (NEIS). |
| | 04 | 23 | 48 | 43.0? | 25.57 | N | 56.71 | E | 33 | N | 4.4 | | 0.5 | 5 | EASTERN ARABIAN PENINSULA |
| | 05 | 00 | 00 | 18.0% | 5.566 | N | 0.314 | W | 10 | G | | | 0.5 | 7 | NORTHWEST AFRICA. MD 2.6 (KUK). |
| | 05 | 01 | 50 | 36.7? | 10.45 | S | 126.36 | E | 33 | N | | | 1.5 | 7 | TIMOR SEA |
| | 05 | 02 | 29 | 54.1? | 6.83 | S | 147.43 | E | 71 | * | 4.2 | | 1.4 | 10 | EAST PAPUA NEW GUINEA REGION |
| | 05 | 03 | 19 | 52.0 | 56.018 | S | 27.468 | W | 135 | D | 5.1 | | 0.8 | 56 | SOUTH SANDWICH ISLANDS REGION |
| | 05 | 04 | 51 | 04.6* | 6.714 | S | 129.533 | E | 123 | ? | 4.7 | | 1.4 | 23 | BANDA SEA |
| | 05 | 05 | 28 | 11.3 | 10.948 | N | 62.480 | W | 104 | | 4.8 | | 1.0 | 53 | NEAR COAST OF VENEZUELA |
| | 05 | 07 | 19 | 17.0? | 40.18 | N | 49.82 | E | 33 | N | 4.5 | | 0.6 | 11 | EASTERN CAUCASUS |
| | 05 | 07 | 20 | 28.1? | 21.21 | S | 178.77 | W | 652 | ? | 4.4 | | 1.1 | 15 | FIJI ISLANDS REGION |
| | 05 | 07 | 39 | 33.2? | 45.46 | N | 27.08 | E | 33 | N | | | 1.0 | 5 | ROMANIA |
| | 05 | 08 | 38 | 26.2% | 17 894 | N | 66.139 | W | 33 | N | | | 0.4 | 6 | PUERTO RICO REGION |
| | 05 | 09 | 12 | 31.7 | 14.881 | S | 167.271 | E | 150 | | 5.3 | | 1.1 | 110 | VANUATU ISLANDS |
| | 05 | 10 | 09 | 55.2 | 42.147 | N | 142 515 | E | 47 | | 4.4 | | 1.3 | 20 | HOKKAIDO, JAPAN REGION. Felt (II JMA) at Urakowa and (I JMA) at Muroron. Also felt (I JMA) at Hachinohe, Honshu. |
| | 05 | 10 | 19 | 28.7? | 23.99 | S | 179.31 | E | 535 | ? | 4.6 | | 1.2 | 11 | SOUTH OF FIJI ISLANDS |
| | 05 | 10 | 38 | 55.9 | 34.864 | N | 27.887 | E | 49 | * | 4.2 | | 1.4 | 43 | EASTERN MEDITERRANEAN SEA |
| | 05 | 11 | 43 | 56.1* | 16.127 | S | 176.875 | E | 33 | N | 4.6 | | 0.9 | 12 | FIJI ISLANDS REGION |
| | 05 | 12 | 49 | 27.1& | 61.746 | N | 150.922 | W | 87 | | | | | 37 | SOUTHERN ALASKA. <AGS-P>. |
| | 05 | 13 | 22 | 53.4? | 59.00 | N | 4.98 | E | 10 | G | | | 0.2 | 5 | SOUTHERN NORWAY. MD 2.1 (BER). |
| | 05 | 13 | 22 | 57.2% | 40.718 | N | 29.897 | E | 10 | G | | | 0.9 | 8 | TURKEY |
| | 05 | 13 | 43 | 58.7* | 36.229 | N | 34.100 | W | 10 | G | 5.1 | 4.2 | 0.4 | 12 | AZORES ISLANDS REGION |
| | 05 | 13 | 46 | 46.9% | 40.426 | N | 28.415 | E | 10 | G | | | 0.3 | 8 | TURKEY |
| | 05 | 17 | 29 | 58.6 | 21.812 | S | 138.959 | W | 0 | G | 5.7 | | 0.9 | 71 | TUAMOTU ARCHIPELAGO REGION |
| | 05 | 18 | 31 | 23.7 | 36.826 | N | 21.255 | E | 55 | * | 4.0 | 4.0 | 1.2 | 31 | SOUTHERN GREECE. Felt in the Kalamai area. |
| | 05 | 18 | 41 | 59.4* | 21.192 | S | 179.193 | W | 627 | | 5.0 | | 0.9 | 22 | FIJI ISLANDS REGION |
| | 05 | 18 | 59 | 40.5? | 17.16 | S | 177.99 | W | 154 | ? | 4.6 | | 1.2 | 16 | FIJI ISLANDS REGION |
| o | 05 | 19 | 01 | 22.0 | 5.448 | S | 151.743 | E | 53 | | 5.5 | 5.3 | 1.1 | 103 | NEW BRITAIN REGION. Ms 5.6 (BRK). |
| | 05 | 19 | 48 | 19.6 | 38.363 | S | 175.865 | E | 169 | | 4.9 | | 1.1 | 34 | NORTH ISLAND, NEW ZEALAND. Felt on central and sauthern North Island. |
| | 05 | 22 | 06 | 58.6 | 46.449 | N | 8.013 | E | 10 | G | | | 1.1 | 59 | SWITZERLAND. ML 3.7 (GRF), 3.6 (LDG). |
| | 05 | 22 | 43 | 57.6 | 43.142 | N | 0.782 | W | 10 | G | | | 1.0 | 30 | PYRENEES. ML 3.9 (LDG). |
| | 05 | 22 | 47 | 37.5* | 5.964 | S | 105.530 | E | 33 | N | 5.0 | 3.8 | 1.5 | 36 | SUNDA STRAIT |
| | 05 | 22 | 55 | 58.6 | 22.978 | N | 120.559 | E | 10 | G | 4.1 | | 1.4 | 18 | TAIWAN |
| | 05 | 23 | 20 | 59.5 | 37.869 | N | 4.587 | W | 15 | * | | | 1.5 | 21 | SPAIN. MG 3.8 (MDD). Felt (IV) at Mantemayor, Espeja and Cordoba; (III) at Castro del Ria, Constantina and Fuentes de Andolucio. |
| | 06 | 00 | 14 | 02.2 | 19.761 | N | 122.015 | E | 52 | * | 4.5 | | 1.2 | 30 | PHILIPPINE ISLANDS REGION |
| | 06 | 01 | 04 | 54.4 | 40.701 | N | 23.436 | E | 10 | G | | | 1.3 | 8 | GREECE. ML 2.5 (THE). |
| | 06 | 02 | 39 | 05.8 | 26.219 | S | 27.468 | E | 5 | G | | | 1.1 | 8 | REPUBLIC OF SOUTH AFRICA. MG 3.7 (BUL). |
| | 06 | 05 | 43 | 31.1* | 43.231 | N | 1.727 | W | 5 | G | | | 0.7 | 10 | PYRENEES. ML 3.2 (LDG). |
| | 06 | 06 | 06 | 20.9? | 38.47 | N | 26.50 | E | 10 | G | | | 1.5 | 5 | AEGEAN SEA |
| | 06 | 07 | 56 | 52.3 | 45.339 | N | 149.976 | E | 59 | D | 4.8 | | 0.7 | 41 | KURIL ISLANDS |
| | 06 | 10 | 23 | 13.6? | 17.26 | S | 178.46 | W | 566 | * | 4.7 | | 0.6 | 14 | FIJI ISLANDS REGION |
| | 06 | 11 | 23 | 06.1? | 1.01 | S | 121.49 | E | 41 | ? | 3.8 | | 0.5 | 6 | SULAWESI |
| | 06 | 13 | 04 | 16.1% | 60.397 | N | 5.229 | E | 10 | G | | | 0.3 | 5 | SOUTHERN NORWAY. MD 2.0 (BER). |
| | 06 | 13 | 36 | 33.5 | 13.392 | S | 123.026 | E | 10 | G | 4.2 | | 1.2 | 16 | NORTHWEST OF AUSTRALIA |
| | 06 | 13 | 42 | 24.6% | 40.391 | N | 29.209 | E | 10 | G | | | 1.5 | 5 | TURKEY |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 06 | 15 | 07 | 47.6* | 6.886 | N | 134.468 | E | 33 | N | 4.7 | 3.7 | 1.1 | 18 | WEST CAROLINE ISLANDS |
| | 06 | 15 | 33 | 49.5* | 50.386 | N | 18.934 | E | 10 | G | | | 0.6 | 6 | POLAND. ML 3.2 (KRA). |
| | 06 | 16 | 09 | 30.3? | 37.38 | N | 75.07 | E | 33 | N | 3.9 | | 1.5 | 7 | TAJIK-XINJIANG BORDER REGION |
| | 06 | 16 | 14 | 59.8? | 17.88 | S | 178.81 | W | 607 | ? | 4.6 | | 1.1 | 19 | FIJI ISLANDS REGION |
| | 06 | 16 | 48 | 14.3* | 22.136 | S | 65.767 | W | 279 | | 4.8 | | 1.0 | 24 | JUJUY PROVINCE, ARGENTINA |
| | 06 | 18 | 34 | 23.0 | 22.828 | S | 63.641 | W | 535 | | 5.2 | | 0.9 | 195 | SALTA PROVINCE, ARGENTINA |
| | 06 | 18 | 42 | 05.7% | 40.876 | N | 29.702 | E | 10 | G | | | 0.6 | 9 | TURKEY |
| | 06 | 18 | 44 | 13.5* | 57.833 | N | 152.792 | W | 33 | N | | | 0.2 | 6 | KODIAK ISLAND REGION. ML 3.4 (PMR). |
| a | 06 | 18 | 47 | 35.0 | 22.801 | S | 63.583 | W | 538 | G | 5.8 | | 0.9 | 310 | SALTA PROVINCE, ARGENTINA. mb 5.5 (BRK). Depth from broadbond displocement seismogroms. |
| | 06 | 20 | 18 | 51.9 | 22.875 | S | 63.668 | W | 541 | | 4.5 | | 1.0 | 30 | SALTA PROVINCE, ARGENTINA |
| | 06 | 20 | 23 | 56.4 | 13.437 | N | 143.720 | E | 173 | * | 5.0 | | 1.0 | 48 | SOUTH OF MARIANA ISLANDS |
| | 06 | 20 | 27 | 03.1* | 52.229 | N | 176.541 | E | 121 | * | 4.3 | | 1.0 | 12 | RAT ISLANDS, ALEUTIAN ISLANDS |
| | 06 | 20 | 49 | 24.7? | 19.38 | S | 167.69 | E | 28 | * | 4.1 | | 1.2 | 8 | VANUATU ISLANDS REGION |
| | 06 | 20 | 53 | 04.3* | 27.812 | N | 101.005 | E | 33 | N | | | 1.4 | 6 | SICHUAN PROVINCE, CHINA. ML 3.8 (BJI). |
| | 06 | 21 | 40 | 15.1 | 40.822 | N | 27.983 | E | 19 | | | | 0.6 | 13 | TURKEY |
| a | 06 | 22 | 27 | 12.9 | 43.418 | N | 146.264 | E | 62 | | 5.2 | | 0.9 | 199 | KURIL ISLANDS. Felt (IV JMA) at Nemuro; (II JMA) at Kushiro and Urokawa, Hokkaido. Felt (V) at Yuzhno-Kurilsk and on Shikotan. |
| | 06 | 23 | 36 | 45.2& | 33.000 | N | 117.780 | W | 6 | | | | | 6 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 06 | 23 | 46 | 01.1% | 41.389 | N | 22.482 | E | 10 | G | | | 0.8 | 7 | YUGOSLAVIA. ML 2.5 (THE). |
| | 06 | 23 | 52 | 08.9 | 38.484 | N | 26.670 | E | 10 | G | | | 0.8 | 16 | AEGEAN SEA. ML 3.8 (ATH). |
| | 07 | 01 | 25 | 11.7 | 3.390 | N | 128.618 | E | 33 | N | 5.0 | 4.4 | 0.9 | 44 | NORTH OF HALMAHERA |
| | 07 | 01 | 31 | 23.4* | 43.412 | N | 0.168 | E | 10 | G | | | 0.6 | 7 | FRANCE. ML 3.3 (LDG). |
| | 07 | 02 | 26 | 06.5* | 26.289 | S | 27.174 | E | 5 | G | | | 1.3 | 7 | REPUBLIC OF SOUTH AFRICA. MG 3.5 (BUL). |
| | 07 | 03 | 20 | 22.7% | 43.772 | N | 10.292 | E | 10 | G | | | 0.5 | 5 | CENTRAL ITALY |
| | 07 | 03 | 59 | 11.9? | 13.16 | S | 122.91 | E | 10 | G | | | 1.0 | 7 | NORTHWEST OF AUSTRALIA |
| | 07 | 04 | 00 | 20.6& | 37.435 | N | 121.648 | W | 3 | | | | | 14 | CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Mo=1.3*10**13 Nm (BRK). |
| | 07 | 05 | 17 | 17.0% | 40.822 | N | 28.045 | E | 10 | G | | | 0.6 | 7 | TURKEY |
| | 07 | 05 | 20 | 58.8% | 46.532 | N | 2.059 | E | 10 | G | | | 0.2 | 8 | FRANCE. ML 1.9 (LDG). |
| | 07 | 06 | 44 | 43.2 | 37.426 | N | 21.611 | E | 14 | | 4.2 | | 1.2 | 33 | SOUTHERN GREECE. ML 4.0 (ATH), 4.0 (THE). |
| | 07 | 07 | 34 | 07.4 | 11.963 | S | 64.678 | E | 10 | G | 5.1 | | 0.9 | 71 | SOUTH INDIAN OCEAN |
| | 07 | 10 | 11 | 02.5% | 39.509 | N | 29.464 | E | 10 | G | | | 0.3 | 5 | TURKEY |
| | 07 | 11 | 07 | 47.2 | 43.392 | N | 3.786 | W | 21 | | | | 1.1 | 30 | SPAIN. ML 3.9 (LDG). Felt (IV) at Arredondo, Selayo and Valdeporres; (III) at Vega de Pas and Espinoso Monteros. |
| | 07 | 11 | 13 | 58.1% | 45.893 | N | 3.189 | E | 10 | G | | | 0.3 | 10 | FRANCE. ML 2.3 (LDG). |
| | 07 | 11 | 23 | 03.5% | 44.278 | N | 9.484 | E | 10 | G | | | 1.1 | 5 | NORTHERN ITALY. ML 2.6 (LDG). |
| | 07 | 11 | 57 | 15.3* | 50.375 | N | 18.826 | E | 10 | G | | | 0.7 | 6 | POLAND. ML 3.4 (KRA), 3.4 (KBA), 3.1 (VKA). |
| | 07 | 13 | 30 | 00.5* | 37.691 | N | 37.551 | E | 10 | G | 3.9 | | 1.4 | 15 | TURKEY |
| | 07 | 13 | 49 | 37.6& | 62.201 | N | 150.380 | W | 61 | | | | | 42 | CENTRAL ALASKA. <AGS-P>. |
| | 07 | 14 | 35 | 41.3& | 66.750 | N | 136.805 | W | 18 | G | | | | 11 | NORTHERN YUKON TERRITORY, CANADA. <PGC-P>. ML 3.8 (PGC). |
| | 07 | 15 | 06 | 01.2& | 36.583 | N | 121.218 | W | 8 | | | | | 31 | CENTRAL CALIFORNIA. <BRK>. ML 4.0 (BRK). Mo=2.3*10**15 Nm (BRK). Felt (III) at Hollister and Paicines. Also felt at Big Sur and Greenfield. Small foreshock 1.2 seconds earlier. |
| | 07 | 15 | 16 | 49.1% | 43.059 | N | 13.246 | E | 10 | G | | | 1.0 | 5 | CENTRAL ITALY |
| | 07 | 15 | 55 | 02.7 | 14.367 | S | 167.367 | E | 211 | * | 4.7 | | 1.0 | 84 | VANUATU ISLANDS |
| | 07 | 16 | 03 | 29.9* | 34.027 | N | 48.029 | E | 33 | N | 3.9 | | 1.1 | 5 | WESTERN IRAN |
| f | 07 | 16 | 23 | 55.9 | 5.634 | N | 126.614 | E | 80 | G | 6.2 | | 1.0 | 382 | MINDANAO, PHILIPPINE ISLANDS. Felt (II) at Cagayan de Oro. Depth from broadbond displocement seismogroms. |
| | 07 | 18 | 18 | 17.4& | 31.180 | N | 115.770 | W | 6 | G | | | | 5 | BAJA CALIFORNIA. <PAS-P>. ML 3.4 (PAS). |
| | 07 | 18 | 27 | 27.2? | 44.38 | N | 11.55 | E | 10 | G | | | 0.2 | 5 | NORTHERN ITALY |
| | 07 | 18 | 45 | 18.9 | 51.328 | N | 15.928 | E | 10 | G | | | 0.9 | 18 | POLAND. ML 4.3 (VKA), 4.0 (GRF), 3.8 (KBA). |
| | 07 | 19 | 05 | 15.7% | 60.239 | N | 5.148 | E | 10 | G | | | 0.2 | 6 | SOUTHERN NORWAY. MD 2.0 (BER). |
| | 07 | 19 | 39 | 18.2 | 44.216 | N | 11.404 | E | 11 | | | | 0.6 | 11 | NORTHERN ITALY. ML 2.7 (KBA). |
| | 07 | 19 | 49 | 57.1* | 5.324 | S | 146.510 | E | 48 | * | 4.3 | | 1.1 | 11 | EAST PAPUA NEW GUINEA REGION |
| | 07 | 22 | 15 | 40.6* | 39.630 | N | 124.057 | W | 5 | G | | | 1.2 | 6 | NEAR COAST OF NORTHERN CALIF. ML 2.5 (BRK). |
| | 07 | 22 | 27 | 14.8% | 40.813 | N | 27.979 | E | 10 | G | | | 0.6 | 5 | TURKEY |
| | 07 | 23 | 14 | 57.6& | 38.828 | N | 122.787 | W | 2 | | | | | 17 | NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK). Mo=4.1*10**14 Nm (BRK). |
| | 08 | 02 | 41 | 09.4* | 44.480 | S | 97.344 | E | 10 | G | 4.5 | | 1.0 | 14 | SOUTHEAST INDIAN RISE |
| | 08 | 02 | 43 | 02.1% | 46.702 | N | 3.012 | E | 10 | G | | | 0.6 | 8 | FRANCE. ML 1.9 (LDG). |
| | 08 | 02 | 52 | 47.3 | 18.845 | S | 169.269 | E | 254 | | 5.0 | | 1.0 | 39 | VANUATU ISLANDS |
| | 08 | 03 | 00 | 56.2& | 38.777 | N | 123.060 | W | 2 | G | | | | 9 | NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.7 (BRK). |
| | 08 | 03 | 32 | 32.6 | 47.074 | N | 9.222 | E | 10 | G | | | 0.4 | 8 | GERMANY |
| | 08 | 04 | 18 | 30.7% | 40.642 | N | 29.833 | E | 10 | G | | | 0.4 | 8 | TURKEY |
| | 08 | 04 | 29 | 02.1? | 9.66 | S | 23.87 | E | 33 | N | 3.8 | | 0.2 | 5 | ZAIRE REPUBLIC |
| a | 08 | 04 | 38 | 57.9 | 28.750 | S | 177.393 | W | 72 | * | 5.0 | | 1.3 | 59 | KERMADEC ISLANDS REGION |
| o | 08 | 06 | 06 | 04.7 | 18.353 | S | 167.873 | E | 23 | | 5.3 | | 1.0 | 93 | VANUATU ISLANDS |
| | 08 | 07 | 24 | 08.4% | 38.866 | N | 15.574 | E | 33 | N | | | 0.8 | 6 | SICILY |
| | 08 | 07 | 59 | 00.9? | 14.18 | S | 76.78 | W | 33 | N | | | 1.3 | 6 | NEAR COAST OF PERU |
| | 08 | 08 | 24 | 39.1* | 0.908 | S | 130.018 | E | 33 | N | 4.7 | | 1.4 | 11 | WEST IRIAN REGION |
| | 08 | 09 | 57 | 00.8& | 60.958 | N | 147.368 | W | 14 | | | | | 50 | SOUTHERN ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 08 | 10 | 00 | 29.7 | 32.168 | N | 136.757 | E | 446 | | 4.7 | | 0.9 | 88 | SOUTHEAST OF SHIKOKU, JAPAN |
| | 08 | 10 | 49 | 42.8 | 17.696 | N | 82.302 | W | 10 | G | 4.8 | | 0.9 | 32 | CARIBBEAN SEA |
| | 08 | 11 | 10 | 58.5* | 39.980 | N | 24.363 | E | 10 | G | | | 0.4 | 8 | AEGEAN SEA. ML 2.7 (THE). |
| | 08 | 11 | 43 | 16.4? | 14.23 | S | 75.74 | W | 33 | N | | | 1.3 | 6 | NEAR COAST OF PERU |
| | 08 | 12 | 05 | 39.3* | 7.233 | S | 125.287 | E | 525 | * | 4.9 | | 0.9 | 34 | BANDA SEA |
| | 08 | 12 | 12 | 41.9? | 13.82 | S | 75.46 | W | 33 | N | | | 1.5 | 7 | PERU |
| | 08 | 12 | 27 | 41.6% | 40.417 | N | 29.262 | E | 10 | G | | | 0.6 | 8 | TURKEY |
| | 08 | 14 | 06 | 02.0 | 38.411 | N | 21.939 | E | 10 | G | 3.8 | | 1.0 | 12 | GREECE. ML 3.1 (ATH), 3.2 (THE). |
| a | 08 | 14 | 38 | 44.0 | 2.325 | S | 140.162 | E | 30 | D | 5.6 | 5.4 | 1.1 | 95 | NEAR N. COAST OF WEST IRIAN. Felt at Joyopuro. |
| | 08 | 16 | 39 | 34.6* | 6.630 | S | 131.142 | E | 135 | * | 4.6 | | 1.2 | 14 | TANIMBAR ISLANDS REGION |
| | 08 | 20 | 00 | 02.4? | 39.46 | N | 28.21 | E | 10 | G | | | 0.6 | 4 | TURKEY |
| | 08 | 22 | 43 | 43.0 | 44.066 | N | 16.358 | E | 10 | G | 3.5 | | 1.3 | 97 | YUGOSLAVIA. ML 4.1 (TRI), 4.0 (KBA), 3.9 (VKA). Felt (V) in the Knin area. |
| | 09 | 00 | 00 | 24.7? | 4.81 | S | 134.24 | E | 33 | N | 4.2 | | 1.0 | 7 | WEST IRIAN REGION |
| | 09 | 00 | 00 | 45.6? | 20.97 | S | 67.62 | W | 33 | N | | | 1.0 | 5 | SOUTHERN BOLIVIA |
| | 09 | 01 | 22 | 56.0% | 12.741 | S | 75.218 | W | 33 | N | | | 0.4 | 6 | PERU |
| | 09 | 01 | 33 | 13.0 | 54.183 | N | 4.830 | W | 10 | G | | | 0.1 | 5 | UNITED KINGDOM. ML 2.4 (DLE), 2.3 (BGS). Felt (IV) |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | throughout the Isle of Man. |
| o | 09 | 01 | 43 | 07.1* | 63.778 | S | 172.467 | E | 10 | G | 5.4 5.1 | 1.4 | 31 | BALLENY ISLANDS REGION |
| | 09 | 02 | 49 | 07.4 | 40.128 | N | 23.934 | E | 10 | G | | 0.9 | 11 | GREECE. ML 2.8 (THE). |
| | 09 | 02 | 50 | 33.0& | 39.570 | N | 123.763 | W | 6 | | | | 12 | NEAR COAST OF NORTHERN CALIF. <BRK>. ML 2.9 (BRK). |
| | 09 | 03 | 14 | 39.4 | 10.653 | S | 163.827 | E | 33 | N | 4.8 4.3 | 1.1 | 58 | SOLOMON ISLANDS |
| | 09 | 03 | 49 | 09.4* | 14.445 | S | 74.071 | W | 33 | N | | 0.8 | 7 | PERU |
| | 09 | 04 | 02 | 10.0* | 10.754 | S | 163.771 | E | 33 | N | 4.4 | 1.4 | 10 | SOLOMON ISLANDS |
| | 09 | 04 | 11 | 41.3? | 36.58 | N | 28.25 | E | 10 | G | | 0.9 | 6 | DODECANESE ISLANDS |
| | 09 | 05 | 23 | 27.1 | 41.762 | N | 23.713 | E | 10 | G | | 0.9 | 15 | GREECE-BULGARIA BORDER REGION. ML 2.8 (THE). |
| | 09 | 06 | 00 | 49.2& | 60.302 | N | 152.567 | W | 86 | | | | 27 | SOUTHERN ALASKA. <AGS-P>. |
| | 09 | 06 | 02 | 43.8* | 34.544 | N | 32.937 | E | 10 | G | 4.8 | 1.4 | 7 | CYPRUS. Felt in the Limassol area. |
| | 09 | 06 | 10 | 38.5 | 17.238 | N | 120.271 | E | 55 | * | 4.6 | 1.1 | 31 | LUZON, PHILIPPINE ISLANDS |
| | 09 | 06 | 48 | 49.9* | 7.353 | S | 129.240 | E | 169 | ? | 4.6 | 1.5 | 10 | BANDA SEA |
| | 09 | 07 | 11 | 53.7* | 42.715 | N | 13.080 | E | 10 | G | | 0.8 | 5 | CENTRAL ITALY |
| | 09 | 07 | 50 | 17.2 | 34.735 | N | 32.877 | E | 26 | | 4.5 | 1.3 | 51 | CYPRUS. ML 4.3 (CSS). Felt (VI) at Limassol and (III) at Nicosia. |
| | 09 | 09 | 53 | 22.9* | 8.079 | S | 123.328 | E | 197 | * | 4.8 | 1.1 | 19 | FLORES ISLAND REGION |
| | 09 | 10 | 13 | 23.7* | 10.615 | S | 163.958 | E | 33 | N | 4.3 4.3 | 1.2 | 14 | SOLOMON ISLANDS |
| | 09 | 10 | 31 | 31.5 | 40.424 | N | 29.233 | E | 9 | | | 1.0 | 17 | TURKEY |
| | 09 | 12 | 28 | 41.9* | 6.721 | S | 146.561 | E | 113 | * | 4.7 | 1.0 | 11 | EAST PAPUA NEW GUINEA REGION |
| | 09 | 13 | 37 | 40.7% | 39.557 | N | 29.375 | E | 10 | G | | 0.6 | 5 | TURKEY |
| | 09 | 14 | 07 | 10.3 | 47.040 | N | 9.010 | E | 10 | G | | 0.7 | 15 | GERMANY. ML 2.5 (KBA). |
| | 09 | 16 | 43 | 42.2 | 32.805 | N | 47.799 | E | 42 | * | 4.9 4.5 | 1.4 | 46 | IRAN-IRAQ BORDER REGION |
| | 09 | 16 | 54 | 48.8 | 43.427 | N | 12.555 | E | 10 | G | | 0.8 | 12 | CENTRAL ITALY. ML 3.1 (KBA). |
| | 09 | 17 | 03 | 55.5% | 12.918 | S | 75.355 | W | 33 | N | | 0.7 | 6 | PERU |
| | 09 | 17 | 10 | 58.4* | 32.706 | N | 48.149 | E | 33 | N | 4.3 | 0.7 | 7 | WESTERN IRAN |
| | 09 | 17 | 28 | 05.4% | 40.691 | N | 29.238 | E | 10 | G | | 0.9 | 8 | TURKEY |
| | 09 | 17 | 29 | 35.1* | 32.748 | N | 47.801 | E | 33 | N | 4.4 3.8 | 1.5 | 13 | IRAN-IRAQ BORDER REGION |
| o | 09 | 17 | 46 | 18.8 | 22.123 | S | 69.573 | W | 44 | | 5.4 4.8 | 0.9 | 168 | NORTHERN CHILE. Minor damage (VI) at Caloma. Felt (VI) at Quillaguo and at the Chuquicamata copper mine. Felt in much of northern Chile. |
| | 09 | 19 | 38 | 26.6& | 60.991 | N | 148.542 | W | 29 | | | | 43 | KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.1 (PMR). |
| | 09 | 22 | 29 | 18.3* | 11.697 | S | 73.242 | W | 33 | N | | 0.7 | 6 | PERU |
| | 09 | 22 | 30 | 20.8% | 40.200 | N | 28.943 | E | 10 | G | | 0.8 | 6 | TURKEY |
| | 09 | 23 | 03 | 35.7 | 39.022 | N | 21.011 | E | 10 | G | 4.0 | 1.4 | 34 | GREECE. ML 3.7 (ATH). |
| | 09 | 23 | 37 | 24.3* | 49.890 | N | 18.494 | E | 12 | | | 0.6 | 7 | CZECHOSLOVAKIA. ML 3.0 (VKA), 2.9 (K8A). |
| | 10 | 00 | 39 | 41.5 | 44.589 | N | 9.672 | E | 10 | G | | 0.8 | 17 | NORTHERN ITALY. ML 2.8 (LDG). |
| | 10 | 02 | 31 | 54.4? | 7.43 | S | 125.41 | E | 344 | ? | 4.2 | 0.9 | 9 | BANDA SEA |
| | 10 | 03 | 21 | 01.3 | 12.632 | N | 144.106 | E | 23 | | 5.0 4.4 | 1.0 | 55 | SOUTH OF MARIANA ISLANDS |
| | 10 | 04 | 13 | 48.5% | 40.416 | N | 29.256 | E | 10 | G | | 0.4 | 8 | TURKEY |
| | 10 | 04 | 27 | 26.0 | 52.673 | N | 172.165 | E | 33 | N | 5.0 | 0.8 | 30 | NEAR ISLANDS, ALEUTIAN ISLANDS. ML 4.3 (PMR). |
| | 10 | 04 | 33 | 08.7 | 24.396 | N | 121.713 | E | 42 | | 4.9 5.0 | 1.1 | 79 | TAIWAN |
| | 10 | 06 | 01 | 04.9 | 7.175 | S | 129.647 | E | 127 | * | 4.9 | 1.2 | 20 | BANDA SEA |
| | 10 | 07 | 07 | 36.9* | 39.750 | S | 173.999 | E | 264 | * | 3.6 | 0.6 | 13 | OFF W. COAST OF N. ISLAND, N.Z. |
| | 10 | 08 | 44 | 45.0% | 16.416 | N | 61.553 | W | 33 | N | | 0.9 | 5 | LEEWARD ISLANDS ML 1.4 (FDF). |
| | 10 | 10 | 23 | 02.2% | 40.413 | N | 29.201 | E | 10 | G | | 0.5 | 6 | TURKEY |
| | 10 | 10 | 27 | 34.8* | 1.353 | N | 94.855 | E | 33 | N | 4.6 | 1.1 | 9 | OFF W COAST OF NORTHERN SUMATERA |
| | 10 | 11 | 08 | 28.9* | 5.851 | S | 145.433 | E | 33 | N | | 0.6 | 5 | EAST PAPUA NEW GUINEA REGION |
| | 10 | 11 | 49 | 26.8% | 15.175 | N | 60.596 | W | 33 | N | | 1.3 | 10 | LEEWARD ISLANDS. ML 3.4 (FDF). |
| | 10 | 12 | 29 | 22.7 | 39.468 | N | 28.415 | E | 10 | G | | 0.8 | 14 | TURKEY |
| | 10 | 12 | 41 | 11.7% | 39.591 | N | 29.480 | E | 10 | G | | 0.4 | 6 | TURKEY |
| | 10 | 12 | 51 | 04.5 | 50.011 | N | 157.589 | E | 62 | D | 4.8 | 0.9 | 55 | KURIL ISLANDS |
| | 10 | 13 | 07 | 29.1% | 61.818 | N | 7.175 | E | 10 | G | | 0.7 | 6 | SOUTHERN NORWAY. MD 2.2 (BER). |
| | 10 | 13 | 31 | 34.5* | 57.939 | S | 25.418 | W | 33 | N | 4.9 | 1.0 | 15 | SOUTH SANDWICH ISLANDS REGION |
| | 10 | 13 | 34 | 06.7? | 50.28 | N | 18.97 | E | 10 | G | | 0.1 | 4 | POLAND. ML 2.9 (KRA) |
| | 10 | 15 | 47 | 38.2? | 19.68 | S | 69.49 | W | 10 | G | | 0.4 | 5 | NORTHERN CHILE |
| | 10 | 16 | 15 | 34.8* | 6.880 | N | 76.382 | W | 33 | N | 4.8 3.7 | 1.5 | 20 | NORTHERN COLOMBIA |
| | 10 | 16 | 44 | 06.3% | 40.413 | N | 29.210 | E | 10 | G | | 0.8 | 8 | TURKEY |
| | 10 | 17 | 38 | 03.1 | 37.342 | N | 141.434 | E | 57 | | 5.0 | 1.2 | 77 | NEAR EAST COAST OF HONSHU, JAPAN Felt (II JMA) at Onahama and Fukushima; (I JMA) at Ofunato, Sendai and Mito. |
| | 10 | 19 | 22 | 54.9& | 61.434 | N | 150.972 | W | 65 | | | | 30 | SOUTHERN ALASKA. <AGS-P>. |
| | 10 | 20 | 17 | 54.4 | 5.642 | S | 113.354 | E | 34 | * | 5.1 4.5 | 1.2 | 79 | JAVA SEA |
| | 10 | 21 | 37 | 49.2% | 45.682 | N | 26.736 | E | 72 | ? | | 1.1 | 7 | ROMANIA |
| | 10 | 22 | 14 | 02.9% | 40.680 | N | 29.834 | E | 10 | G | | 0.7 | 8 | TURKEY |
| | 10 | 23 | 09 | 56.7* | 36.614 | N | 140.939 | E | 33 | N | | 0.3 | 5 | NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Onahama and Mito. |
| | 10 | 23 | 30 | 28.3* | 51.254 | N | 15.710 | E | 5 | G | | 1.2 | 14 | POLAND. ML 4.2 (VKA), 4 0 (GRF), 3.9 (KBA). |
| | 11 | 00 | 57 | 24.3 | 23.976 | S | 179.904 | W | 511 | | 5.0 | 0.8 | 80 | SOUTH OF FIJI ISLANDS |
| | 11 | 01 | 10 | 28.3% | 41.988 | N | 13.078 | E | 10 | G | | 0.5 | 5 | SOUTHERN ITALY |
| | 11 | 02 | 20 | 59.5* | 7.505 | S | 128.070 | E | 172 | ? | 4.9 | 1.2 | 14 | BANDA SEA |
| | 11 | 03 | 04 | 05.2* | 26.105 | S | 70.242 | W | 85 | * | 4.6 | 1.4 | 21 | NEAR COAST OF NORTHERN CHILE |
| | 11 | 03 | 16 | 11.3* | 14.221 | S | 172.493 | E | 572 | * | 4.8 | 1.5 | 110 | VANUATU ISLANDS REGION |
| | 11 | 04 | 13 | 31.3* | 27.235 | N | 141.169 | E | 115 | * | | 1.0 | 10 | BONIN ISLANDS REGION. Felt (II JMA) on Chichi-shimo. |
| | 11 | 04 | 49 | 50.8 | 39.246 | N | 111.740 | W | 5 | G | | 0.4 | 9 | UTAH. ML 2.8 (NEIS). Felt (IV) at Monti, (III) at Sterling and (II) at Centerfield. |
| | 11 | 05 | 55 | 42.2 | 46.089 | N | 12.447 | E | 17 | | | 1.4 | 56 | NORTHERN ITALY. ML 3.8 (GRF), 3.4 (LDG), 3.2 (K8A). MD 3.1 (TRI). |
| | 11 | 07 | 15 | 13.0* | 59.617 | S | 26.069 | W | 33 | N | 4.7 | 1.1 | 8 | SOUTH SANDWICH ISLANDS REGION |
| | 11 | 08 | 10 | 02.5 | 36.507 | N | 70.991 | E | 206 | * | 4.5 | 1.2 | 19 | HINDU KUSH REGION |
| | 11 | 09 | 04 | 19.1* | 6.912 | N | 76.510 | W | 60 | ? | | 1.4 | 9 | NORTHERN COLOMBIA. Felt (IV) in the Medellin-Manizoles-Pereira area. |
| | 11 | 10 | 27 | 20.6? | 17.58 | S | 178.99 | W | 552 | * | 4.4 | 0.7 | 17 | FIJI ISLANDS REGION |
| | 11 | 10 | 30 | 23.2* | 12.747 | S | 77.139 | W | 33 | N | | 1.4 | 7 | NEAR COAST OF PERU |
| | 11 | 10 | 37 | 23.3* | 11.020 | S | 74.873 | W | 131 | * | | 0.4 | 10 | PERU |
| | 11 | 10 | 41 | 33.7 | 5.385 | S | 153.367 | E | 52 | | 5.3 4.4 | 1.2 | 80 | NEW IRELAND REGION |
| | 11 | 11 | 43 | 02.1* | 5.653 | S | 153.315 | E | 33 | N | 3.7 | 1.2 | 7 | NEW IRELAND REGION |
| | 11 | 13 | 03 | 42.4% | 39.579 | N | 29.376 | E | 10 | G | | 0.8 | 5 | TURKEY |
| | 11 | 14 | 48 | 07.0% | 39.619 | N | 29.438 | E | 10 | G | | 0.9 | 6 | TURKEY |
| o | 11 | 15 | 04 | 52.1 | 6.797 | N | 76.342 | W | 30 | | 5.4 5.1 | 1.1 | 162 | NORTHERN COLOMBIA. Felt (VI) in the Medellin-Manizoles-Pereira area. |
| | 11 | 15 | 10 | 15.5 | 43.746 | N | 12.066 | E | 10 | G | | 1.4 | 49 | CENTRAL ITALY. ML 3.7 (LDG), 3.6 (K8A). MD 3.5 (TRI), 3.0 (ROM). |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11 | 15 30 55.6* | 9.796 | N | 126.389 | E | 25 | * | 4.5 | 5.4 | 1.4 | 25 | MINDANAO, PHILIPPINE ISLANDS |
| | 11 | 15 32 14.7 | 19.034 | N | 104.556 | W | 79 | * | 4.9 | | 1.4 | 70 | NEAR COAST OF JALISCO, MEXICO. Felt in the states of Jalisco and Calima. |
| | 11 | 16 09 49.5 | 6.916 | N | 76.380 | W | 33 | N | 4.9 | 4.1 | 1.5 | 69 | NORTHERN COLOMBIA. Felt at Manizales. |
| | 11 | 16 33 29.7* | 29.532 | S | 71.687 | W | 33 | N | | | 1.5 | 6 | NEAR COAST OF CENTRAL CHILE |
| | 11 | 18 35 45.2% | 39.614 | N | 28.604 | E | 10 | G | | | 0.5 | 6 | TURKEY |
| | 11 | 18 53 58.9% | 61.832 | N | 7.181 | E | 10 | G | | | 0.8 | 6 | SOUTHERN NORWAY. MD 2.0 (BER). |
| | 11 | 19 02 51.3& | 62.323 | N | 151.452 | W | 91 | | | | | 28 | CENTRAL ALASKA. <AGS-P>. |
| | 11 | 19 41 01.4% | 40.080 | N | 27.352 | E | 10 | G | | | 0.8 | 8 | TURKEY |
| | 11 | 20 18 20.9* | 55.029 | N | 163.819 | W | 33 | N | | | 1.5 | 7 | UNIMAK ISLAND REGION. ML 3.5 (PMR). |
| | 11 | 23 56 24.9% | 40.414 | N | 28.452 | E | 10 | G | | | 0.4 | 8 | TURKEY |
| a | 12 | 00 24 40.0 | 17.209 | S | 177.306 | W | 393 | D | 5.5 | | 0.9 | 292 | FIJI ISLANDS REGION |
| a | 12 | 00 59 55.9 | 49.678 | S | 163.904 | E | 10 | G | 5.5 | 5.0 | 1.2 | 46 | AUCKLAND ISLANDS REGION |
| | 12 | 01 10 46.3* | 32.094 | S | 70.327 | W | 118 | * | 4.5 | | 1.3 | 16 | CHILE-ARGENTINA BORDER REGION |
| | 12 | 01 41 03.3 | 46.089 | N | 2.820 | E | 9 | | | | 0.4 | 12 | FRANCE. ML 2.4 (LDG). |
| | 12 | 02 17 50.8% | 45.972 | N | 26.969 | E | 10 | G | | | 1.4 | 8 | ROMANIA |
| | 12 | 03 02 23.1% | 40.732 | N | 29.070 | E | 10 | G | | | 0.5 | 7 | TURKEY |
| | 12 | 04 09 02.1* | 16.571 | S | 172.646 | W | 98 | ? | 4.6 | | 1.0 | 11 | SAMOA ISLANDS REGION |
| | 12 | 04 59 46.4* | 37.083 | N | 138.447 | E | 28 | * | | | 0.7 | 6 | NEAR WEST COAST OF HONSHU, JAPAN |
| | 12 | 05 57 57.8* | 36.384 | N | 28.133 | E | 10 | G | | | 1.0 | 9 | DODECANESE ISLANDS. MD 3.8 (ATH). |
| | 12 | 06 11 59.7* | 34.398 | S | 70.039 | W | 33 | N | 4.3 | | 1.5 | 12 | CHILE-ARGENTINA BORDER REGION |
| | 12 | 07 17 35.4? | 39.19 | N | 142.15 | E | 69 | ? | 3.6 | | 0.2 | 5 | NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Miyako and (I JMA) at Ofunata. |
| | 12 | 08 46 31.0& | 40.562 | N | 124.920 | W | 7 | | | | | 6 | NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK). |
| | 12 | 08 56 08.1 | 59.037 | N | 153.936 | W | 132 | * | | | 0.7 | 44 | SOUTHERN ALASKA |
| | 12 | 09 36 05.0? | 38.20 | N | 71.15 | E | 33 | N | 3.8 | | 1.0 | 5 | AFGHANISTAN-USSR BORDER REGION. Felt (V) at Garm and (IV) at Novabad, USSR. |
| | 12 | 09 49 36.3& | 62.282 | N | 150.950 | W | 64 | | | | | 30 | CENTRAL ALASKA. <AGS-P>. |
| | 12 | 10 05 32.4% | 45.700 | N | 25.862 | E | 33 | N | | | 1.2 | 7 | ROMANIA |
| | 12 | 10 35 02.3* | 5.507 | N | 36.871 | E | 10 | G | 4.3 | | 1.4 | 7 | ETHIOPIA |
| | 12 | 11 50 46.5 | 8.983 | S | 119.074 | E | 90 | * | 4.8 | | 1.3 | 35 | FLORES ISLAND REGION |
| | 12 | 12 12 49.3% | 39.612 | N | 29.395 | E | 10 | G | | | 0.5 | 5 | TURKEY |
| | 12 | 12 52 28.3 | 44.515 | N | 149.473 | E | 46 | D | 5.5 | 4.6 | 1.0 | 190 | KURIL ISLANDS |
| | 12 | 13 28 14.2& | 38.840 | N | 122.787 | W | 1 | | | | | 15 | NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK). |
| | 12 | 13 35 34.3* | 7.321 | S | 154.824 | E | 33 | N | 4.2 | | 1.4 | 7 | SOLOMON ISLANDS |
| | 12 | 13 48 05.5 | 3.603 | S | 144.339 | E | 24 | | 5.1 | | 0.9 | 62 | NEAR N COAST OF PAPUA NEW GUINEA |
| | 12 | 16 13 10.3? | 18.43 | N | 146.37 | E | 33 | N | 4.9 | | 1.3 | 9 | MARIANA ISLANDS |
| | 12 | 17 39 07.2& | 60.110 | N | 153.038 | W | 114 | | | | | 27 | SOUTHERN ALASKA. <AGS-P>. |
| | 12 | 19 44 31.2& | 59.662 | N | 152.617 | W | 73 | | | | | 31 | SOUTHERN ALASKA. <AGS-P>. |
| | 12 | 22 51 23.8? | 48.97 | S | 123.73 | E | 10 | G | 4.9 | | 1.0 | 11 | SOUTH OF AUSTRALIA |
| | 13 | 00 13 30.8? | 1.18 | S | 15.94 | W | 10 | G | 4.9 | | 1.4 | 12 | NORTH OF ASCENSION ISLAND |
| | 13 | 02 13 41.1* | 37.698 | N | 4.008 | W | 10 | G | | | 0.9 | 6 | SPAIN. MG 3.3 (MDD). Felt (IV) at Santa Cruz and Canete. |
| | 13 | 03 58 31.9? | 21.47 | S | 68.75 | W | 180 | * | | | 0.3 | 10 | CHILE-BOLIVIA BORDER REGION |
| | 13 | 05 11 49.2 | 40.423 | N | 20.937 | E | 10 | G | | | 0.9 | 15 | GREECE-ALBANIA BORDER REGION. MD 3.8 (ATH). ML 3.3 (THE). |
| | 13 | 07 13 52.2? | 9.10 | S | 150.03 | E | 212 | ? | 3.9 | | 1.4 | 7 | EAST PAPUA NEW GUINEA REGION |
| | 13 | 07 14 58.9 | 11.596 | S | 117.292 | E | 33 | N | | | 1.2 | 11 | SOUTH OF SUMBAWA ISLAND |
| | 13 | 08 11 57.9* | 23.913 | N | 121.869 | E | 33 | N | 3.7 | | 1.0 | 10 | TAIWAN |
| | 13 | 10 25 17.0& | 40.900 | N | 124.600 | W | 14 | | | | | 5 | NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.8 (BRK). |
| | 13 | 11 01 59.9* | 4.713 | S | 153.587 | E | 117 | * | 4.2 | | 1.0 | 17 | NEW IRELAND REGION |
| | 13 | 11 35 17.6% | 60.379 | N | 5.199 | E | 10 | G | | | 0.4 | 5 | SOUTHERN NORWAY. MD 1.9 (BER). |
| | 13 | 12 59 21.5? | 50.83 | N | 14.59 | E | 10 | G | | | 1.6 | 5 | CZECHOSLOVAKIA. ML 3.5 (KBA), 3.0 (VKA). |
| | 13 | 14 35 37.9* | 6.778 | N | 124.032 | E | 77 | ? | 4.2 | | 0.8 | 10 | MINDANAO, PHILIPPINE ISLANDS |
| | 13 | 14 55 35.9% | 60.582 | N | 5.066 | E | 10 | G | | | 0.4 | 7 | SOUTHERN NORWAY. MD 2.0 (BER). |
| | 13 | 16 11 01.1* | 36.464 | N | 28.000 | E | 10 | G | | | 1.0 | 6 | DODECANESE ISLANDS. MD 3.7 (ATH). |
| | 13 | 16 48 02.1 | 21.580 | N | 103.390 | E | 33 | N | 4.3 | | 1.5 | 25 | SOUTHEAST ASIA |
| | 13 | 20 17 16.9? | 40.38 | N | 27.08 | E | 10 | G | | | 1.0 | 5 | TURKEY |
| | 13 | 20 37 27.7 | 4.893 | S | 133.957 | E | 33 | N | 4.9 | | 1.4 | 57 | WEST IRIAN REGION |
| | 13 | 20 50 21.6 | 43.245 | N | 12.547 | E | 10 | G | | | 1.2 | 13 | CENTRAL ITALY. ML 3.6 (KBA). MD 3.1 (FIR). |
| | 13 | 22 11 35.9 | 38.953 | N | 23.460 | E | 10 | G | | | 0.5 | 10 | GREECE. ML 2.9 (ATH), 2.6 (THE). |
| | 13 | 22 39 32.1? | 20.74 | S | 179.00 | W | 553 | ? | 4.8 | | 0.9 | 17 | FIJI ISLANDS REGION |
| | 13 | 23 45 10.7 | 28 737 | N | 103.724 | E | 59 | * | 4.5 | | 1.2 | 15 | SICHUAN PROVINCE, CHINA |
| | 14 | 02 17 18.4 | 37.007 | N | 137.443 | E | 245 | | 4.8 | | 1.0 | 133 | NEAR WEST COAST OF HONSHU, JAPAN |
| | 14 | 05 54 42.9? | 15.91 | N | 60.97 | W | 33 | N | | | 0.6 | 5 | LEEWARD ISLANDS. ML 2.5 (FDF). |
| | 14 | 06 56 20.5? | 30.69 | S | 177.07 | W | 101 | ? | 4.7 | | 1.0 | 15 | KERMADEC ISLANDS |
| | 14 | 08 20 49.2& | 38 818 | N | 122.782 | W | 3 | | | | | 15 | NORTHERN CALIFORNIA. <BRK>. ML 2.7 (BRK). |
| | 14 | 09 26 25.6 | 4.645 | S | 101.737 | E | 43 | D | 5.1 | | 1.0 | 55 | SOUTHERN SUMATERA |
| | 14 | 10 10 58.5? | 6.37 | S | 146.51 | E | 107 | * | 3.4 | | 0.6 | 8 | EAST PAPUA NEW GUINEA REGION |
| | 14 | 10 35 33.4 | 5.233 | S | 153.434 | E | 57 | * | 4.7 | | 1.3 | 28 | NEW IRELAND REGION |
| | 14 | 13 21 52.6* | 8 169 | N | 93.996 | E | 72 | ? | 4.3 | | 1.1 | 10 | NICOBAR ISLANDS REGION |
| | 14 | 13 51 41.7 | 28.807 | N | 130.223 | E | 55 | * | 4.7 | 4.5 | 1.3 | 41 | RYUKYU ISLANDS. Felt (I JMA) at Naze. |
| | 14 | 14 36 25.8* | 50.046 | N | 19.452 | E | 10 | G | | | 1.4 | 7 | POLAND. ML 3.7 (KRA). |
| | 14 | 15 08 21.6 | 6.806 | N | 73.109 | W | 160 | | 4.8 | | 0.9 | 43 | NORTHERN COLOMBIA |
| a | 14 | 15 48 29.9& | 58.961 | N | 135.241 | W | 5 | G | 5.3 | 4.5 | | 140 | SOUTHEASTERN ALASKA. <AGS-P>. ML 5.2 (PMR). Felt (V) at Haines; (IV) at Douglas, Juneau and Skagway. Felt strongly at Atlin, British Columbia. Items knocked fram shelves at Whitehorse, Yukan Territary. Also felt at Lake Laberge, Yukan Territary. |
| | 14 | 16 06 38.7* | 36.357 | N | 27.051 | E | 10 | G | | | 0.9 | 5 | DODECANESE ISLANDS. ML 3.9 (ATH). |
| | 14 | 16 26 20.1? | 59.04 | N | 134.26 | W | 5 | G | | | 1.5 | 4 | SOUTHEASTERN ALASKA. ML 3.0 (PMR). |
| | 14 | 17 05 51.5 | 47.728 | N | 5.494 | E | 27 | | | | 1.0 | 44 | FRANCE. ML 3.9 (LDG), 3.3 (KBA). |
| | 14 | 18 38 29.5& | 58.964 | N | 135.325 | W | 10 | G | 4.0 | | | 26 | SOUTHEASTERN ALASKA. <AGS-P>. ML 3.5 (PMR). Felt at Whitehorse, Yukan Territary. |
| a | 14 | 21 20 43.0 | 0.188 | S | 125.140 | E | 60 | | 5.5 | | 1.4 | 161 | MOLUCCA SEA |
| a | 14 | 22 16 07.7 | 19.748 | N | 109.018 | W | 33 | N | 5.4 | 5.5 | 1.2 | 106 | REVILLA GIGEDO ISLANDS REGION. Ms 5.7 (BRK). |
| a | 14 | 22 23 00.0 | 19.632 | N | 108.960 | W | 33 | N | 5.4 | 6.0 | 1.4 | 101 | REVILLA GIGEDO ISLANDS REGION. Ms 6.1 (BRK). |
| | 14 | 23 46 24.6 | 38.475 | N | 23.794 | E | 10 | G | 3.6 | | 1.3 | 22 | GREECE. ML 3.6 (ATH), 3.5 (THE). |
| | 15 | 00 27 15.5? | 39.55 | N | 28.78 | E | 10 | G | | | 1.2 | 6 | TURKEY |
| | 15 | 01 47 00.2 | 19.774 | N | 108.979 | W | 33 | N | 4.6 | | 0.9 | 23 | REVILLA GIGEDO ISLANDS REGION |
| | 15 | 03 31 06.7 | 49.871 | N | 78.791 | E | 0 | G | 6.0 | 4.8 | 0.8 | 423 | EASTERN KAZAKH SSR |
| | 15 | 04 31 00.3& | 61.292 | N | 151.523 | W | 82 | | | | | 32 | SOUTHERN ALASKA. <AGS-P>. |
| | 15 | 05 13 31.5? | 25.86 | N | 128.70 | E | 33 | N | 4.4 | | 0.6 | 8 | RYUKYU ISLANDS |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 15 | 05 | 16 | 49.0& | 41.592 | N | 125.990 | W | 5 | G | | | 7 | OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.6 (BRK). |
| | 15 | 05 | 56 | 50.6? | 26.18 | N | 128.75 | E | 33 | N | 4.3 | 0.9 | 6 | RYUKYU ISLANDS |
| | 15 | 06 | 14 | 51.9* | 19.453 | N | 108.950 | W | 33 | N | 4.6 | 0.7 | 16 | REVILLA GIGEDO ISLANDS REGION |
| | 15 | 07 | 21 | 03.4* | 21.188 | S | 178.400 | W | 499 | * | 4.6 | 1.0 | 23 | FIJI ISLANDS REGION |
| | 15 | 07 | 47 | 49.4% | 47.781 | N | 5.605 | E | 10 | G | | 0.8 | 6 | FRANCE. ML 2.1 (LDG). |
| | 15 | 08 | 25 | 56.3& | 60.973 | N | 149.134 | W | 40 | | | | 38 | KENAI PENINSULA, ALASKA. <AGS-P>. |
| | 15 | 09 | 01 | 33.0* | 19.910 | N | 108.397 | W | 33 | N | 4.6 | 1.2 | 18 | REVILLA GIGEDO ISLANDS REGION |
| | 15 | 09 | 28 | 20.6 | 19.715 | N | 109.042 | W | 33 | N | 4.8 | 1.0 | 43 | REVILLA GIGEDO ISLANDS REGION |
| | 15 | 12 | 37 | 53.7? | 23.40 | S | 113.99 | E | 10 | G | | 1.1 | 5 | WESTERN AUSTRALIA |
| | 15 | 13 | 58 | 08.6? | 30.59 | S | 26.81 | E | 5 | G | | 1.3 | 7 | REPUBLIC OF SOUTH AFRICA |
| | 15 | 15 | 13 | 21.8 | 26.569 | N | 93.436 | E | 33 | N | 4.1 | 1.3 | 15 | EASTERN INDIA |
| | 15 | 15 | 54 | 06.8% | 39.586 | N | 28.495 | E | 10 | G | | 0.9 | 6 | TURKEY |
| | 15 | 16 | 10 | 28.7? | 15.60 | N | 59.22 | W | 33 | N | | 0.1 | 7 | LEEWARD ISLANDS. ML 3.2 (FDF). |
| | 15 | 16 | 20 | 18.6* | 37.875 | N | 38.387 | E | 10 | G | | 1.3 | 16 | TURKEY |
| | 15 | 17 | 06 | 38.7? | 21.15 | S | 68.69 | W | 260 | ? | | 0.8 | 7 | CHILE-BOLIVIA BORDER REGION |
| | 15 | 17 | 23 | 02.7* | 39.604 | N | 28.565 | E | 10 | G | | 1.0 | 8 | TURKEY |
| | 15 | 18 | 07 | 34.1& | 36.300 | N | 121.400 | W | 7 | | | | 9 | CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). |
| | 15 | 20 | 54 | 14.8% | 39.802 | N | 28.735 | E | 10 | G | | 0.3 | 7 | TURKEY |
| a | 15 | 22 | 00 | 49.6 | 9.434 | S | 75.663 | W | 33 | | 5.4 4.4 | 1.1 | 120 | PERU |
| | 15 | 23 | 35 | 27.6 | 40.200 | N | 24.840 | E | 25 | | | 1.1 | 22 | AEGEAN SEA. ML 3.2 (THE). |
| | 15 | 23 | 43 | 23.8? | 39.83 | N | 25.28 | E | 10 | G | | 1.3 | 9 | AEGEAN SEA |
| | 16 | 03 | 17 | 02.4? | 21.86 | S | 68.43 | W | 174 | ? | 4.7 | 1.5 | 18 | CHILE-BOLIVIA BORDER REGION |
| | 16 | 03 | 26 | 10.4 | 14.528 | N | 96.009 | E | 19 | | 5.2 4.9 | 0.9 | 151 | ANDAMAN ISLANDS REGION |
| | 16 | 04 | 27 | 28.3 | 10.291 | S | 123.518 | E | 33 | N | | 1.2 | 18 | TIMOR |
| | 16 | 04 | 39 | 00.3* | 45.193 | N | 13.575 | E | 10 | G | | 0.8 | 6 | NORTHERN ITALY. ML 2.8 (KBA). |
| | 16 | 04 | 56 | 32.5? | 22.51 | S | 178.19 | W | 401 | ? | 4.4 | 1.2 | 20 | SOUTH OF FIJI ISLANDS |
| | 16 | 05 | 48 | 40.2& | 61.847 | N | 149.691 | W | 45 | | | | 30 | SOUTHERN ALASKA. <AGS-P>. |
| | 16 | 05 | 52 | 43.3? | 30.05 | N | 114.40 | W | 10 | G | 4.4 | 1.4 | 20 | GULF OF CALIFORNIA |
| a | 16 | 05 | 59 | 50.1 | 6.832 | N | 126.225 | E | 67 | | 5.5 | 1.4 | 122 | MINDANAO, PHILIPPINE ISLANDS. Felt (II RF) at Cagayan de Oro. |
| | 16 | 06 | 15 | 58.6 | 47.082 | N | 9.209 | E | 11 | | | 0.4 | 12 | GERMANY. ML 2.5 (LDG). |
| | 16 | 06 | 28 | 25.5* | 3.944 | N | 94.731 | E | 33 | N | 4.7 | 1.2 | 16 | OFF W COAST OF NORTHERN SUMATERA |
| | 16 | 09 | 04 | 47.2% | 15.715 | N | 61.492 | W | 22 | * | | 0.1 | 6 | LEEWARD ISLANDS. ML 2.7 (FDF). |
| | 16 | 11 | 18 | 16.4 | 53.600 | N | 163.366 | W | 33 | N | 5.0 | 1.0 | 82 | UNIMAK ISLAND REGION. ML 4.6 (PMR). |
| a | 16 | 11 | 44 | 23.2 | 49.320 | S | 30.433 | E | 10 | G | 5.5 4.3 | 1.3 | 88 | SOUTH OF AFRICA |
| | 16 | 12 | 07 | 42.6 | 33.036 | N | 138.235 | E | 288 | * | 4.8 | 0.8 | 49 | SOUTH OF HONSHU, JAPAN |
| | 16 | 12 | 13 | 51.1 | 44.971 | N | 22.475 | E | 10 | G | | 1.3 | 11 | ROMANIA |
| | 16 | 13 | 19 | 02.9 | 40.705 | N | 23.389 | E | 10 | G | | 0.8 | 8 | GREECE |
| | 16 | 14 | 23 | 41.6 | 40.167 | N | 63.139 | E | 33 | N | 4.8 4.1 | 1.0 | 49 | UZBEK SSR. Felt (IV) at Gazli. |
| | 16 | 14 | 51 | 02.3? | 44.35 | N | 152.67 | E | 33 | N | 5.0 | 1.3 | 27 | KURIL ISLANDS REGION |
| | 16 | 16 | 04 | 27.5& | 61.139 | N | 152.273 | W | 114 | | | | 29 | SOUTHERN ALASKA. <AGS-P>. |
| | 16 | 16 | 39 | 00.9 | 46.293 | N | 13.036 | E | 10 | G | | 0.9 | 8 | AUSTRIA. MD 2.9 (TRI). ML 2.4 (KBA). |
| | 16 | 20 | 16 | 38.7? | 18.89 | S | 169.30 | E | 248 | * | 4.2 | 1.5 | 14 | VANUATU ISLANDS |
| | 16 | 20 | 52 | 20.3? | 49.38 | S | 31.36 | E | 10 | G | 4.8 | 1.3 | 6 | SOUTH OF AFRICA |
| | 16 | 21 | 24 | 38.4? | 23.90 | N | 122.93 | E | 33 | N | | 1.2 | 7 | TAIWAN REGION |
| | 16 | 21 | 34 | 05.9 | 40.340 | N | 63.731 | E | 33 | N | 4.5 3.9 | 0.9 | 37 | UZBEK SSR. Felt (IV) at Gazli and (III) at Tamdybulak. |
| | 17 | 00 | 01 | 20.4? | 17.25 | S | 178.11 | W | 625 | * | 4.5 | 0.2 | 7 | FIJI ISLANDS REGION |
| | 17 | 02 | 00 | 47.3 | 47.189 | N | 9.290 | E | 10 | G | | 1.4 | 32 | GERMANY. ML 3.2 (KBA), 3.1 (GRF), 3.0 (LDG). |
| f | 17 | 03 | 40 | 08.9 | 12.534 | N | 87.030 | W | 76 | D | 5.8 | 1.2 | 392 | NEAR COAST OF NICARAGUA. mb 6.2 (PAS). Three people injured and damage in the Chinandega-Leon-El Vieja area, Nicaragua. Felt throughout Nicaragua and (IV) at San Salvador, El Salvador. Also felt in Honduras, Guatemala and northern Costo Rico. |
| | 17 | 05 | 37 | 01.1 | 40.434 | N | 29.226 | E | 10 | G | | 0.4 | 10 | TURKEY |
| | 17 | 06 | 12 | 01.3? | 6.98 | S | 128.68 | E | 237 | * | | 1.0 | 11 | BANDA SEA |
| | 17 | 08 | 17 | 46.4& | 35.830 | N | 121.068 | W | 4 | | | | 16 | CENTRAL CALIFORNIA. <BRK>. ML 3.0 (BRK). |
| | 17 | 08 | 38 | 30.5 | 5.195 | N | 94.356 | E | 56 | | 5.1 | 0.9 | 137 | NORTHERN SUMATERA |
| f | 17 | 08 | 46 | 53.3& | 58.586 | N | 143.270 | W | 10 | G | 6.6 6.9 | | 581 | GULF OF ALASKA. <AGS-P>. ML 7.0 (PMR). Ms 7.0 (BRK), 6.8 (PAS). Complex event. Felt (V) at Anchorage, Haines, Seward, Trapper Creek, Valdez and Yakutat. Felt (IV) throughout much of southern Aloska from Juneou to Anchorage. Also felt (IV) at Whitehorse, Yukon Territary. Felt at Kodiok, Alaska and Carcross and Haines Junction, Yukon Territory. Ten cm. tsunami recorded at Yakutat. |
| | 17 | 08 | 58 | 30.7& | 58.575 | N | 143.495 | W | 10 | G | | | 16 | GULF OF ALASKA. <AGS-P>. |
| | 17 | 09 | 00 | 53.9& | 58.439 | N | 143.608 | W | 10 | G | 4.7 | | 35 | GULF OF ALASKA. <AGS-P>. ML 4.2 (PMR). |
| | 17 | 09 | 11 | 28.7& | 58.476 | N | 143.658 | W | 10 | G | | | 31 | GULF OF ALASKA. <AGS-P>. ML 4.0 (PMR). |
| | 17 | 09 | 14 | 10.8% | 39.254 | N | 29.140 | E | 10 | G | | 1.2 | 5 | TURKEY |
| | 17 | 09 | 32 | 16.6 | 8.660 | S | 111.621 | E | 106 | * | 4.8 | 1.3 | 42 | JAVA |
| | 17 | 09 | 38 | 12.3& | 58.608 | N | 143.096 | W | 10 | G | 5.5 | | 183 | GULF OF ALASKA. <AGS-P>. ML 5.2 (PMR). |
| | 17 | 09 | 51 | 51.7* | 36.169 | N | 71.084 | E | 87 | ? | 4.6 | 1.2 | 18 | AFGHANISTAN-USSR BORDER REGION |
| | 17 | 10 | 10 | 03.2& | 58.537 | N | 143.310 | W | 10 | G | 3.8 | | 33 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 17 | 10 | 33 | 39.7* | 58.692 | N | 143.464 | W | 10 | G | | 0.2 | 6 | GULF OF ALASKA. ML 3.4 (PMR). |
| | 17 | 10 | 57 | 15.9* | 46.680 | N | 11.122 | E | 10 | G | | 1.6 | 13 | NORTHERN ITALY. ML 2.9 (KBA). |
| | 17 | 11 | 12 | 30.1& | 58.668 | N | 143.371 | W | 10 | G | | | 30 | GULF OF ALASKA. <AGS-P>. ML 3.1 (PMR). |
| | 17 | 11 | 29 | 47.6& | 58.530 | N | 143.679 | W | 10 | G | 3.9 | | 37 | GULF OF ALASKA. <AGS-P>. ML 4.1 (PMR). |
| | 17 | 11 | 54 | 28.7* | 58.663 | N | 143.444 | W | 10 | G | | 0.7 | 5 | GULF OF ALASKA. ML 3.3 (PMR). |
| | 17 | 12 | 12 | 46.9& | 58.499 | N | 143.583 | W | 10 | G | | | 32 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 17 | 12 | 34 | 17.6& | 58.532 | N | 143.350 | W | 10 | G | | | 30 | GULF OF ALASKA. <AGS-P>. ML 3.3 (PMR). |
| | 17 | 12 | 35 | 50.2& | 58.526 | N | 143.698 | W | 10 | G | 3.8 | | 34 | GULF OF ALASKA. <AGS-P>. ML 4.2 (PMR). |
| | 17 | 13 | 26 | 12.4& | 58.960 | N | 135.149 | W | 13 | | 4.9 | | 93 | SOUTHEASTERN ALASKA. <AGS-P>. ML 5.0 (PMR). Felt (V) at Haines; (IV) at Gustavus and Skagway; (III) at Juneau. Also felt at Whitehorse, Yukon Territary. |
| | 17 | 13 | 31 | 06.3& | 58.551 | N | 143.402 | W | 10 | G | | | 20 | GULF OF ALASKA. <AGS-P>. |
| | 17 | 13 | 42 | 23.6& | 58.570 | N | 143.784 | W | 10 | G | | | 28 | GULF OF ALASKA. <AGS-P>. ML 3.5 (PMR). |
| | 17 | 14 | 17 | 24.6& | 58.563 | N | 143.301 | W | 10 | G | | | 21 | GULF OF ALASKA. <AGS-P>. |
| | 17 | 14 | 34 | 20.7& | 58.571 | N | 143.285 | W | 10 | G | | | 34 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 17 | 15 | 51 | 41.9& | 58.576 | N | 143.776 | W | 10 | G | | | 17 | GULF OF ALASKA. <AGS-P>. ML 3.3 (PMR). |
| | 17 | 15 | 54 | 13.9& | 58.632 | N | 143.560 | W | 10 | G | | | 24 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 17 | 15 | 57 | 24.3 | 34.215 | N | 131.472 | E | 25 | | 4.6 4.9 | 1.3 | 55 | SOUTHERN HONSHU, JAPAN. Felt (III JMA) at Shimonoseki; (II JMA) in the Matsuyama-Oita-Fukuoko area and (I JMA) at Hirashima and Sago. |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17 | 16 | 32 | 08 | 0& | 58.692 | N | 143.321 | W | 10 | G | | | 24 | GULF OF ALASKA. <AGS-P>. ML 3.4 (PMR). |
| | 17 | 16 | 45 | 00.0& | | 58.572 | N | 143.179 | W | 10 | G | | | 9 | GULF OF ALASKA. <AGS-P>. |
| | 17 | 20 | 01 | 33.6& | | 58.647 | N | 143.758 | W | 10 | G | | | 22 | GULF OF ALASKA. <AGS-P>. ML 4.0 (PMR). |
| | 17 | 20 | 20 | 11.9& | | 58.579 | N | 143.690 | W | 10 | G | | | 13 | GULF OF ALASKA. <AGS-P>. |
| | 17 | 20 | 40 | 41.6 | | 9.806 | N | 79.198 | W | 45 | | 4.6 | 0.8 | 63 | PANAMA. Felt (V) at Panama City and (IV) at Colon. |
| | 17 | 20 | 57 | 04.1* | | 30.829 | S | 117.081 | E | 10 | G | | 0.4 | 5 | WESTERN AUSTRALIA |
| | 17 | 20 | 59 | 49.4* | | 24.149 | N | 122.271 | E | 33 | N | 4.0 | 1.4 | 10 | TAIWAN REGION |
| | 17 | 21 | 06 | 16.2* | | 58.651 | N | 143.194 | W | 10 | G | | 0.4 | 6 | GULF OF ALASKA. ML 3.5 (PMR). |
| | 17 | 22 | 21 | 59.6& | | 58.562 | N | 143.682 | W | 10 | G | | | 20 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 17 | 22 | 38 | 44.7% | | 15.942 | N | 60.311 | W | 33 | N | | 0.7 | 6 | LEEWARD ISLANDS. ML 3.3 (FDF). |
| | 18 | 00 | 07 | 05.9 | | 46.870 | N | 151.899 | E | 119 | * | 5.0 | 0.8 | 136 | KURIL ISLANDS |
| | 18 | 00 | 49 | 41.6* | | 47.207 | N | 9.424 | E | 10 | G | | 1.4 | 7 | GERMANY |
| a | 18 | 01 | 34 | 00.1 | | 8.094 | S | 108.793 | E | 66 | D | 5.5 | 1.1 | 176 | JAVA |
| | 18 | 02 | 23 | 45.9* | | 6.745 | N | 72.925 | W | 164 | | 4.2 | 1.4 | 19 | NORTHERN COLOMBIA |
| | 18 | 02 | 47 | 14.1* | | 37.829 | N | 29.981 | E | 23 | * | | 1.3 | 7 | TURKEY |
| | 18 | 02 | 53 | 51.5? | | 2.36 | N | 127.36 | E | 33 | N | 4.6 | 1.2 | 8 | MOLUCCA PASSAGE |
| | 18 | 04 | 41 | 28.6* | | 1.421 | S | 99.573 | E | 33 | N | 4.6 | 1.2 | 17 | SOUTHERN SUMATERA |
| | 18 | 05 | 24 | 56.1 | | 13.675 | N | 120.888 | E | 142 | | 4.8 | 1.1 | 77 | MINDORO, PHILIPPINE ISLANDS |
| | 18 | 05 | 49 | 41.5* | | 38.258 | N | 28.737 | E | 10 | G | | 1.3 | 5 | TURKEY |
| a | 18 | 06 | 18 | 52.5& | | 58.597 | N | 143.781 | W | 10 | G | 5.0 4.9 | | 139 | GULF OF ALASKA. <AGS-P>. ML 5.0 (PMR). |
| | 18 | 06 | 27 | 02.4& | | 58.764 | N | 143.309 | W | 10 | G | | | 21 | GULF OF ALASKA. <AGS-P>. |
| | 18 | 06 | 36 | 17.1 | | 9.670 | S | 119.625 | E | 55 | * | 4.7 | 1.4 | 21 | SUMBA ISLAND REGION |
| | 18 | 06 | 57 | 04.8& | | 58.594 | N | 143.685 | W | 10 | G | 4.0 | | 40 | GULF OF ALASKA. <AGS-P>. ML 4.4 (PMR). |
| a | 18 | 07 | 13 | 23.0& | | 58.696 | N | 143.398 | W | 10 | G | 4.7 | | 103 | GULF OF ALASKA. <AGS-P>. ML 4.9 (PMR). |
| | 18 | 07 | 19 | 05.5? | | 50.94 | N | 176.80 | W | 33 | N | 4.1 | 0.8 | 6 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| | 18 | 08 | 47 | 45.5? | | 58.35 | N | 144.20 | W | 10 | G | | 0.9 | 7 | GULF OF ALASKA. ML 3.5 (PMR). |
| | 18 | 09 | 37 | 11.2* | | 21.254 | S | 120.650 | E | 10 | G | | 0.7 | 8 | WESTERN AUSTRALIA |
| | 18 | 11 | 39 | 30.8* | | 13.933 | N | 90.315 | W | 33 | N | 4.8 | 0.9 | 18 | NEAR COAST OF GUATEMALA |
| | 18 | 11 | 54 | 02.0& | | 58.657 | N | 143.741 | W | 10 | G | | | 31 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| a | 18 | 12 | 04 | 49.3 | | 24.969 | N | 123.933 | E | 116 | | 4.9 | 0.9 | 106 | SOUTHWESTERN RYUKYU ISLANDS. Felt (I JMA) on Ishigaki-shima. |
| | 18 | 12 | 27 | 58.9* | | 19.242 | S | 169.910 | E | 49 | * | 5.0 | 1.5 | 36 | VANUATU ISLANDS |
| | 18 | 12 | 30 | 36.8* | | 58.827 | N | 143.583 | W | 10 | G | | 1.0 | 8 | GULF OF ALASKA. ML 3.3 (PMR). |
| a | 18 | 12 | 46 | 44.8 | | 26.285 | S | 70.506 | W | 41 | | 5.7 6.4 | 1.0 | 139 | NEAR COAST OF NORTHERN CHILE. Felt (V) at Taltal; (IV) at Copiapo and Chanaral. |
| a | 18 | 13 | 01 | 55.2& | | 58.642 | N | 143.190 | W | 10 | G | 5.2 5.6 | | 201 | GULF OF ALASKA. <AGS-P>. ML 5.6 (PMR). Ms 5.9 (BRK), 5.9 (PAS). |
| | 18 | 13 | 27 | 32.6& | | 58.564 | N | 143.168 | W | 10 | G | | | 18 | GULF OF ALASKA. <AGS-P>. |
| | 18 | 14 | 53 | 00.6& | | 58.446 | N | 143.830 | W | 10 | G | 4.3 | | 44 | GULF OF ALASKA. <AGS-P>. ML 4.1 (PMR). |
| | 18 | 14 | 55 | 22.1% | | 60.390 | N | 4.936 | E | 0 | G | | 0.8 | 7 | SOUTHERN NORWAY. MD 1.9 (BER). Probable explosion. |
| | 18 | 15 | 11 | 44.0& | | 58.799 | N | 143.294 | W | 10 | G | | | 14 | GULF OF ALASKA. <AGS-P>. |
| | 18 | 15 | 45 | 59.8& | | 58.604 | N | 143.382 | W | 10 | G | | | 39 | GULF OF ALASKA. <AGS-P>. ML 4.0 (PMR). |
| f | 18 | 16 | 27 | 05.2 | | 12.845 | N | 124.770 | E | 22 | G | 5.9 6.3 | 1.0 | 296 | SAMAR, PHILIPPINE ISLANDS. Felt (IV RF) at Santa Misericordia, Luzon, (III RF) at Catbalogan, Samar and (II RF) at Manila, Luzon. Depth from broadband displacement seismograms. |
| | 18 | 16 | 42 | 36.3& | | 40.388 | N | 124.477 | W | 17 | | | | 5 | NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK). |
| | 18 | 16 | 57 | 58.3& | | 58.632 | N | 143.207 | W | 10 | G | | | 13 | GULF OF ALASKA. <AGS-P>. |
| | 18 | 17 | 04 | 19.4 | | 51.197 | N | 174.314 | W | 33 | N | 4.7 | 1.0 | 44 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| | 18 | 17 | 05 | 06.5 | | 40.260 | N | 19.848 | E | 10 | G | 3.4 | 1.5 | 15 | ALBANIA. MD 3.8 (ATH). |
| | 18 | 17 | 32 | 03.1 | | 46.721 | N | 5.620 | E | 10 | G | | 1.4 | 22 | FRANCE. ML 3.9 (LDG). |
| | 18 | 17 | 55 | 03.1& | | 58.623 | N | 143.334 | W | 10 | G | | | 29 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 18 | 19 | 14 | 50.7? | | 32.44 | N | 36.89 | E | 10 | G | | 0.2 | 7 | DEAD SEA REGION |
| | 18 | 22 | 19 | 55.2? | | 17.58 | S | 172.88 | W | 33 | N | 5.2 | 1.5 | 21 | TONGA ISLANDS REGION |
| | 18 | 23 | 54 | 41.3* | | 6.975 | N | 73.268 | W | 151 | * | 4.3 | 1.2 | 12 | NORTHERN COLOMBIA |
| | 19 | 00 | 20 | 59.8* | | 7.295 | S | 130.616 | E | 33 | N | | 0.9 | 8 | TANIMBAR ISLANDS REGION |
| | 19 | 03 | 28 | 57.9 | | 51.642 | N | 179.872 | W | 88 | D | 4 7 | 0.9 | 44 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| | 19 | 04 | 08 | 01.0 | | 0.774 | S | 133.613 | E | 43 | * | 5.0 | 1.5 | 41 | WEST IRIAN REGION |
| | 19 | 06 | 37 | 28.8 | | 47.411 | N | 115.784 | W | 0 | G | | 0.6 | 8 | MONTANA. CL 2.7 (BUT) Rockburst at the Lucky Friday mine, Idaho. Felt at Mullan, Idaho. |
| | 19 | 07 | 04 | 47.8* | | 59.852 | N | 30.121 | W | 10 | G | 4.7 | 0.7 | 21 | NORTH ATLANTIC OCEAN |
| | 19 | 10 | 22 | 59.4* | | 40.383 | N | 63.866 | E | 33 | N | 4.2 | 1.1 | 7 | UZBEK SSR. Felt (IV) at Gazli; (III) at Nurata and Tamdybulak. |
| | 19 | 11 | 14 | 34.6% | | 60.297 | N | 5.360 | E | 10 | G | | 0.4 | 5 | SOUTHERN NORWAY. MD 1.9 (BER). |
| | 19 | 11 | 27 | 38.0 | | 18.794 | S | 69.480 | W | 133 | * | 4.8 | 1.0 | 25 | NORTHERN CHILE |
| | 19 | 12 | 58 | 21.4? | | 40.40 | N | 125.90 | W | 10 | G | | 0.8 | 6 | OFF COAST OF NORTHERN CALIFORNIA. ML 3.1 (BRK). |
| | 19 | 12 | 59 | 28.8 | | 43.263 | N | 13.861 | E | 10 | G | | 1.4 | 41 | CENTRAL ITALY. MD 3.8 (TRI). ML 3.7 (LDG), 3.6 (KBA). |
| | 19 | 14 | 14 | 33.2? | | 58.14 | N | 6.29 | E | 0 | G | | 0.5 | 6 | SOUTHERN NORWAY. MD 2.2 (BER) Probable explosion. |
| a | 19 | 14 | 30 | 31.4 | | 59.922 | N | 29.887 | W | 10 | G | 4.8 4.8 | 0.6 | 49 | NORTH ATLANTIC OCEAN |
| | 19 | 14 | 58 | 41.7* | | 67.763 | N | 163.638 | W | 10 | G | 4.2 | 0.8 | 6 | ALASKA |
| | 19 | 15 | 28 | 31.8& | | 58.331 | N | 143.702 | W | 10 | G | | | 18 | GULF OF ALASKA. <AGS-P>. |
| | 19 | 16 | 02 | 18.8 | | 9 716 | N | 83.604 | W | 19 | | 4.8 | 1.2 | 47 | COSTA RICA. MD 4.8 (UPA), 4.3 (HDC). Felt (IV) at Chiriqui and Bocas del Toro, Panama. Felt throughout central and southern Costa Rica. Also felt by people in high-rise buildings in Panama City, Panama. |
| a | 19 | 16 | 15 | 34.8 | | 24.248 | N | 142.608 | E | 41 | * | 5.7 5.5 | 1.1 | 249 | VOLCANO ISLANDS REGION. Ms 5.3 (BRK). |
| | 19 | 16 | 30 | 58.3 | | 21.904 | S | 138.995 | W | 0 | G | 5.9 5.7 | 0.9 | 207 | TUAMOTU ARCHIPELAGO REGION |
| | 19 | 16 | 43 | 13.6 | | 6.222 | S | 150.970 | E | 49 | * | 4.6 | 0.7 | 12 | NEW BRITAIN REGION |
| | 19 | 16 | 56 | 55.9& | | 58.464 | N | 143.795 | W | 10 | G | | | 33 | GULF OF ALASKA. <AGS-P>. |
| | 19 | 17 | 29 | 55.5* | | 39.514 | N | 74.936 | E | 33 | N | 4.6 | 1.4 | 14 | SOUTHERN XINJIANG, CHINA |
| | 19 | 18 | 00 | 02.1* | | 20.641 | S | 120.063 | E | 10 | G | | 1.2 | 9 | WESTERN AUSTRALIA |
| | 19 | 18 | 03 | 05.6 | | 62.670 | N | 151.772 | W | 10 | G | | 0.8 | 7 | CENTRAL ALASKA. ML 3.1 (PMR). |
| | 19 | 19 | 17 | 51.0 | | 35.909 | N | 139.480 | E | 74 | * | 4.1 | 0.6 | 9 | NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Utsunamiya and (I JMA) at Tokya. |
| | 19 | 19 | 57 | 22.8% | | 16.670 | N | 61.601 | W | 10 | G | | 1.3 | 5 | LEEWARD ISLANDS. ML 1.9 (FDF). |
| | 19 | 19 | 58 | 05.5? | | 5.95 | S | 152.47 | E | 33 | N | 3.9 | 1.4 | 6 | NEW BRITAIN REGION |
| | 19 | 21 | 20 | 28.1 | | 59.825 | N | 6.412 | E | 10 | G | | 0.6 | 7 | SOUTHERN NORWAY. MD 1.7 (BER). |
| a | 19 | 22 | 23 | 55.0 | | 6.696 | S | 147.486 | E | 19 | | 5.6 4.6 | 1.4 | 99 | EAST PAPUA NEW GUINEA REGION. ML 5.4 (PMG). |
| | 19 | 23 | 03 | 38.0* | | 44.725 | N | 18.990 | E | 10 | G | | 1.2 | 7 | YUGOSLAVIA. ML 3.0 (VKA). |
| | 19 | 23 | 11 | 30.9? | | 6.89 | S | 147.64 | E | 26 | * | 4.0 | 1.4 | 9 | EAST PAPUA NEW GUINEA REGION. ML 4.6 (PMG). |
| | 19 | 23 | 39 | 17.8 | | 24.224 | N | 142.777 | E | 33 | N | 5.0 | 0.9 | 44 | VOLCANO ISLANDS REGION |
| | 20 | 01 | 22 | 10.1? | | 45.94 | N | 153.64 | E | 33 | N | 4.7 | 0.7 | 8 | KURIL ISLANDS REGION |
| | 20 | 03 | 07 | 33.6% | | 56.651 | N | 6.455 | W | 10 | G | | 0.3 | 8 | UNITED KINGDOM. ML 2.4 (BGS). Felt (III) at Lochaiort. |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 | 04 | 03 | 34.2& | 58.423 | N | 143.032 | W | 10 | G | | | 15 | GULF OF ALASKA. <AGS-P>. |
| | 20 | 04 | 08 | 12.5* | 11.301 | N | 140.681 | E | 65 | ? | | 1.0 | 10 | WEST CAROLINE ISLANDS |
| | 20 | 04 | 54 | 41.0? | 20.25 | S | 119.95 | E | 10 | G | | 1.3 | 7 | WESTERN AUSTRALIA |
| | 20 | 06 | 33 | 20.1* | 38.479 | N | 27.620 | E | 10 | G | | 0.6 | 6 | TURKEY |
| | 20 | 07 | 37 | 48.7* | 39.640 | N | 75.084 | E | 33 | N | 4.2 | 0.5 | 7 | SOUTHERN XINJIANG, CHINA |
| | 20 | 07 | 40 | 44.1& | 58.555 | N | 143.444 | W | 10 | G | | | 19 | GULF OF ALASKA. <AGS-P>. |
| | 20 | 07 | 51 | 38.5& | 58.622 | N | 143.312 | W | 10 | G | | | 33 | GULF OF ALASKA. <AGS-P>. ML 3.3 (NEIS). |
| | 20 | 08 | 01 | 35.1& | 59.963 | N | 152.979 | W | 107 | | | | 29 | SOUTHERN ALASKA. <AGS-P>. |
| | 20 | 08 | 56 | 44.3% | 39.803 | N | 28.721 | E | 10 | G | | 0.6 | 6 | TURKEY |
| | 20 | 10 | 52 | 51.7& | 62.507 | N | 151.208 | W | 88 | | | | 45 | CENTRAL ALASKA. <AGS-P>. Felt (II) at Anchorage. |
| | 20 | 10 | 53 | 48.7* | 8.279 | N | 94.940 | E | 33 | N | 4.3 | 0.6 | 9 | NICOBAR ISLANDS REGION |
| | 20 | 11 | 32 | 04.4& | 61.536 | N | 147.770 | W | 27 | | | | 36 | SOUTHERN ALASKA. <AGS-P>. |
| | 20 | 12 | 47 | 50.2* | 29.202 | N | 51.890 | E | 33 | N | | 0.4 | 5 | SOUTHERN IRAN. ML 3.8 (BMU). |
| | 20 | 13 | 12 | 21.1& | 58.555 | N | 142.898 | W | 10 | G | | | 25 | GULF OF ALASKA. <AGS-P>. |
| | 20 | 13 | 31 | 17.4& | 58.493 | N | 142.810 | W | 10 | G | | | 27 | GULF OF ALASKA. <AGS-P>. |
| | 20 | 16 | 04 | 08.4 | 40.220 | N | 63.040 | E | 43 | * | 5.0 | 0.9 | 88 | UZBEK SSR. Felt (IV) at Gazli. |
| | 20 | 16 | 26 | 38.7 | 10.131 | N | 126.949 | E | 57 | * | 4.9 | 1.2 | 41 | PHILIPPINE ISLANDS REGION |
| | 20 | 16 | 41 | 40.3& | 58.471 | N | 143.682 | W | 10 | G | | | 21 | GULF OF ALASKA. <AGS-P>. |
| | 20 | 16 | 56 | 49.9 | 5.588 | N | 125.643 | E | 65 | * | 5.0 | 1.2 | 61 | MINDANAO, PHILIPPINE ISLANDS |
| | 20 | 17 | 29 | 27.0% | 40.723 | N | 22.819 | E | 10 | G | | 0.4 | 5 | GREECE |
| | 20 | 18 | 07 | 39.8& | 58.476 | N | 143.642 | W | 10 | G | | | 31 | GULF OF ALASKA. <AGS-P>. ML 3.3 (PMR). |
| | 20 | 18 | 20 | 20.1& | 58.454 | N | 143.676 | W | 10 | G | | | 26 | GULF OF ALASKA. <AGS-P>. ML 3.3 (PMR). |
| | 20 | 19 | 05 | 03.6? | 20.94 | S | 178.67 | W | 600 | * | 4.4 | 1.6 | 14 | FIJI ISLANDS REGION |
| | 20 | 19 | 52 | 07.3* | 0.537 | S | 77.572 | W | 33 | N | | 1.4 | 10 | ECUADOR. Felt (III) in the Quito area. |
| | 20 | 20 | 39 | 36.9 | 47.577 | N | 7.210 | E | 10 | G | | 1.4 | 9 | SWITZERLAND. ML 2.8 (LDG). |
| a | 20 | 21 | 19 | 47.7 | 55.489 | S | 28.018 | W | 30 | D | 5.5 | 1.0 | 86 | SOUTH SANDWICH ISLANDS REGION |
| | 20 | 21 | 34 | 25.3% | 40.811 | N | 27.640 | E | 10 | G | | 1.2 | 7 | TURKEY |
| a | 20 | 21 | 38 | 55.5 | 55.469 | S | 27.986 | W | 33 | N | 5.5 | 0.9 | 36 | SOUTH SANDWICH ISLANDS REGION |
| | 20 | 21 | 45 | 39.9* | 37.186 | N | 36.464 | E | 10 | G | | 1.2 | 12 | TURKEY. ML 3.6 (CSS). |
| | 20 | 22 | 59 | 26.4% | 39.569 | N | 28.882 | E | 10 | G | | 0.6 | 6 | TURKEY |
| | 20 | 23 | 57 | 10.2* | 18.120 | N | 67.016 | W | 33 | N | | 0.6 | 7 | MONA PASSAGE |
| | 21 | 00 | 53 | 24.3* | 36.104 | N | 27.602 | E | 10 | G | | 0.7 | 9 | DODECANESE ISLANDS |
| | 21 | 01 | 03 | 20.8& | 36.752 | N | 80.702 | W | 3 | | | | 14 | NORTH CAROLINA. <BLA>. MD 2.1 (BLA). Felt in Carroll County, Virginia. |
| | 21 | 01 | 08 | 33.3? | 31.04 | S | 72.14 | W | 33 | N | | 0.7 | 11 | OFF COAST OF CENTRAL CHILE |
| | 21 | 01 | 46 | 19.8& | 58.282 | N | 143.677 | W | 10 | G | | | 25 | GULF OF ALASKA. <AGS-P>. |
| | 21 | 03 | 46 | 40.3& | 61.408 | N | 150.976 | W | 72 | | | | 44 | SOUTHERN ALASKA. <AGS-P>. |
| | 21 | 03 | 50 | 28.5? | 6.82 | S | 129.82 | E | 33 | N | 4.5 | 1.1 | 6 | BANDA SEA |
| | 21 | 03 | 59 | 44.4* | 36.192 | N | 71.346 | E | 129 | * | 4.6 | 1.3 | 21 | AFGHANISTAN-USSR BORDER REGION |
| | 21 | 04 | 25 | 17.5 | 45.485 | N | 6.693 | E | 10 | G | | 0.9 | 7 | FRANCE. ML 2.6 (LDG). |
| | 21 | 04 | 59 | 01.6? | 68.25 | N | 164.58 | W | 10 | G | | 0.3 | 6 | ALASKA. ML 3.4 (PMR). |
| | 21 | 07 | 39 | 57.1? | 9.04 | S | 112.70 | E | 33 | N | 4.3 | 1.6 | 5 | SOUTH OF JAVA |
| | 21 | 07 | 58 | 04.3% | 11.833 | N | 43.059 | E | 10 | G | | 0.5 | 10 | ETHIOPIA |
| | 21 | 11 | 28 | 18.1* | 3.131 | S | 133.890 | E | 33 | N | 4.1 | 1.4 | 8 | WEST IRIAN REGION |
| | 21 | 13 | 48 | 57.3 | 43.097 | N | 131.072 | E | 561 | D | 4.6 | 1.0 | 137 | E. USSR-N.E. CHINA BORDER REG. |
| | 21 | 14 | 01 | 13.0 | 47.654 | N | 7.327 | E | 27 | | | 1.2 | 30 | SWITZERLAND. ML 3.2 (LDG). |
| | 21 | 14 | 15 | 54.0* | 39.441 | N | 22.788 | E | 10 | | | 1.2 | 10 | GREECE. ML 3.3 (ATH). |
| | 21 | 15 | 14 | 40.4& | 58.570 | N | 143.203 | W | 10 | G | | | 32 | GULF OF ALASKA. <AGS-P>. |
| | 21 | 15 | 39 | 43.6? | 4.84 | S | 138.11 | E | 33 | N | 3.0 | 0.7 | 5 | WEST IRIAN |
| | 21 | 15 | 43 | 14.4* | 37.153 | N | 29.417 | E | 10 | G | | 0.7 | 5 | TURKEY |
| | 21 | 16 | 07 | 07.1& | 58.678 | N | 143.166 | W | 10 | G | 3.8 | | 43 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 21 | 16 | 37 | 37.8% | 46.745 | N | 5.800 | E | 10 | G | | 0.8 | 8 | FRANCE ML 2.5 (LDG). |
| | 21 | 17 | 18 | 07.2? | 18.07 | N | 67.10 | W | 33 | N | | 0.5 | 5 | MONA PASSAGE |
| a | 21 | 19 | 23 | 56.5 | 7.066 | S | 123.218 | E | 650 | | 5.1 | 0.9 | 95 | BANDA SEA |
| | 21 | 19 | 27 | 42.8 | 7.077 | S | 123.283 | E | 654 | * | 4.6 | 0 7 | 21 | BANDA SEA |
| | 21 | 19 | 48 | 09.1? | 4.65 | S | 139.96 | E | 33 | N | 4.1 | 1.5 | 6 | WEST IRIAN |
| | 21 | 19 | 56 | 59.9 | 40.541 | N | 29.343 | E | 10 | G | | 0 6 | 12 | TURKEY |
| a | 21 | 22 | 12 | 37.2 | 5.819 | S | 146.773 | E | 108 | | 5 0 | 1 2 | 66 | EAST PAPUA NEW GUINEA REGION |
| | 21 | 23 | 12 | 29.2 | 63.231 | N | 150.632 | W | 33 | N | | 0.6 | 7 | CENTRAL ALASKA. ML 3.7 (PMR). |
| | 21 | 23 | 23 | 10.6% | 40.425 | N | 28.398 | E | 10 | G | | 1.0 | 5 | TURKEY |
| | 21 | 23 | 25 | 15.3& | 59.844 | N | 153.444 | W | 126 | | | | 35 | SOUTHERN ALASKA. <AGS-P>. |
| | 21 | 23 | 26 | 24.7& | 58.358 | N | 143.332 | W | 10 | G | | | 15 | GULF OF ALASKA. <AGS-P>. |
| | 22 | 00 | 04 | 21.8% | 39.543 | N | 28.807 | E | 10 | G | | 0.9 | 6 | TURKEY |
| o | 22 | 00 | 30 | 57.2* | 62.195 | S | 165.044 | E | 10 | G | 5.4 5.1 | 0.8 | 18 | BALLENY ISLANDS REGION |
| | 22 | 00 | 46 | 58.2? | 6.26 | S | 130.18 | E | 150 | ? | 3.9 | 1 1 | 7 | BANDA SEA |
| | 22 | 02 | 28 | 37.3? | 6.11 | S | 156.42 | E | 121 | ? | 4.1 | 0.4 | 6 | SOLOMON ISLANDS |
| | 22 | 02 | 44 | 20.9& | 40.400 | N | 127.300 | W | 5 | G | | | 11 | OFF COAST OF NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK). |
| o | 22 | 03 | 36 | 57.0 | 46.413 | N | 153.478 | E | 35 | D | 5.4 5.3 | 0 8 | 215 | KURIL ISLANDS |
| | 22 | 04 | 11 | 52.5& | 40.400 | N | 124.423 | W | 22 | | | | 19 | NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.7 (BRK). Felt (III) at Rio Dell. Also felt at Eureka, Ferndale and Fortuna. |
| | 22 | 05 | 00 | 09.6? | 7.84 | S | 128.42 | E | 148 | ? | 4 2 | 1.3 | 7 | BANDA SEA |
| | 22 | 05 | 29 | 14.1 | 10.396 | S | 161.297 | E | 75 | * | 4.8 | 1.1 | 27 | SOLOMON ISLANDS |
| | 22 | 05 | 59 | 24.6& | 58.420 | N | 144.058 | W | 10 | G | | | 29 | GULF OF ALASKA. <AGS-P>. ML 3.0 (PMR). |
| | 22 | 06 | 28 | 31.9? | 15.89 | N | 62.50 | W | 28 | * | | 1.6 | 9 | LEEWARD ISLANDS. ML 3.2 (FDF). |
| | 22 | 06 | 29 | 21.6 | 9.656 | S | 114.556 | E | 85 | * | 4.9 | 1.1 | 21 | SOUTH OF BALI ISLAND |
| | 22 | 06 | 41 | 53.8* | 34.049 | N | 118.091 | W | 5 | G | | 0.4 | 5 | SOUTHERN CALIFORNIA. ML 2.8 (PAS). Felt (III) at Pico Rivero. Also felt in the Whittier area. |
| | 22 | 06 | 47 | 04.1? | 5.24 | S | 131.96 | E | 33 | N | 4.4 | 1.5 | 6 | BANDA SEA |
| | 22 | 07 | 12 | 28.2 | 37.666 | N | 21.173 | E | 59 | * | 3.9 | 0.8 | 19 | SOUTHERN GREECE |
| | 22 | 07 | 33 | 10.4% | 15.327 | N | 60.513 | W | 33 | N | | 0.7 | 9 | LEEWARD ISLANDS. ML 3.0 (FDF). |
| | 22 | 07 | 37 | 35.0 | 40.551 | N | 29.309 | E | 10 | | | 1.1 | 13 | TURKEY. Felt in the Istanbul area. |
| | 22 | 07 | 50 | 45.3* | 19.441 | S | 69.899 | W | 100 | ? | | 1 4 | 11 | NORTHERN CHILE |
| | 22 | 07 | 53 | 11.2* | 6.943 | S | 155.727 | E | 72 | * | 4.2 | 1.1 | 13 | SOLOMON ISLANDS |
| | 22 | 08 | 49 | 57.3% | 39.451 | N | 28.410 | E | 10 | G | | 0.3 | 5 | TURKEY |
| | 22 | 09 | 32 | 17.6& | 40.137 | N | 122.812 | W | 31 | | | | 7 | NORTHERN CALIFORNIA. <BRK>. ML 3.0 (BRK). |
| | 22 | 10 | 41 | 34.8? | 5.73 | S | 131.38 | E | 141 | ? | 4.1 | 0 1 | 6 | BANDA SEA |
| | 22 | 10 | 52 | 18.2* | 8.140 | S | 107.573 | E | 33 | N | 4.1 | 1.2 | 20 | JAVA |
| | 22 | 11 | 58 | 00.2 | 14.275 | N | 146.635 | E | 59 | * | 5.0 4.6 | 1.0 | 101 | MARIANA ISLANDS |
| | 22 | 12 | 30 | 30.1? | 16.92 | N | 101.16 | W | 33 | N | 4.1 | 0.8 | 9 | NEAR COAST OF GUERRERO, MEXICO |
| | 22 | 14 | 54 | 16.8 | 8.312 | S | 118.922 | E | 175 | * | 4.3 | 0.9 | 18 | SUMBAWA ISLAND REGION |
| | 22 | 15 | 28 | 40.5& | 58.582 | N | 143.584 | W | 10 | G | | | 36 | GULF OF ALASKA. <AGS-P>. ML 4.7 (PMR). |
| | 22 | 15 | 33 | 47.7* | 6.971 | N | 73.301 | W | 153 | * | | 0.6 | 7 | NORTHERN COLOMBIA |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22 | 17 | 36 | 06.8% | 60.777 | N | 5.418 | E | 10 | G | | 0.8 | 5 | SOUTHERN NORWAY. MD 2.1 (BER). |
| | 22 | 18 | 02 | 51.4 | 38.524 | N | 23.608 | E | 10 | G | | 0.7 | 11 | GREECE. ML 3.3 (ATH). |
| | 22 | 19 | 09 | 25.4% | 39.785 | N | 27.903 | E | 10 | G | | 0.3 | 5 | TURKEY |
| | 22 | 19 | 09 | 48.3* | 34.338 | S | 70.189 | W | 10 | G | | 0.7 | 8 | CHILE-ARGENTINA BORDER REGION |
| | 22 | 19 | 38 | 30.2* | 42.230 | N | 138.809 | E | 120 | ? | 4.6 | 0.6 | 16 | EASTERN SEA OF JAPAN |
| | 22 | 21 | 38 | 45.9* | 34.330 | S | 70.213 | W | 10 | G | | 0.6 | 8 | CHILE-ARGENTINA BORDER REGION |
| | 22 | 22 | 38 | 22.4* | 34.939 | S | 70.286 | W | 10 | G | | 1.0 | 8 | CHILE-ARGENTINA BORDER REGION |
| | 22 | 23 | 06 | 01.2% | 60.773 | N | 5.417 | E | 10 | G | | 0.5 | 6 | SOUTHERN NORWAY. MD 2.3 (BER). |
| | 23 | 00 | 18 | 26.2 | 21.758 | N | 142.965 | E | 300 | * | 4.5 | 0.9 | 45 | MARIANA ISLANDS REGION |
| | 23 | 01 | 20 | 25.7& | 58.640 | N | 143.123 | W | 10 | G | | | 29 | GULF OF ALASKA. <AGS-P>. ML 3.0 (PMR). |
| | 23 | 03 | 52 | 08.6 | 43.420 | N | 18.506 | E | 9 | | 3.8 | 0.9 | 82 | YUGOSLAVIA. ML 4.4 (KBA), 3.9 (VKA). MD 4.1 (TTG). Felt (VI) in the Kalinavik-Gacka area. Also felt at Sarajeva. |
| | 23 | 05 | 54 | 32.7 | 46.175 | N | 7.670 | E | 10 | G | | 1.1 | 8 | SWITZERLAND |
| a | 23 | 07 | 18 | 20.5& | 61.616 | N | 141.323 | W | 5 | G | 5.7 5.0 | | 358 | SOUTHERN ALASKA. <AGS-P>. ML 5.4 (PMR), Ms 5.1 (BRK). Felt (IV) at Chitina and Capper Center, (III) at Ancharage and Yakutat. Alsa felt at Mile 64, Richardsan Highway and Destructian Bay, Yukan Territary. |
| | 23 | 07 | 33 | 27.6* | 61.613 | N | 141.088 | W | 5 | G | | 1.3 | 5 | SOUTHERN ALASKA. ML 3.1 (PMR). |
| | 23 | 07 | 54 | 04.1& | 61.709 | N | 141.240 | W | 0 | G | | | 33 | SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 23 | 08 | 04 | 13.5* | 61.552 | N | 140.967 | W | 5 | G | | 1.4 | 6 | SOUTHERN YUKON TERRITORY, CANADA. ML 3.2 (PMR). |
| | 23 | 08 | 35 | 08.8* | 61.677 | N | 141.046 | W | 5 | G | | 1.8 | 6 | SOUTHERN ALASKA. ML 3.3 (PMR). |
| | 23 | 09 | 30 | 58.4& | 60.502 | N | 142.978 | W | 11 | | | | 18 | SOUTHERN ALASKA. <AGS-P>. Fareshack. |
| | 23 | 09 | 31 | 08.9& | 60.557 | N | 142.952 | W | 0 | G | | | 24 | SOUTHERN ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 23 | 10 | 02 | 15.7? | 37.69 | N | 25.38 | W | 10 | G | | 0.2 | 5 | AZORES ISLANDS |
| | 23 | 10 | 24 | 28.3* | 61.580 | N | 140.938 | W | 5 | G | | 1.0 | 7 | SOUTHERN YUKON TERRITORY, CANADA. ML 3.2 (PMR). |
| | 23 | 10 | 33 | 52.6& | 61.520 | N | 141.361 | W | 0 | G | | | 34 | SOUTHERN ALASKA. <AGS-P>. ML 3.4 (PMR). |
| | 23 | 11 | 55 | 54.9 | 1.952 | N | 120.778 | E | 35 | * | 5.0 | 0.9 | 46 | MINAHASSA PENINSULA |
| | 23 | 12 | 43 | 27.6 | 11.774 | N | 43.059 | E | 10 | G | 4.6 | 1.0 | 12 | ETHIOPIA |
| | 23 | 12 | 49 | 28.4? | 30.26 | N | 93.57 | E | 33 | N | 4.9 | 1.1 | 5 | TIBET |
| | 23 | 13 | 39 | 17.5 | 1.990 | S | 138.919 | E | 33 | N | 4.5 | 1.3 | 32 | NEAR N. COAST OF WEST IRIAN |
| | 23 | 13 | 54 | 34.3% | 60.470 | N | 5.474 | E | 0 | G | | 1.0 | 6 | SOUTHERN NORWAY. MD 1.7 (BER). Probable explasian. |
| | 23 | 15 | 12 | 03.4* | 12.672 | N | 96.352 | E | 33 | N | 3.7 | 0.7 | 5 | ANDAMAN ISLANDS REGION |
| | 23 | 16 | 09 | 01.8* | 61.582 | N | 140.767 | W | 5 | G | | 1.2 | 6 | SOUTHERN YUKON TERRITORY, CANADA |
| | 23 | 16 | 11 | 04.3* | 8.753 | S | 75.885 | W | 66 | * | | 1.1 | 13 | PERU |
| | 23 | 16 | 12 | 05.0* | 39.680 | N | 20.638 | E | 10 | G | | 0.2 | 5 | GREECE-ALBANIA BORDER REGION. MD 3.2 (ATH). |
| | 23 | 16 | 37 | 59.8* | 38.037 | N | 22.034 | E | 10 | G | | 0.9 | 9 | GREECE. ML 3.4 (ATH). |
| | 23 | 17 | 38 | 51.5* | 1.894 | S | 99.597 | E | 33 | N | 4.0 | 0.9 | 6 | SOUTHERN SUMATERA |
| | 23 | 19 | 24 | 20.9 | 38.871 | N | 27.516 | E | 9 | | | 1.0 | 15 | TURKEY |
| | 23 | 20 | 05 | 46.9 | 44.982 | N | 11.479 | E | 10 | G | | 1.4 | 7 | NORTHERN ITALY |
| | 23 | 21 | 53 | 50.1? | 32.54 | S | 71.47 | W | 10 | G | | 1.0 | 10 | NEAR COAST OF CENTRAL CHILE |
| | 23 | 22 | 02 | 52.7? | 32.18 | N | 35.34 | E | 10 | G | | 0.4 | 6 | DEAD SEA REGION |
| | 23 | 22 | 49 | 28.5? | 38.09 | N | 25.65 | E | 10 | G | | 1.0 | 5 | AEGEAN SEA |
| | 23 | 23 | 06 | 33.7* | 38.352 | N | 27.120 | E | 10 | G | | 1.0 | 7 | TURKEY |
| | 23 | 23 | 09 | 38.5? | 7.56 | S | 148.71 | E | 33 | N | 4.1 | 0.7 | 7 | EAST PAPUA NEW GUINEA REGION. ML 4.4 (PMG). |
| | 23 | 23 | 28 | 57.6 | 38.376 | N | 22.105 | E | 10 | G | | 0.9 | 11 | GREECE. ML 3.1 (ATH). |
| | 23 | 23 | 54 | 06.4? | 4.48 | S | 148.21 | E | 183 | ? | 4.7 | 1.5 | 6 | BISMARCK SEA |
| | 24 | 01 | 32 | 48.0& | 33.070 | N | 115.780 | W | 4 | | 4.3 | | 25 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.2 (PAS). |
| | 24 | 01 | 43 | 59.7? | 32.28 | S | 71.90 | W | 10 | G | | 0.5 | 10 | NEAR COAST OF CENTRAL CHILE |
| | 24 | 01 | 53 | 03.1& | 33.070 | N | 115.780 | W | 4 | | | | 21 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS). |
| a | 24 | 01 | 54 | 14.5& | 33.083 | N | 115.775 | W | 5 | | 5.7 6.2 | | 237 | SOUTHERN CALIFORNIA. <PAS-P>. ML 5.8 (PAS), 6.5 (BRK). Two peaple killed in an earthquake-related automobile accident abaut 80 km. east af Mexicali, Mexica. Slight damage (VI) at Calipatria, El Centra, Heber and Westmarland. Felt thraughaut much af southern California fram San Diega and Las Angeles to Las Vegas, Nevada and Yuma, Arizona. Also felt at Mexicali, Tijuana and Ensenada, Mexico. |
| | 24 | 01 | 58 | 53 4& | 33.100 | N | 115.790 | W | 6 | | | | 2 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 24 | 02 | 01 | 46.7& | 33.070 | N | 115.790 | W | 1 | | | | 3 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS). |
| | 24 | 02 | 05 | 19 7& | 33.160 | N | 115.720 | W | 0 | | | | 9 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). |
| | 24 | 02 | 05 | 51.9& | 33.090 | N | 115.780 | W | 0 | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 24 | 02 | 06 | 45 1& | 33.040 | N | 115.820 | W | 3 | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.7 (PAS). |
| | 24 | 02 | 11 | 35.8& | 33.070 | N | 115.800 | W | 0 | | | | 5 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 24 | 02 | 14 | 35 4& | 33.040 | N | 115.820 | W | 5 | | | | 15 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.5 (PAS). |
| | 24 | 02 | 15 | 26.0? | 33.25 | N | 115.62 | W | 5 | G | 4.3 | 1.4 | 6 | SOUTHERN CALIFORNIA |
| | 24 | 02 | 16 | 47 1& | 33.050 | N | 115.800 | W | 6 | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS). |
| | 24 | 02 | 21 | 59 5& | 33.030 | N | 115.810 | W | 4 | | | | 14 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS). |
| | 24 | 02 | 25 | 52.0& | 33.080 | N | 115.780 | W | 5 | | | | 6 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). |
| | 24 | 02 | 40 | 22.1% | 11.813 | N | 43.060 | E | 10 | G | | 0.7 | 8 | ETHIOPIA |
| | 24 | 02 | 46 | 01 4& | 33.050 | N | 115.800 | W | 6 | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). |
| | 24 | 02 | 53 | 00.7& | 33.040 | N | 115.810 | W | 3 | | 4.4 | | 35 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.7 (PAS). |
| | 24 | 03 | 00 | 01.5& | 33.050 | N | 115.800 | W | 6 | | | | 8 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 24 | 03 | 01 | 44.4? | 38.37 | N | 27.15 | E | 10 | G | | 1.2 | 7 | TURKEY |
| | 24 | 03 | 03 | 34.9? | 7.17 | S | 149.36 | E | 33 | N | 4.4 | 1.1 | 10 | NEW BRITAIN REGION |
| | 24 | 03 | 07 | 57.6& | 33.050 | N | 115.800 | W | 6 | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 24 | 03 | 13 | 32.4& | 33.050 | N | 115.800 | W | 6 | | | | 2 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). |
| | 24 | 03 | 21 | 10.3& | 33.170 | N | 115.660 | W | 1 | | | | 6 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). |
| | 24 | 03 | 23 | 24.7& | 33.180 | N | 115.650 | W | 0 | | | | 2 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| | 24 | 03 | 24 | 13.8& | 33.180 | N | 115.660 | W | 0 | | | | 2 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). |
| | 24 | 03 | 27 | 37.7 | 21.728 | N | 143.042 | E | 323 | * | 4.5 | 0.8 | 33 | MARIANA ISLANDS REGION |
| | 24 | 03 | 28 | 57.9& | 33.020 | N | 115.810 | W | 1 | | | | 4 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 24 | 03 | 43 | 55.1& | 33.060 | N | 115.810 | W | 6 | | | | 11 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS). |
| | 24 | 03 | 56 | 28.2& | 33.200 | N | 115.680 | W | 1 | | | | 8 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). |
| | 24 | 04 | 00 | 45.0& | 33.160 | N | 115.710 | W | 2 | | | | 9 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 24 | 04 | 04 | 36.8& | 33.180 | N | 115.650 | W | 0 | | | | 9 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). |
| | 24 | 04 | 40 | 40.9& | 33.120 | N | 115.730 | W | 0 | | | | 3 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). |
| | 24 | 04 | 55 | 22.3& | 59.867 | N | 135.621 | W | 30 | | | | 13 | SOUTHEASTERN ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 24 | 05 | 34 | 29.8? | 1.29 | S | 119.89 | E | 33 | N | 4.1 | 1.5 | 5 | SULAWESI |
| | 24 | 05 | 42 | 54.1& | 33.060 | N | 115.800 | W | 1 | | | | 8 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| | 24 | 06 | 10 | 16.6? | 15.72 | N | 148.68 | E | 33 | N | 4.1 | 1.0 | 8 | MARIANA ISLANDS REGION |
| | 24 | 06 | 21 | 54.5& | 33.210 | N | 115.670 | W | 2 | | | | 8 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| | 24 | 06 | 23 | 23.1& | 33.020 | N | 115.810 | W | 3 | | | | 12 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS). |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 24 | 06 | 32 | 02.4& | 33.090 | N | 115.780 | W | 0 | | | | 11 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). |
| | 24 | 06 | 32 | 49.6& | 33.210 | N | 115.660 | W | 0 | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 24 | 06 | 37 | 58.3? | 7.88 | S | 128.20 | E | 128 ? | 4.0 | | 1.2 | 9 | BANDA SEA |
| | 24 | 07 | 07 | 04.0* | 34.827 | N | 23.894 | E | 70 ? | 4.3 | | 1.2 | 13 | CRETE |
| | 24 | 07 | 30 | 02.5* | 21.633 | S | 68.526 | W | 158 * | | | 1.0 | 9 | CHILE-BOLIVIA BORDER REGION |
| | 24 | 07 | 30 | 03.1? | 36.75 | N | 11.52 | W | 33 N | | | 1.1 | 12 | NORTH ATLANTIC OCEAN. MG 3.8 (MDD). |
| | 24 | 07 | 30 | 38.9 | 4.296 | S | 136.205 | E | 33 N | 4.9 | | 1.3 | 24 | WEST IRIAN REGION |
| a | 24 | 07 | 39 | 58.2 | 56.076 | S | 27.481 | W | 90 D | 5.6 | | 1.1 | 66 | SOUTH SANDWICH ISLANDS REGION |
| | 24 | 08 | 37 | 13.5* | 33.092 | N | 115.791 | W | 5 G | | | 1.3 | 5 | SOUTHERN CALIFORNIA. ML 3.0 (NEIS). |
| a | 24 | 08 | 39 | 08.2 | 17.676 | S | 178.596 | W | 555 D | 5.5 | | 0.9 | 164 | FIJI ISLANDS REGION |
| | 24 | 08 | 50 | 21.7? | 53.28 | N | 167.26 | W | 33 N | 4.5 | | 1.7 | 11 | FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR). |
| | 24 | 09 | 18 | 12.9? | 37.08 | N | 71.49 | E | 33 N | 4.4 | | 0.6 | 7 | AFGHANISTAN-USSR BORDER REGION |
| a | 24 | 09 | 24 | 10.3 | 5.607 | S | 149.415 | E | 142 | 5.5 | | 1.0 | 99 | NEW BRITAIN REGION |
| | 24 | 09 | 31 | 54.2% | 47.807 | N | 0.621 | W | 10 G | | | 0.5 | 5 | FRANCE. ML 2.6 (LDG). |
| | 24 | 10 | 12 | 37.6& | 33.060 | N | 115.790 | W | 2 | | | | 5 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 24 | 10 | 40 | 33.1% | 39.582 | N | 29.372 | E | 10 G | | | 1.2 | 5 | TURKEY |
| | 24 | 10 | 44 | 19.6* | 56.370 | N | 153.064 | W | 33 N | 4.5 | | 1.3 | 14 | KODIAK ISLAND REGION. ML 3.8 (PMR). |
| a | 24 | 11 | 23 | 16.9 | 32.658 | N | 59.105 | E | 41 | 5.3 | 4.4 | 1.1 | 163 | IRAN About 485 buildings damaged in 15 villages west of Birjond. Felt at Birjand and Qaen. |
| a | 24 | 11 | 31 | 57.6* | 24.927 | N | 141.805 | E | 74 ? | 4.8 | 5.2 | 1.2 | 19 | VOLCANO ISLANDS REGION |
| | 24 | 12 | 31 | 28.5* | 24.073 | S | 69.013 | W | 78 ? | 4.1 | | 1.0 | 8 | NORTHERN CHILE |
| | 24 | 12 | 39 | 03.5 | 23.936 | S | 179.776 | W | 501 * | 5.1 | | 0.9 | 93 | SOUTH OF FIJI ISLANDS |
| | 24 | 12 | 45 | 59.2* | 34.372 | S | 70.232 | W | 10 G | | | 1.0 | 8 | CHILE-ARGENTINA BORDER REGION |
| | 24 | 13 | 15 | 29.3 | 32.402 | N | 58.890 | E | 33 N | 4.6 | | 0.5 | 12 | IRAN. ML 4.3 (MHI). Felt in the Birjand area. |
| f | 24 | 13 | 15 | 56.4& | 33.010 | N | 115.840 | W | 2 | 6.0 | 6.6 | | 327 | SOUTHERN CALIFORNIA. <PAS-P>. ML 6.1 (PAS), 6.7 (BRK). Multiple event. At least 94 people injured and an estimated 4 million dollars damage in Imperial County. Additional injuries and damage occurred in the Mexicali area, Mexico, with an estimated 3,000 people temporarily homeless. Maximum intensities (VI-VII) at El Centro and Westmorland, (VI) at Brawley, Calexico, Calipatria, Heber, Holtville, Imperial and Seeley. Felt throughout much of southern California from San Diego and Los Angeles to Las Vegas, Nevada and Tempe, Arizona. Also felt at Tijuana and Ensenada, Mexico. Surface fault rupture and afterslip were mapped by California Division of Mines and Geology along a 23 kilometer segment of the Superstition Hills fault. A maximum of 65 centimeters of right-lateral displacement with a few centimeters of vertical displacement was measured. Strong-motion records indicate peak accelerations of 0.21g at Westmorland and 0.36g at El Centro. |
| | 24 | 13 | 32 | 59.8& | 32.990 | N | 115.870 | W | 0 | | | | 19 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 4.2 (PAS). |
| | 24 | 13 | 33 | 55.7& | 33.130 | N | 115.870 | W | 0 | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS). |
| | 24 | 13 | 34 | 39.9& | 32.940 | N | 115.760 | W | 14 | 4.8 | | | 3 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 4.8 (PAS). |
| | 24 | 13 | 46 | 13.4& | 33.010 | N | 115.860 | W | 4 | | | | 11 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS). |
| | 24 | 13 | 46 | 55.5& | 33.020 | N | 115.800 | W | 0 | | | | 3 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). |
| | 24 | 13 | 50 | 32.6& | 32.990 | N | 115.790 | W | 2 | | | | 4 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS). |
| | 24 | 13 | 51 | 22.0& | 32.990 | N | 115.800 | W | 0 | | | | 2 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS). |
| | 24 | 13 | 52 | 17.1& | 33.010 | N | 115.830 | W | 4 | | | | 3 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). |
| | 24 | 13 | 53 | 40.9& | 32.990 | N | 115.840 | W | 0 | | | | 7 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P> ML 3.9 (PAS). |
| | 24 | 14 | 01 | 11.9& | 33.010 | N | 115.800 | W | 5 | | | | 14 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.6 (PAS). |
| | 24 | 14 | 02 | 10.3& | 32.990 | N | 115.820 | W | 5 | | | | 1 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P> ML 3.3 (PAS). |
| | 24 | 14 | 03 | 41.0& | 32.980 | N | 115.770 | W | 4 | | | | 10 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P> ML 3.3 (PAS). |
| | 24 | 14 | 04 | 10.5& | 32.960 | N | 115.770 | W | 0 | | | | 3 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P> ML 3.4 (PAS) |
| | 24 | 14 | 09 | 32.0& | 33.020 | N | 115.890 | W | 3 | | | | 7 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). |
| | 24 | 14 | 17 | 41.6& | 33.000 | N | 115.860 | W | 13 | | | | 3 | SOUTHERN CALIFORNIA <PAS-P> ML 3.1 (PAS). |
| | 24 | 14 | 24 | 39.5& | 32.990 | N | 115.820 | W | 7 | | | | 12 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P> ML 3.5 (PAS) |
| | 24 | 14 | 28 | 39.0& | 33.020 | N | 115.820 | W | 6 | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). |
| | 24 | 14 | 34 | 32.3& | 33.010 | N | 115.850 | W | 2 | | | | 9 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 24 | 14 | 36 | 29.9& | 33.050 | N | 115.810 | W | 0 | | | | 12 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.0 (PAS). |
| | 24 | 14 | 56 | 16.4& | 33.010 | N | 115.860 | W | 2 | | | | 3 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| a | 24 | 15 | 06 | 09.1 | 16.976 | S | 174.026 | W | 143 D | 5.6 | | 0.9 | 222 | TONGA ISLANDS |
| | 24 | 15 | 06 | 57.7& | 33.020 | N | 115.870 | W | 3 | | | | 6 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 24 | 15 | 07 | 53.2& | 33.000 | N | 115.810 | W | 6 | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| | 24 | 15 | 26 | 39.8& | 33.010 | N | 115.820 | W | 2 | | | | 11 | SOUTHERN CALIFORNIA <PAS-P>. ML 3.6 (PAS). |
| | 24 | 15 | 34 | 15.3& | 32.610 | N | 115.570 | W | 16 | | | | 5 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P> ML 3.3 (PAS). |
| | 24 | 15 | 34 | 47.6& | 33.040 | N | 115.810 | W | 3 | | | | 8 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| | 24 | 15 | 47 | 16.5& | 33.000 | N | 115.850 | W | 2 | | | | 8 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 24 | 16 | 27 | 27.7& | 32.910 | N | 115.710 | W | 4 | | | | 3 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS). |
| | 24 | 16 | 29 | 00.2% | 16.514 | N | 61.350 | W | 33 N | | | 0.7 | 5 | LEEWARD ISLANDS. ML 2.9 (FDF). |
| | 24 | 16 | 41 | 16.1& | 32.990 | N | 115.810 | W | 3 | | | | 3 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS). |
| | 24 | 16 | 54 | 37.6& | 32.900 | N | 115.690 | W | 6 | | | | 4 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS). |
| | 24 | 16 | 56 | 52.4& | 32.960 | N | 115.760 | W | 4 | | | | 5 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS). |
| | 24 | 17 | 10 | 57.2* | 32.778 | S | 71.609 | W | 10 G | | | 1.0 | 10 | NEAR COAST OF CENTRAL CHILE |
| | 24 | 17 | 39 | 05.2 | 1.611 | S | 133.951 | E | 33 N | 4.9 | 4.4 | 1.1 | 38 | WEST IRIAN REGION |
| | 24 | 18 | 00 | 50.8% | 39.615 | N | 28.532 | E | 10 G | | | 0.8 | 6 | TURKEY |
| | 24 | 18 | 12 | 50.4% | 32.076 | N | 35.339 | E | 10 G | | | 0.3 | 6 | DEAD SEA REGION |
| | 24 | 18 | 37 | 55.4 | 56.432 | N | 152.982 | W | 33 N | 4.9 | | 1.1 | 56 | KODIAK ISLAND REGION. ML 4.5 (PMR). |
| | 24 | 18 | 40 | 16.8 | 56.278 | N | 153.105 | W | 33 N | 4.7 | | 0.8 | 29 | KODIAK ISLAND REGION. ML 4.2 (PMR). |
| | 24 | 18 | 44 | 09.5* | 56.455 | N | 153.295 | W | 33 N | 4.7 | | 1.1 | 15 | KODIAK ISLAND REGION. ML 4.2 (PMR). |
| | 24 | 18 | 47 | 24.6& | 33.070 | N | 115.930 | W | 3 | | | | 17 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS). |
| | 24 | 18 | 50 | 40.3& | 33.020 | N | 115.880 | W | 0 | | | | 13 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.3 (PAS). |
| | 24 | 18 | 54 | 00.6& | 32.990 | N | 115.770 | W | 6 | | | | 2 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS). |
| | 24 | 19 | 35 | 15.4 | 40.311 | N | 25.555 | E | 10 G | | | 0.7 | 27 | AEGEAN SEA. ML 3.8 (ATH). |
| | 24 | 20 | 23 | 22.4& | 32.840 | N | 115.610 | W | 9 | | | | 2 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS). |
| | 24 | 20 | 41 | 39.4& | 33.710 | N | 116.830 | W | 16 | | | | 7 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 24 | 21 | 25 | 21.2 | B.131 | N | 122.355 | E | 33 N | 4.7 | | 1.3 | 26 | MINDANAO, PHILIPPINE ISLANDS |
| | 24 | 21 | 28 | 12.3& | 32.870 | N | 115.920 | W | 10 | | | | 3 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS). |
| | 24 | 22 | 05 | 01.0& | 32.980 | N | 115.780 | W | 3 | | | | 1 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS). |
| | 24 | 23 | 19 | 20.5 | 21.659 | N | 97.615 | E | 33 N | | | 1.6 | 16 | BURMA |
| | 24 | 23 | 44 | 53.1& | 32.990 | N | 115.790 | W | 2 | | | | 5 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS). |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 25 | 00 11 12.0 | 37.925 | N | 30.972 | E | 9 | | 4.6 | | 0.9 | 25 | TURKEY |
| | 25 | 00 33 49.4& | 33.060 | N | 115.930 | W | 2 | | | | | 3 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 25 | 00 48 55.7& | 33.030 | N | 115.860 | W | 2 | | | | | 5 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 25 | 01 02 16.3& | 32.940 | N | 115.790 | W | 3 | | | | | 4 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS). |
| | 25 | 01 27 29.5* | 21.851 | S | 68.501 | W | 33 | N | | | 1.3 | 7 | CHILE-BOLIVIA BORDER REGION |
| | 25 | 01 33 29.9& | 32.990 | N | 115.810 | W | 2 | | | | | 4 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS). |
| | 25 | 01 46 54.8* | 37.306 | N | 71.996 | E | 180 | ? | 4.9 | | 1.1 | 8 | AFGHANISTAN-USSR BORDER REGION |
| | 25 | 02 08 30.8& | 33.070 | N | 115.930 | W | 2 | | | | | 4 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 25 | 02 09 35.7* | 35.492 | N | 52.704 | E | 33 | N | 4.4 | | 0.9 | 5 | IRAN. ML 4.5 (MHI). Felt in the Birjand area. |
| | 25 | 02 14 59.7& | 33.010 | N | 115.850 | W | 0 | | | | | 6 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). |
| | 25 | 02 23 39.7& | 32.970 | N | 115.800 | W | 3 | | | | | 5 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS). |
| | 25 | 02 47 57.7& | 33.010 | N | 115.870 | W | 3 | | | | | 6 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 25 | 03 03 16.1 | 39.401 | N | 28.217 | E | 9 | | | | 1.1 | 16 | TURKEY |
| | 25 | 03 46 51.7& | 33.010 | N | 115.850 | W | 2 | | | | | 11 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). |
| | 25 | 03 51 36.6 | 44.757 | N | 6.887 | E | 10 | G | | | 0.9 | 8 | FRANCE. ML 2.5 (LDG). |
| | 25 | 04 09 45.9 | 37.895 | N | 30.963 | E | 6 | | | | 0.9 | 12 | TURKEY |
| | 25 | 04 17 33.1& | 33.050 | N | 115.930 | W | 2 | | | | | 6 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). |
| | 25 | 04 18 28.8* | 38.713 | N | 28.946 | E | 10 | G | | | 1.1 | 5 | TURKEY |
| | 25 | 04 25 03.8& | 32.960 | N | 115.800 | W | 4 | | | | | 5 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.0 (PAS). |
| | 25 | 04 30 17.8& | 32.980 | N | 115.820 | W | 0 | | | | | 14 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS). |
| | 25 | 04 37 37.2& | 59.748 | N | 150.692 | W | 27 | | | | | 33 | KENAI PENINSULA, ALASKA. <AGS-P>. ML 3.0 (PMR). |
| | 25 | 04 57 53.4* | 5.027 | S | 151.205 | E | 140 | * | 4.3 | | 0.7 | 11 | NEW BRITAIN REGION |
| | 25 | 05 28 24.4* | 24.331 | S | 70.221 | W | 69 | * | | | 1.5 | 10 | NEAR COAST OF NORTHERN CHILE |
| | 25 | 05 42 20.6& | 32.990 | N | 115.820 | W | 1 | | | | | 8 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS). |
| | 25 | 06 07 03.6& | 32.990 | N | 115.850 | W | 2 | | | | | 11 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.4 (PAS). |
| | 25 | 08 46 17.5& | 33.190 | N | 115.630 | W | 1 | | | | | 3 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 25 | 09 15 38.7 | 23.590 | N | 121.739 | E | 33 | N | 4.7 | | 1.2 | 23 | TAIWAN |
| | 25 | 09 22 42.8% | 41.557 | N | 29.396 | E | 10 | G | | | 1.5 | 5 | TURKEY |
| | 25 | 09 43 07.8& | 37.430 | N | 118.683 | W | 8 | | | | | 18 | CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.1 (BRK). |
| | 25 | 10 37 23.3% | 60.702 | N | 5.120 | E | 0 | G | | | 1.4 | 6 | SOUTHERN NORWAY. MD 1.7 (BER). Proboble explosion. |
| | 25 | 12 47 03.9* | 41.357 | N | 143.979 | E | 42 | * | 4.3 | | 1.0 | 16 | HOKKAIDO, JAPAN REGION |
| | 25 | 13 09 47.4* | 22.396 | N | 99.663 | E | 33 | N | 4.6 | | 1.4 | 13 | BURMA-CHINA BORDER REGION. ML 4.6 (BJI). |
| | 25 | 13 54 09.9& | 32.980 | N | 115.820 | W | 1 | | 4.4 | | | 13 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 4.2 (PAS). |
| | 25 | 13 55 51.1% | 39.572 | N | 29.402 | E | 10 | G | | | 0.8 | 5 | TURKEY |
| | 25 | 14 45 19.9? | 60.71 | N | 5.60 | E | 0 | G | | | 0.4 | 4 | SOUTHERN NORWAY. MD 2.3 (BER). Proboble explosion. |
| | 25 | 15 01 37.9& | 33.030 | N | 115.780 | W | 6 | | | | | 3 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| f | 25 | 16 08 35.6 | 5.601 | S | 149.390 | E | 141 | G | 5.7 | | 1.1 | 175 | NEW BRITAIN REGION. Depth from broodbond displacement seismograms. |
| | 25 | 16 12 14.9% | 45.867 | N | 0.064 | W | 10 | G | | | 0.7 | 6 | FRANCE. ML 2.6 (LDG). |
| | 25 | 16 21 11.4* | 22.708 | S | 68.872 | W | 233 | ? | | | 1.0 | 7 | NORTHERN CHILE |
| | 25 | 17 15 49.5& | 58.523 | N | 143.377 | W | 10 | G | | | | 38 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 25 | 17 24 12.5& | 33.050 | N | 115.820 | W | 6 | | | | | 4 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 25 | 17 27 04.6? | 53.72 | N | 167.90 | W | 33 | N | | | 1.3 | 5 | FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.1 (PMR). |
| | 25 | 17 28 01.0 | 73.658 | N | 118.711 | E | 10 | G | 5.1 | | 0.8 | 76 | NEAR COAST OF CENTRAL SIBERIA |
| | 25 | 17 38 27.4% | 39.427 | N | 28.034 | E | 10 | G | | | 0.9 | 5 | TURKEY |
| | 25 | 17 50 21.3* | 10.106 | S | 150.404 | E | 33 | N | 4.6 | | 1.4 | 6 | EAST PAPUA NEW GUINEA REGION |
| | 25 | 19 20 39.8? | 27.95 | N | 85.88 | E | 33 | N | 4.6 | | 1.3 | 10 | NEPAL |
| o | 25 | 19 58 53.5* | 53.482 | S | 24.583 | E | 10 | G | 4.8 | | 1.3 | 12 | SOUTH OF AFRICA |
| | 25 | 20 42 56.7* | 28.017 | S | 67.162 | W | 33 | N | | | 1.3 | 5 | LA RIOJA PROVINCE, ARGENTINA |
| | 25 | 21 57 07.8? | 13.45 | N | 124.67 | E | 119 | * | 4.0 | | 0.6 | 7 | LUZON, PHILIPPINE ISLANDS |
| | 25 | 22 03 32.0 | 45.759 | N | 26.803 | E | 125 | | | | 0.9 | 26 | ROMANIA |
| | 25 | 22 45 56.5& | 32.990 | N | 115.850 | W | 6 | | | | | 4 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS). |
| | 25 | 22 51 47.3& | 33.020 | N | 115.830 | W | 6 | | | | | 3 | SOUTHERN CALIFORNIA <PAS-P>. ML 3.4 (PAS). |
| | 25 | 22 53 29.9 | 28.231 | N | 56.753 | E | 33 | N | 4.5 | | 1.0 | 27 | SOUTHERN IRAN |
| | 26 | 00 19 31.6& | 33.000 | N | 115.850 | W | 1 | | | | | 13 | SOUTHERN CALIFORNIA <PAS-P> ML 3.7 (PAS). |
| | 26 | 00 22 15.0& | 33.000 | N | 115.850 | W | 2 | | | | | 10 | SOUTHERN CALIFORNIA <PAS-P> ML 3.5 (PAS). |
| | 26 | 00 28 23.5 | 36.137 | N | 29.047 | E | 33 | N | 4.4 | | 0.8 | 16 | TURKEY |
| | 26 | 01 06 05.2% | 16.954 | N | 60.927 | W | 25 | * | | | 0.5 | 8 | LEEWARD ISLANDS. ML 3.7 (EDF) |
| f | 26 | 01 43 14.0 | 8.247 | S | 124.155 | E | 33 | N | 5.8 | 6.5 | 1.3 | 158 | TIMOR Ms 6.3 (BRK), 6.3 (PAS). At leost 37 people killed, 108 injured and 237 buildings damaged on Pontor Island. Londslides also occurred on the island. Mount Sirung started erupting on December 2. |
| | 26 | 01 56 27.5& | 32.990 | N | 115.820 | W | 1 | | | | | 17 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.7 (PAS). |
| | 26 | 02 10 17.5 | 8.352 | S | 124.223 | E | 33 | N | 5.1 | | 1.4 | 42 | TIMOR |
| | 26 | 03 51 35.0? | 9 44 | S | 124.72 | E | 33 | N | 4.2 | | 1.4 | 8 | TIMOR |
| | 26 | 04 30 31.9* | 38.743 | N | 28.992 | E | 10 | G | | | 1.5 | 6 | TURKEY |
| | 26 | 04 49 21.9& | 20.385 | N | 156.234 | W | 40 | | | | | 48 | HAWAII. <HVO-P>. ML 4.0 (HVO) Felt on Maui. |
| | 26 | 04 52 05.5? | 7.32 | S | 128.60 | E | 141 | ? | 4.3 | | 1.0 | 8 | BANDA SEA |
| | 26 | 04 54 03.8? | 16.95 | S | 13.31 | E | 10 | G | 4.4 | | 1.1 | 8 | ANGOLA |
| | 26 | 05 01 39.9& | 61.176 | N | 151.305 | W | 65 | | | | | 21 | SOUTHERN ALASKA. <AGS-P>. |
| | 26 | 07 23 45.6% | 45.940 | N | 7.613 | E | 10 | G | | | 1.1 | 5 | NORTHERN ITALY |
| | 26 | 07 34 43.6& | 58.565 | N | 142.741 | W | 10 | G | | | | 14 | GULF OF ALASKA. <AGS-P> |
| | 26 | 09 28 54.0& | 58.632 | N | 142.749 | W | 10 | G | | | | 20 | GULF OF ALASKA. <AGS-P>. |
| | 26 | 10 01 31.4& | 58.589 | N | 142.763 | W | 10 | G | | | | 20 | GULF OF ALASKA. <AGS-P> |
| | 26 | 10 09 11.9& | 61.066 | N | 150.606 | W | 61 | | | | | 31 | SOUTHERN ALASKA. <AGS-P>. |
| | 26 | 10 28 02.9& | 58.335 | N | 143.582 | W | 10 | G | | | | 16 | GULF OF ALASKA. <AGS-P>. |
| | 26 | 10 53 58.9& | 58.457 | N | 143.779 | W | 10 | G | | | | 9 | GULF OF ALASKA. <AGS-P>. |
| | 26 | 12 10 40.6* | 11.176 | N | 94.627 | E | 81 | ? | 4.2 | | 0.4 | 6 | ANDAMAN ISLANDS REGION |
| | 26 | 13 59 04.7? | 49.65 | N | 153.16 | E | 147 | ? | 4.1 | | 1.4 | 7 | KURIL ISLANDS |
| | 26 | 15 42 20.9* | 4.968 | S | 143.636 | E | 33 | N | 4.1 | | 1.5 | 7 | PAPUA NEW GUINEA |
| | 26 | 15 53 49.5 | 40.428 | N | 29.075 | E | 10 | G | | | 0.4 | 7 | TURKEY |
| | 26 | 16 14 58.4& | 58.540 | N | 142.712 | W | 10 | G | 4.0 | | | 41 | GULF OF ALASKA. <AGS-P>. ML 4.3 (PMR). |
| o | 26 | 17 28 54.7 | 16.351 | S | 168.119 | E | 18 | * | 5.6 | 6.3 | 1.2 | 169 | VANUATU ISLANDS |
| | 26 | 17 39 01.9& | 33.030 | N | 115.890 | W | 2 | | 4.5 | | | 29 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.3 (PAS). |
| | 26 | 17 47 26.8* | 16.587 | S | 167.872 | E | 33 | N | 4.3 | | 1.6 | 18 | VANUATU ISLANDS |
| | 26 | 19 32 07.4* | 2.170 | N | 127.544 | E | 33 | N | 4.4 | | 0.8 | 9 | MOLUCCA PASSAGE |
| | 26 | 20 45 23.6 | 44.854 | N | 11.195 | E | 10 | G | | | 1.2 | 6 | NORTHERN ITALY. ML 2.7 (KBA). |
| | 26 | 21 04 35.8& | 59.989 | N | 152.886 | W | 101 | | | | | 24 | SOUTHERN ALASKA. <AGS-P>. |
| | 26 | 23 00 21.8 | 37.889 | N | 31.080 | E | 19 | | 4.3 | | 1.2 | 50 | TURKEY. ML 4.3 (CSS). |
| | 26 | 23 18 29.7& | 33.040 | N | 115.820 | W | 6 | | | | | 4 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 26 | 23 30 40.1? | 37.92 | N | 31.16 | E | 10 | G | | | 1.6 | 5 | TURKEY |
| o | 27 | 00 02 08.0 | 0.234 | S | 125.064 | E | 33 | N | 5.8 | 5.7 | 1 2 | 252 | MOLUCCA SEA |
| | 27 | 00 25 21.1? | 37.86 | N | 31.11 | E | 10 | G | | | 0.8 | 7 | TURKEY |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 27 | 00 | 51 | 21.9* | 15.258 | N | 94.122 | W | 33 | N | 4.7 | | 0.9 | 27 | NEAR COAST OF OAXACA, MEXICO |
| | 27 | 01 | 10 | 10.5& | 33 000 | N | 115.820 | W | 6 | | 4.1 | | | 33 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.7 (PAS). |
| | 27 | 01 | 37 | 13.5 | 27.879 | N | 139.708 | E | 473 | * | 4.6 | | 1.0 | 32 | BONIN ISLANDS REGION |
| | 27 | 01 | 43 | 33.7* | 0.204 | S | 125.354 | E | 64 | * | 4.6 | | 1.4 | 16 | MOLUCCA SEA |
| | 27 | 03 | 10 | 58.8% | 46.697 | N | 5.836 | E | 10 | G | | | 1.0 | 10 | FRANCE. ML 2.7 (LDG). |
| | 27 | 04 | 18 | 56.5 | 19.819 | S | 178.164 | W | 613 | | 4.8 | | 1.0 | 54 | FIJI ISLANDS REGION |
| a | 27 | 05 | 02 | 42.2 | 18.678 | N | 107.036 | W | 33 | N | 5.0 | 4.7 | 1.1 | 82 | OFF COAST OF JALISCO, MEXICO. Ms 5.0 (BRK). |
| | 27 | 05 | 29 | 36.7* | 21.564 | S | 69.513 | W | 90 | ? | | | 1.2 | 7 | NORTHERN CHILE |
| | 27 | 05 | 44 | 23.5 | 37.992 | N | 31.076 | E | 13 | | | | 1.3 | 18 | TURKEY |
| a | 27 | 06 | 14 | 31.4 | 8.788 | N | 39.812 | W | 10 | G | 5.2 | 4.6 | 1.1 | 142 | CENTRAL MID-ATLANTIC RIDGE |
| | 27 | 06 | 20 | 01.0? | 18.00 | N | 107.12 | W | 33 | N | 4.0 | | 0.8 | 18 | OFF COAST OF JALISCO, MEXICO |
| | 27 | 06 | 38 | 48.0& | 36.222 | N | 120.347 | W | 9 | G | | | | 4 | CENTRAL CALIFORNIA. <BRK>. ML 1.9 (BRK). Foreshock, held to mainshock location. |
| | 27 | 06 | 39 | 23.6& | 36.222 | N | 120.347 | W | 9 | | | | | 11 | CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). |
| | 27 | 07 | 05 | 19.7? | 5.37 | N | 125.17 | E | 33 | N | 4.7 | | 0.2 | 5 | MINDANAO, PHILIPPINE ISLANDS |
| | 27 | 08 | 26 | 43.7 | 32.691 | N | 59.100 | E | 33 | N | 4.7 | | 0.7 | 50 | IRAN. ML 4.4 (MHI). Two hundred forty-three buildings domaged in the Birjond oreo. |
| | 27 | 09 | 22 | 57.6& | 33.000 | N | 115.810 | W | 6 | | | | | 20 | SOUTHERN CALIFORNIA. <PAS-P>. ML 4.1 (PAS). |
| | 27 | 10 | 05 | 49.8& | 33.060 | N | 115.760 | W | 6 | | | | | 8 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 27 | 12 | 23 | 43.6? | 39.50 | N | 29.47 | E | 10 | G | | | 1.6 | 5 | TURKEY |
| | 27 | 12 | 27 | 05.4 | 51.624 | N | 173.476 | W | 33 | N | 5.0 | | 0.9 | 71 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| o | 27 | 13 | 05 | 52.6 | 16.263 | S | 168.132 | E | 33 | | 5.5 | 5.5 | 1.0 | 154 | VANUATU ISLANDS |
| o | 27 | 13 | 11 | 22.6 | 16.307 | S | 168.141 | E | 29 | * | 4.9 | 5.3 | 1.2 | 56 | VANUATU ISLANDS |
| | 27 | 13 | 17 | 33.3& | 61.924 | N | 150.943 | W | 77 | | | | | 25 | SOUTHERN ALASKA. <AGS-P>. |
| | 27 | 13 | 19 | 51.7% | 42.509 | N | 24.060 | E | 10 | G | | | 1.4 | 5 | BULGARIA |
| a | 27 | 13 | 33 | 18.0 | 16.373 | S | 168.117 | E | 29 | | 5.4 | 6.4 | 1.1 | 174 | VANUATU ISLANDS. Ms 6.3 (BRK), 6.2 (PAS). |
| | 27 | 14 | 01 | 35.5 | 16.316 | S | 168.158 | E | 33 | N | 4.8 | | 1.0 | 26 | VANUATU ISLANDS |
| | 27 | 14 | 33 | 09.8 | 17.730 | S | 69.349 | W | 155 | D | 4.8 | | 1.2 | 57 | PERU-BOLIVIA BORDER REGION |
| | 27 | 15 | 15 | 02.7& | 33.010 | N | 115.850 | W | 6 | | | | | 5 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 27 | 15 | 50 | 04.6? | 21.91 | S | 68.03 | W | 148 | ? | | | 0.8 | 5 | CHILE-BOLIVIA BORDER REGION |
| | 27 | 16 | 59 | 25.2& | 60.414 | N | 147.696 | W | 24 | | | | | 32 | SOUTHERN ALASKA. <AGS-P>. |
| | 27 | 17 | 05 | 19.5 | 35.067 | N | 139.734 | E | 51 | | 4.8 | 4.3 | 1.0 | 43 | NEAR S. COAST OF HONSHU, JAPAN. Felt (III JMA) at Tateyama; (II JMA) at Katsuuro and on Oshimo; (I JMA) at Tokyo, Yokohama and Utsunomiyo. |
| | 27 | 17 | 30 | 53.9 | 16.229 | S | 168.129 | E | 25 | * | 4.9 | 4.1 | 1.1 | 42 | VANUATU ISLANDS |
| o | 27 | 17 | 35 | 36.0 | 16.224 | S | 168.166 | E | 30 | * | 5.0 | | 1.4 | 54 | VANUATU ISLANDS |
| | 27 | 18 | 58 | 20.8& | 36.847 | N | 83.086 | W | 13 | | | | | 22 | TENNESSEE. <TEIC>. Foreshock. |
| | 27 | 18 | 58 | 29.5& | 36.848 | N | 83.099 | W | 15 | | | | | 15 | TENNESSEE. <TEIC>. MD 3.5 (TEIC), mbLg 3.5 (BLA). Felt (IV) at Baxter, Bledsoe, Jeff and Putney, Kentucky. Also felt (IV) at Dryden, Jonesville, Pennington Gap and Saint Charles, Virginia. Felt in Clay, Harlan and Perry Counties, Kentucky and in Lee and Wise Counties, Virginia. |
| | 27 | 23 | 02 | 01.9% | 32.105 | N | 35.873 | E | 10 | G | | | 1.4 | 6 | DEAD SEA REGION |
| | 28 | 00 | 21 | 02.3 | 19.158 | N | 64.841 | W | 40 | * | 4.8 | 4.1 | 1.4 | 49 | VIRGIN ISLANDS. ML 4.8 (FDF). |
| | 28 | 00 | 39 | 10.9& | 32.980 | N | 115.810 | W | 1 | | 4.4 | | | 22 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 4.2 (PAS). Felt (IV) at Imperial, Plaster City and Westmorland; (III) at Ocotillo and Seeley. |
| | 28 | 01 | 15 | 51.2? | 40.97 | N | 24.06 | E | 10 | G | | | 1.1 | 4 | AEGEAN SEA |
| f | 28 | 04 | 03 | 45.2 | 0.338 | S | 124.864 | E | 34 | | 5.9 | 5.8 | 1.1 | 207 | MOLUCCA SEA |
| | 28 | 04 | 44 | 01.6* | 16.527 | S | 168.440 | E | 33 | N | 4 2 | | 1.0 | 11 | VANUATU ISLANDS |
| | 28 | 05 | 06 | 26.4* | 17.066 | S | 174.225 | W | 211 | * | 4.4 | | 0.6 | 22 | TONGA ISLANDS |
| | 28 | 05 | 34 | 21.5? | 54.68 | N | 159.46 | E | 33 | N | 4.6 | | 0.6 | 22 | NEAR EAST COAST OF KAMCHATKA |
| | 28 | 05 | 34 | 42.4 | 36.561 | N | 138.226 | E | 5 | G | | | 1.1 | 10 | HONSHU, JAPAN. Felt (III JMA) at Nagano and (I JMA) at Moebashi. |
| | 28 | 06 | 10 | 00.0& | 32.750 | N | 115.840 | W | 6 | | | | | 5 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS). |
| | 28 | 07 | 18 | 01.8* | 0.331 | S | 125.378 | E | 33 | N | 4 0 | | 1.3 | 13 | MOLUCCA SEA |
| | 28 | 08 | 40 | 09.8* | 36 620 | N | 70 951 | E | 219 | * | 4 4 | | 1.1 | 15 | HINDU KUSH REGION |
| | 28 | 08 | 40 | 22.3% | 59.793 | N | 5.859 | E | 10 | G | | | 0.2 | 6 | SOUTHERN NORWAY. MD 2.3 (BER). |
| | 28 | 10 | 18 | 46.5? | 35.92 | N | 45.83 | E | 33 | N | 4.2 | | 1.4 | 5 | IRAN-IRAQ BORDER REGION |
| | 28 | 11 | 56 | 30.6? | 39.56 | N | 25.32 | E | 10 | G | | | 1.1 | 5 | AEGEAN SEA |
| | 28 | 12 | 46 | 26.2? | 59.72 | N | 2 66 | E | 10 | G | | | 0.7 | 8 | NORTH SEA. MD 2.8 (BER). |
| | 28 | 13 | 57 | 14.6 | 39.620 | N | 29.384 | E | 10 | G | | | 0.8 | 7 | TURKEY |
| | 28 | 14 | 00 | 08.4* | 42.172 | N | 145.103 | E | 33 | N | 4.2 | | 0.9 | 9 | HOKKAIDO, JAPAN REGION. Felt (II JMA) at Kushiro. |
| | 28 | 14 | 00 | 23.1? | 6.99 | S | 129 09 | E | 277 | ? | 4.0 | | 0.8 | 6 | BANDA SEA |
| | 28 | 15 | 31 | 16.7 | 53.657 | N | 165.049 | W | 33 | N | 4.9 | | 0.9 | 126 | FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR). |
| | 28 | 17 | 30 | 50.6 | 48.307 | N | 154.597 | E | 33 | N | 4.6 | | 0.5 | 19 | KURIL ISLANDS |
| | 28 | 20 | 25 | 56.6* | 25.607 | N | 95.937 | E | 33 | N | 4.4 | | 0.8 | 6 | BURMA-INDIA BORDER REGION |
| | 28 | 21 | 18 | 44.1& | 62.000 | N | 148.755 | W | 37 | | | | | 45 | SOUTHERN ALASKA. <AGS-P>. ML 3.3 (PMR). Felt (II) at Sutton. |
| | 28 | 22 | 17 | 15.5 | 20.067 | N | 94.768 | E | 74 | * | 4.6 | | 1.0 | 30 | BURMA |
| | 29 | 00 | 11 | 06.6? | 36.59 | N | 26.83 | E | 151 | ? | | | 0.8 | 6 | DODECANESE ISLANDS |
| | 29 | 00 | 31 | 01.0* | 1.334 | S | 99.609 | E | 45 | ? | 4.5 | 5.2 | 0.9 | 12 | SOUTHERN SUMATERA |
| | 29 | 01 | 43 | 11.7& | 40.425 | N | 124.398 | W | 19 | | | | | 6 | NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK). |
| | 29 | 01 | 44 | 06.9* | 6.406 | S | 127.898 | E | 391 | * | | | 0.8 | 10 | BANDA SEA |
| | 29 | 02 | 22 | 21.7 | 43.590 | N | 13.539 | E | 14 | | | | 1.1 | 40 | CENTRAL ITALY. ML 3.6 (LDG). MD 3.5 (TRI), 3.4 (FIR). |
| | 29 | 02 | 27 | 55.6? | 6.74 | S | 129.66 | E | 128 | ? | 4.1 | | 1.2 | 10 | BANDA SEA |
| | 29 | 03 | 01 | 55.4& | 62.685 | N | 151.308 | W | 62 | | | | | 43 | CENTRAL ALASKA. <AGS-P>. |
| | 29 | 03 | 45 | 47.1* | 11.548 | S | 120.730 | E | 33 | N | 3.6 | | 1.4 | 15 | SOUTH OF SUMBA ISLAND |
| | 29 | 03 | 50 | 04.8& | 60.106 | N | 151.972 | W | 74 | | | | | 43 | KENAI PENINSULA, ALASKA. <AGS-P>. |
| | 29 | 04 | 57 | 11.4% | 40.376 | N | 29.017 | E | 10 | G | | | 0.3 | 9 | TURKEY |
| | 29 | 05 | 00 | 49.8* | 39.254 | N | 21.025 | E | 10 | G | | | 0.5 | 5 | GREECE. MD 3.1 (ATH). |
| o | 29 | 07 | 57 | 21.6 | 45.715 | S | 76.512 | W | 22 | D | 5.6 | 5.0 | 1.1 | 63 | OFF COAST OF SOUTHERN CHILE |
| | 29 | 08 | 54 | 52.2% | 37.735 | N | 14.795 | E | 20 | * | | | 1.2 | 10 | SICILY |
| | 29 | 09 | 11 | 30.8% | 37.757 | N | 14.719 | E | 21 | * | | | 0.9 | 15 | SICILY. MD 3.3 (ROM). |
| | 29 | 09 | 51 | 10.4* | 26.345 | N | 129.564 | E | 33 | N | 4.4 | | 1.0 | 12 | RYUKYU ISLANDS |
| | 29 | 11 | 22 | 18.8? | 37.66 | N | 27.07 | E | 10 | G | | | 0.9 | 5 | TURKEY |
| | 29 | 11 | 50 | 37.6? | 6.70 | S | 147.82 | E | 66 | * | 4.5 | | 1.3 | 11 | EAST PAPUA NEW GUINEA REGION |
| | 29 | 12 | 04 | 38.0 | 6.847 | N | 72.961 | W | 175 | | 4.7 | | 0.7 | 26 | NORTHERN COLOMBIA |
| | 29 | 12 | 18 | 03.8& | 61.528 | N | 141.446 | W | 0 | G | | | | 32 | SOUTHERN ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 29 | 13 | 00 | 37.6& | 31.790 | N | 115.860 | W | 6 | G | | | | 6 | BAJA CALIFORNIA. <PAS-P>. ML 4.1 (PAS). |
| | 29 | 13 | 41 | 39.8* | 36.588 | N | 6.284 | W | 10 | G | | | 1.1 | 8 | STRAIT OF GIBRALTAR. MG 2.9 (MDD). Felt (III) at Puerto de Santo Morio, Spain. |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 29 | 14 | 48 | 04.2 | 0.379 | S | 125.266 | E | 68 | * | 4.9 | 1.4 | 46 | MOLUCCA SEA |
| | 29 | 14 | 51 | 59.0 | 10.450 | S | 161.377 | E | 103 | * | 4.5 | 0.9 | 29 | SOLOMON ISLANDS |
| | 29 | 14 | 57 | 35.5& | 62.383 | N | 150.694 | W | 89 | | | | 42 | CENTRAL ALASKA. <AGS-P>. |
| | 29 | 17 | 28 | 59.9 | 19.189 | S | 63.817 | W | 600 | | 4.6 | 0.7 | 29 | SOUTHERN BOLIVIA |
| | 29 | 19 | 49 | 22.5 | 28.440 | S | 80.992 | E | 10 | G | 5.3 3.9 | 0.9 | 69 | SOUTH INDIAN OCEAN |
| | 29 | 20 | 13 | 15.4* | 5.880 | S | 130.687 | E | 184 | ? | 4.2 | 0.8 | 6 | BANDA SEA |
| | 29 | 21 | 06 | 12.2? | 1.50 | N | 126.72 | E | 116 | ? | 4.3 | 1.0 | 9 | MOLUCCA PASSAGE |
| | 29 | 22 | 05 | 47.5? | 37.90 | N | 26.93 | E | 10 | G | | 0.7 | 7 | DODECANESE ISLANDS |
| | 29 | 23 | 16 | 31.0? | 19.43 | N | 64.75 | W | 33 | N | | 0.5 | 6 | VIRGIN ISLANDS |
| | 30 | 00 | 26 | 43.4 | 10.338 | S | 161.194 | E | 82 | D | 4.6 | 0.7 | 36 | SOLOMON ISLANDS |
| a | 30 | 01 | 19 | 31.4* | 19.648 | S | 175.944 | E | 33 | N | 4.9 | 1.5 | 47 | SOUTH OF FIJI ISLANDS |
| | 30 | 01 | 27 | 20.6* | 16.247 | S | 173.148 | W | 33 | N | 4.5 | 0.9 | 30 | TONGA ISLANDS |
| a | 30 | 01 | 28 | 19.8* | 16.290 | S | 173.042 | W | 33 | N | 4.9 | 0.7 | 38 | TONGA ISLANDS |
| | 30 | 01 | 29 | 20.3? | 16.57 | S | 172.83 | W | 33 | N | 4.8 | 1.0 | 20 | SAMOA ISLANDS REGION |
| | 30 | 01 | 34 | 45.5* | 37.138 | N | 69.753 | E | 57 | ? | 4.6 | 1.1 | 14 | AFGHANISTAN-USSR BORDER REGION. Felt (IV) at Parkhar; (III) at Kulyab and Dushanbe, USSR. |
| | 30 | 02 | 37 | 10.3& | 37.567 | N | 121.663 | W | 2 | | | | 10 | CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). |
| | 30 | 02 | 53 | 35.0* | 46.328 | N | 10.694 | E | 10 | G | | 1.2 | 6 | NORTHERN ITALY. ML 2.1 (KBA). |
| | 30 | 03 | 12 | 37.0 | 30.990 | N | 51.170 | E | 38 | | 4.8 3.8 | 1.1 | 114 | IRAN |
| | 30 | 03 | 21 | 55.5 | 16.134 | N | 48.644 | W | 10 | G | 4.9 | 1.0 | 37 | NORTH ATLANTIC OCEAN |
| | 30 | 03 | 58 | 19.4? | 18.98 | N | 66.19 | W | 33 | N | | 1.2 | 5 | PUERTO RICO REGION |
| | 30 | 04 | 05 | 21.4 | 45.141 | N | 7.420 | E | 12 | | | 0.5 | 9 | NORTHERN ITALY. ML 2.6 (LDG). |
| | 30 | 04 | 19 | 25.9 | 39.265 | N | 22.758 | E | 35 | | 4.2 | 1.0 | 59 | GREECE. ML 3.9 (ATH). Felt at Volos. |
| a | 30 | 04 | 41 | 41.3 | 0.097 | S | 124.993 | E | 58 | D | 5.4 | 1.3 | 113 | MOLUCCA SEA |
| | 30 | 05 | 01 | 08.0 | 37.926 | N | 30.961 | E | 10 | G | | 0.8 | 10 | TURKEY |
| | 30 | 05 | 59 | 19.8% | 40.414 | N | 28.410 | E | 10 | G | | 0.4 | 5 | TURKEY |
| | 30 | 06 | 47 | 35.4* | 24.957 | N | 122.023 | E | 33 | N | 4.4 | 0.9 | 6 | TAIWAN REGION |
| | 30 | 07 | 07 | 38.0? | 6.41 | S | 147.91 | E | 63 | * | 3.4 | 0.3 | 6 | EAST PAPUA NEW GUINEA REGION |
| | 30 | 07 | 41 | 54.1? | 54.04 | N | 158.77 | E | 33 | N | 4.5 | 0.8 | 6 | KAMCHATKA |
| | 30 | 13 | 16 | 40.5% | 39.659 | N | 29.399 | E | 10 | G | | 0.5 | 5 | TURKEY |
| | 30 | 14 | 11 | 41.3& | 40.402 | N | 124.390 | W | 23 | | | | 4 | NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.0 (BRK). |
| | 30 | 15 | 21 | 20.0% | 39.641 | N | 29.383 | E | 10 | G | | 1.0 | 5 | TURKEY |
| | 30 | 15 | 47 | 29.9 | 63.489 | N | 149.577 | W | 129 | ? | | 0.5 | 8 | CENTRAL ALASKA |
| | 30 | 15 | 49 | 03.8& | 37.542 | N | 121.672 | W | 6 | | | | 13 | CENTRAL CALIFORNIA. <BRK>. ML 3.3 (BRK). |
| | 30 | 15 | 50 | 04.9* | 37.947 | N | 21.945 | E | 33 | N | 3.8 | 1.3 | 6 | SOUTHERN GREECE. ML 3.5 (ATH). |
| | 30 | 17 | 59 | 47.2& | 58.609 | N | 142.794 | W | 10 | G | | | 40 | GULF OF ALASKA. <AGS-P>. ML 4.4 (PMR). |
| | 30 | 18 | 25 | 39.8& | 58.458 | N | 142.728 | W | 10 | G | | | 23 | GULF OF ALASKA. <AGS-P>. |
| | 30 | 18 | 41 | 11.3* | 1.716 | N | 126.887 | E | 33 | N | 4.7 | 1.4 | 10 | MOLUCCA PASSAGE |
| | 30 | 19 | 08 | 26.8 | 10.595 | S | 165.134 | E | 36 | D | 5.3 | 1.0 | 89 | SANTA CRUZ ISLANDS |
| | 30 | 19 | 23 | 15.5& | 58.679 | N | 142.786 | W | 10 | G | 4.5 | | 75 | GULF OF ALASKA. <AGS-P>. Foreshock. |
| f | 30 | 19 | 23 | 19.5& | 58.679 | N | 142.786 | W | 10 | G | 6.7 7.6 | | 584 | GULF OF ALASKA. <SPEC>. Ms 7.7 (BRK), 7.4 (PAS). ML 7.1 (PMR). Mo=1.2*10**20 Nm (BRK). Held to foreshock location. Damage (VI) at Yakutat from earthquake and tsunami. Felt (V) at Anchorage, Copper Center, Gakona, Haines, Homer, Juneau, Levelock, Petersburg, Seward and Skwentna. Also felt (V) in sections of Whitehorse, Yukon Territory, Canada. Felt (IV) throughout southern Alaska from the Ketchikan area to Glennallen and Kodiak Island and (III) as far away as Bethel and Fairbanks. Also felt at Sand Point and (II) at Anaktuvuk Pass. Some damage caused to 2 ships at sea in the epicentral area; felt strongly on 3 other ships in the area. Tsunami generated with wave heights (peak to trough) 85 cm. at Yakutat and 25 cm. at Sitka, Alaska; 15 cm. at Hilo, 12 cm. Nawiliwili and 5 cm. at Honolulu, Hawaii; and 5 cm at Presidio, California. Complex event, with major subevent occurring about 15 seconds after onset of the foreshock, observed on broadband displacement seismograms. |
| | 30 | 19 | 38 | 10.1& | 58.771 | N | 142.753 | W | 10 | G | | | 18 | GULF OF ALASKA. <AGS-P>. |
| | 30 | 19 | 48 | 26.0& | 58.239 | N | 142.742 | W | 10 | G | 5.9 | | 210 | GULF OF ALASKA. <AGS-P>. ML 5.6 (PMR). Felt at Juneau. |
| | 30 | 19 | 55 | 08.0& | 58.779 | N | 142.788 | W | 10 | G | | | 14 | GULF OF ALASKA. <AGS-P>. |
| | 30 | 20 | 02 | 05.2& | 58.368 | N | 142.747 | W | 10 | G | | | 18 | GULF OF ALASKA. <AGS-P>. |
| | 30 | 20 | 02 | 47.6& | 58.739 | N | 142.922 | W | 10 | G | | | 21 | GULF OF ALASKA. <AGS-P>. |
| | 30 | 20 | 05 | 00.3& | 58.069 | N | 142.784 | W | 10 | G | | | 26 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 30 | 20 | 06 | 14.7& | 58.851 | N | 142.953 | W | 10 | G | | | 22 | GULF OF ALASKA. <AGS-P>. |
| | 30 | 20 | 13 | 39.6& | 58.132 | N | 142.556 | W | 10 | G | | | 23 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 30 | 20 | 15 | 20.3& | 58.866 | N | 142.899 | W | 10 | G | 4.9 | | 48 | GULF OF ALASKA. <AGS-P>. ML 4.7 (PMR). |
| | 30 | 20 | 30 | 09.8& | 58.114 | N | 143.269 | W | 10 | G | | | 20 | GULF OF ALASKA. <AGS-P>. |
| | 30 | 20 | 34 | 05.0& | 58.186 | N | 143.051 | W | 10 | G | | | 29 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 30 | 20 | 36 | 45.0& | 58.626 | N | 142.974 | W | 10 | G | | | 28 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 30 | 20 | 41 | 11.3& | 58.132 | N | 142.645 | W | 10 | G | 4.8 | | 61 | GULF OF ALASKA. <AGS-P>. ML 4.6 (PMR). |
| | 30 | 20 | 45 | 11.8& | 58.726 | N | 142.721 | W | 10 | G | | | 14 | GULF OF ALASKA. <AGS-P>. |
| | 30 | 20 | 49 | 32.4& | 58.197 | N | 142.890 | W | 10 | G | | | 20 | GULF OF ALASKA. <AGS-P>. |
| | 30 | 20 | 50 | 07.1& | 58.690 | N | 142.735 | W | 10 | G | | | 32 | GULF OF ALASKA. <AGS-P>. ML 4.6 (PMR). |
| | 30 | 20 | 54 | 33.5& | 58.773 | N | 142.807 | W | 10 | G | 4.5 | | 42 | GULF OF ALASKA. <AGS-P>. ML 4.5 (PMR). |
| | 30 | 21 | 02 | 19.5& | 58.622 | N | 142.622 | W | 10 | G | | | 26 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 30 | 21 | 10 | 40.9* | 39.153 | N | 17.436 | E | 10 | G | | 0.5 | 5 | SOUTHERN ITALY |
| | 30 | 21 | 24 | 57.6& | 58.435 | N | 142.701 | W | 10 | G | | | 29 | GULF OF ALASKA. <AGS-P>. ML 4.3 (PMR). |
| | 30 | 21 | 26 | 55.7& | 58.076 | N | 143.175 | W | 10 | G | | | 33 | GULF OF ALASKA. <AGS-P>. ML 3.8 (PMR). |
| | 30 | 21 | 28 | 41.6* | 38.256 | N | 30.837 | E | 10 | G | | 1.3 | 10 | TURKEY |
| | 30 | 21 | 35 | 08.9& | 57.884 | N | 142.737 | W | 10 | G | | | 18 | GULF OF ALASKA. <AGS-P>. |
| | 30 | 21 | 38 | 18.4& | 58.548 | N | 142.744 | W | 10 | G | | | 33 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 30 | 21 | 40 | 49.1& | 58.087 | N | 142.938 | W | 10 | G | 4.0 | | 29 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 30 | 21 | 46 | 46.4& | 58.548 | N | 142.736 | W | 10 | G | 3.9 | | 35 | GULF OF ALASKA. <AGS-P>. ML 4.3 (PMR). |
| | 30 | 21 | 50 | 34.2& | 58.128 | N | 143.128 | W | 10 | G | | | 31 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 30 | 21 | 55 | 31.5& | 58.140 | N | 142.602 | W | 10 | G | | | 30 | GULF OF ALASKA. <AGS-P>. ML 3.8 (PMR). |
| | 30 | 21 | 57 | 48.5& | 58.189 | N | 142.660 | W | 10 | G | 4.0 | | 41 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 30 | 22 | 13 | 38.4& | 59.802 | N | 152.646 | W | 76 | | | | 28 | SOUTHERN ALASKA. <AGS-P>. |
| | 30 | 22 | 14 | 45.9? | 58.71 | N | 142.75 | W | 10 | G | | 1.2 | 7 | GULF OF ALASKA. ML 3.3 (PMR). |
| | 30 | 22 | 21 | 30.4& | 58.567 | N | 142.572 | W | 10 | G | | | 30 | GULF OF ALASKA. <AGS-P>. ML 3.5 (PMR). |
| | 30 | 22 | 34 | 42.5& | 57.907 | N | 142.703 | W | 10 | G | | | 25 | GULF OF ALASKA. <AGS-P>. ML 3.8 (PMR). |
| | 30 | 22 | 36 | 32.3& | 58.241 | N | 142.794 | W | 10 | G | | | 28 | GULF OF ALASKA. <AGS-P>. |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 30 | 22 37 51.5& | 57.825 N | 142.972 W | 10 G | 4.3 | | 36 | GULF OF ALASKA. | <AGS-P>. ML 4.0 (PMR). |
| 30 | 22 43 58.9& | 58.280 N | 142.753 W | 10 G | | | 32 | GULF OF ALASKA. | <AGS-P>. ML 3.7 (PMR). |
| 30 | 22 48 05.9& | 58.500 N | 142.621 W | 10 G | 4.3 | | 37 | GULF OF ALASKA. | <AGS-P>. ML 3.8 (PMR). |
| 30 | 22 50 43.9& | 58.404 N | 142.862 W | 10 G | | | 30 | GULF OF ALASKA. | <AGS-P>. ML 4.0 (PMR). |
| 30 | 22 53 34.2& | 58.427 N | 142.682 W | 10 G | | | 24 | GULF OF ALASKA. | <AGS-P>. |
| 30 | 23 26 16.7& | 58.590 N | 142.736 W | 10 G | 4.2 | | 41 | GULF OF ALASKA. | <AGS-P>. ML 4.5 (PMR). |
| 30 | 23 34 36.7* | 58.651 N | 143.018 W | 10 G | | 0.4 | 8 | GULF OF ALASKA. | ML 3.7 (PMR). |
| 30 | 23 40 55.3& | 58.086 N | 142.983 W | 10 G | | | 35 | GULF OF ALASKA. | <AGS-P>. ML 3.6 (PMR). |
| 30 | 23 48 19.0& | 58.124 N | 142.911 W | 10 G | 4.9 5.3 | | 124 | GULF OF ALASKA. | <AGS-P>. ML 5.0 (PMR). |
| 30 | 23 50 17.4& | 58.321 N | 142.236 W | 10 G | | | 10 | GULF OF ALASKA. | <AGS-P>. |

## A D D I T I O N A L  S O U R C E  P A R A M E T E R S

01 08 42 06.53 28.674S 177.553W 60km
6.1mb ( 54 obs.)
KERMADEC ISLANDS REGION
FAULT PLANE SOLUTION: P-Woves
NP1:Strike= 15 Dip=63 Slip= 90
NP2: 195 27 90
Principol Axes:
T Plg=72 Azm=285
P 18 105
Comment: The focol mechanism is poorly controlled ond corresponds to reverse foulting. The preferred foult plone is NP2.
RADIATED ENERGY
No. of sto: 5 Focal mech. M
Energy 6.0±3.2*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 41 No. of sto: 14
Principol Axes:
Scole 10**18 Nm
T Vol= 2.50 Plg=78 Azm=267
N -0.49 5 18
P -2.02 12 109
Best Double Couple:Mo=2.3*10**18
NP1:Strike=205 Dip=34 Slip= 98
NP2: 15 57 85
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 16S, 42C M.W.: 14S, 27C
Centroid Location:
Origin Time 08:42:15.2 0.2
Lat 28.59S 0.02 Lon 177.41W 0.01
Dep 51.8 0.9 Holf-durotion 5.3
Principol Axes:
Scole 10**18 Nm
T Vol= 2.17 Plg=76 Azm=279
N 0.28 0 11
P -2.45 14 101
Best Double Couple:Mo=2.3*10**18
NP1:Strike=192 Dip=31 Slip= 91
NP2: 10 59 89

01 19 03 05.38 55.504S 27.846W 30km
5.3mb ( 14 obs.) 5.1Msz ( 4 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B. 14S, 31C
Centroid Locotion:
Origin Time 19:03: 8.9 0.3
Lot 55.98S 0.04 Lon 27.95W 0.10
Dep 15.0 FIX Holf-duration 2.0
Principol Axes:
Scole 10**17 Nm
T Vol= 1.51 Plg=12 Azm=308
N 0.38 53 201
P -1.89 34 46
Best Double Couple:Mo=1.7*10**17
NP1:Strike= 82 Dip=57 Slip= -17
NP2: 181 76 -146

01 23 06 40.25 16.400S 177.527W 33km
5.5mb ( 15 obs.) 5.7Msz ( 13 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 20S, 46C
Centroid Location:
Origin Time 23:06:40.7 0.4
Lot 16.40S 0.04 Lon 177.32W 0.03
Dep 23.8 2.8 Holf-durotion 3.5
Principal Axes:
Scole 10**17 Nm
T Vol= 8.73 Plg=12 Azm=100
N 0.32 75 317
P -9.05 8 192
Best Double Couple:Mo=8.9*10**17
NP1:Strike=236 Dip=76 Slip= 2
NP2: 146 88 166

03 08 15 00.38 17.204S 173.757W 88km
6.1mb ( 59 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Woves
NP1:Strike= 3 Dip=70 Slip= 90
NP2: 183 20 90
Principol Axes:
T Plg=65 Azm=273
P 25 93
Comment: The focol mechanism is poorly controlled ond corresponds to reverse foulting. The preferred foult plone is NP2.
RADIATED ENERGY
No. of sto: 7 Focol mech M
Energy 9.9±3.0*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 105 No. of sto 11
Principol Axes:
Scole 10**18 Nm
T Vol= 2.37 Plg=67 Azm=286
N -0.05 4 186
P -2.31 22 94
Best Double Couple:Mo=2.3*10**18
NP1:Strike=175 Dip=23 Slip= 79
NP2: 8 67 95
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 18S, 47C
Centroid Locotion:
Origin Time 08:15: 9.5 0.2
Lot 17.06S 0.02 Lon 173.55W 0.02
Dep 107.3 1.2 Holf-duration 4.8
Principol Axes:
Scole 10**18 Nm
T Vol= 2.47 Plg=50 Azm=293
N -0.12 13 187
P -2.36 37 87
Best Double Couple:Mo=2.4*10**18
NP1:Strike=124 Dip=15 Slip= 27
NP2: 8 83 103

03 23 09 32.19 8.757S 160 376E 88km
5.3mb ( 22 obs.)
SOLOMON ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 12S, 21C
Centroid Locotion.
Origin Time 23:09:32.6 1.2
Lot 8.35S 0.08 Lon 160.73E 0.10
Dep 84.8 4.0 Holf-durotion 1.6
Principol Axes:
Scole 10**16 Nm
T Vol= 7.09 Plg=67 Azm= 6
N 1.06 19 222
P -8.15 13 127
Best Double Couple:Mo=7.6*10**16
NP1:Strike=193 Dip=37 Slip= 56
NP2: 53 60 112

05 19 01 22.01 5.448S 151.743E 53km
5.5mb ( 20 obs.) 5.3Msz ( 2 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 15S, 34C
Centroid Locotion:
Origin Time 19 01:21.0 1.1
Lot 5.58S 0 07 Lon 152.40E 0.08
Dep 25.6 BDY Holf-durotion 2.5
Principol Axes
Scole 10**17 Nm
T Vol= 3.74 Plg=58 Azm=351
N 0.19 5 254
P -3.93 32 160
Best Double Couple:Mo=3.8*10**17
NP1:Strike=233 Dip=14 Slip= 69
NP2: 75 77 95

06 18 47 35.08 22.801S 63.583W 538km
5.8mb ( 79 obs.)
SALTA PROVINCE, ARGENTINA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=163 Dip=84 Slip=-136
NP2: 67 46 -8
Principal Axes:
T Plg=24 Azm=287
P 34 35
Comment: The focal mechanism is moderotely well controlled and corresponds to strike-slip foulting with o large normal component. The preferred foult plone is not determined.
RADIATED ENERGY
No. of sto: 3 Focol mech. M
Energy 3.4±1.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 534 No. of sto: 6
Principol Axes:
Scole 10**18 Nm
T Vol= 1.15 Plg=27 Azm=287
N -0.30 44 167
P -0.85 33 37
Best Double Couple:Mo=1.0*10**18
NP1:Strike= 70 Dip=44 Slip= -5
NP2: 164 86 -134
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 17S, 45C
Centroid Locotion:
Origin Time 18:47:39.9 0.2
Lot 22.81S 0.02 Lon 63.49W 0.03
Dep 541.0 1.3 Holf-duration 3.4
Principol Axes
Scole 10**17 Nm
T Vol= 8 19 Plg=42 Azm=263
N 1.18 5 169
P -9 38 48 73
Best Double Couple:Mo=8.8*10**17
NP1 Strike= 48 Dip= 6 Slip= -31
NP2: 168 87 -95

06 22 27 12.98 43.41BN 146.264E 62km
5 2mb ( 64 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Doto Used: GDSN
L.P.B.: 13S, 27C
Centroid Locotion:
Origin Time 22:27:14.4 0.5
Lot 43.26N 0.04 Lon 146.78E 0.06
Dep 62 4 3.2 Holf-duration 1.9
Principol Axes:
Scole 10**17 Nm
T Vol= 1.39 Plg=61 Azm=230
N 0.10 26 19
P -1.49 13 116
Best Double Couple:Mo=1.4*10**17
NP1:Strike=235 Dip=39 Slip= 133
NP2: 5 63 61

07 16 23 55.90 5.634N 126.614E 80km
6.2mb (102 obs.)
MINDANAO, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=272 Dip=57 Slip= 120
NP2: 45 43 52
Principol Axes:
T Plg=64 Azm=236
P 7 341
Comment: The focol mechonism is moderotely well controlled ond corresponds to reverse

faulting with a large strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 1.9±0.5*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 75 No. of sta: 11
Principal Axes:
Scale 10**18 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.96 | 69 | 228 |
| N | 0.01 | 18 | 80 |
| P | -1.97 | 10 | 347 |

Best Double Couple:Mo=2.0*10**18
NP1:Strike= 56 Dip=38 Slip= 60
NP2: 272 58 111
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 46C M.W.: 10S, 18C
Centroid Location:
Origin Time 16:23:57.2 0.1
Lat 5.90N 0.01 Lon 127.04E 0.02
Dep 72.6 1.0 Half-duration 4.1
Principal Axes:
Scale 10**18 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.73 | 66 | 222 |
| N | -0.40 | 21 | 75 |
| P | -1.33 | 12 | 340 |

Best Double Couple:Mo=1.5*10**18
NP1:Strike= 45 Dip=38 Slip= 55
NP2: 267 60 114

08 04 38 57.93 28.750S 177.393W 72km
5.0mb ( 9 obs.)
KERMADEC ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 16C
Centroid Location:
Origin Time 04:38:57.8 1.2
Lat 28.62S 0.15 Lon 177.25W 0.12
Dep 44.010.7 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 3.28 | 65 | 298 |
| N | -0.01 | 9 | 189 |
| P | -3.27 | 23 | 95 |

Best Double Couple:Mo=3.3*10**16
NP1:Strike=167 Dip=23 Slip= 67
NP2: 12 69 100

08 06 06 04 72 18.353S 167.873E 23km
5.3mb ( 18 obs )
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used GDSN
L P.B 15S, 26C
Centroid Location
Origin Time 06:06 11 1 0 5
Lat 18.34S 0 06 Lon 167 70E 0 06
Dep 18.5 2.4 Half-duration 1 8
Principal Axes
Scale 10**17 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1 31 | 15 | 251 |
| N | 0.12 | 9 | 158 |
| P | -1.43 | 72 | 37 |

Best Double Couple:Mo=1.4*10**17
NP1:Strike=354 Dip=31 Slip= -71
NP2: 153 61 -101

08 14 38 44.02 2.325S 140.162E 30km
5.6mb ( 25 obs.) 5.4Msz ( 3 obs )
NEAR N. COAST OF WEST IRIAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 14:38:48.4 0.3
Lat 2.10S 0.03 Lon 140.07E 0.04
Dep 40.7 3.7 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 2.40 | 36 | 194 |
| N | -0.46 | 47 | 52 |
| P | -1.94 | 20 | 299 |

Best Double Couple:Mo=2.2*10**17
NP1:Strike=342 Dip=49 Slip= 13
NP2: 243 80 138

09 01 43 07.10 63.778S 172.467E 10km
5.4mb ( 7 obs ) 5.1Msz ( 3 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 01:43:13.1 0.4
Lat 63.68S 0.05 Lon 172.17E 0.13
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.68 | 3 | 197 |
| N | -0.52 | 71 | 97 |
| P | -1.16 | 19 | 288 |

Best Double Couple:Mo=1.4*10**17
NP1:Strike=331 Dip=75 Slip= -11
NP2: 64 79 -164

09 17 46 18.81 22.123S 69.573W 44km
5.4mb ( 39 obs.) 4.8Msz ( 1 obs.)
NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 17:46:26.2 0.7
Lat 21.96S 0.08 Lon 69.88W 0.08
Dep 70.4 4.9 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 10.40 | 4 | 130 |
| N | 1.69 | 50 | 35 |
| P | -12.10 | 40 | 223 |

Best Double Couple:Mo=1.1*10**17
NP1:Strike=259 Dip=60 Slip= -28
NP2: 4 66 -147

11 15 04 52.13 6.797N 76.342W 30km
5 4mb ( 65 obs.) 5.1Msz ( 4 obs.)
NORTHERN COLOMBIA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 25C
Centroid Location:
Origin Time 15:04:55.6 0.8
Lat 6.89N 0.08 Lon 76.14W 0.12
Dep 29.9 7.0 Half-duration 1.6
Principal Axes:
Scale 10**17 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.21 | 49 | 105 |
| N | 0.14 | 11 | 209 |
| P | -1.35 | 38 | 308 |

Best Double Couple:Mo=1.3*10**17
NP1:Strike= 92 Dip=13 Slip= 154
NP2: 207 84 79

12 00 24 40.01 17.209S 177.306W 393km
5.5mb ( 52 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 13S, 32C
Centroid Location:
Origin Time 00:24:45.9 0.3
Lat 17.06S 0.03 Lon 177.31W 0.03
Dep 402.6 1.3 Half-duration 3.0
Principal Axes:
Scale 10**17 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 5.60 | 17 | 215 |
| N | 0.83 | 12 | 308 |
| P | -6.43 | 69 | 71 |

Best Double Couple:Mo=6.0*10**17
NP1:Strike=287 Dip=30 Slip=-114
NP2: 134 63 -77

12 00 59 55.97 49.678S 163.904E 10km
5.5mb ( 12 obs.) 5.0Msz ( 1 obs.)
AUCKLAND ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centroid Location:
Origin Time 01:00: 2.2 0.6
Lat 49.65S 0.13 Lon 163.35E 0.09
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.28 | 19 | 348 |
| N | 0.30 | 70 | 179 |
| P | -1.58 | 4 | 79 |

Best Double Couple:Mo=1.4*10**17
NP1:Strike=125 Dip=74 Slip= 11
NP2: 32 79 163

14 15 48 29.96 58.961N 135.241W 5km
5.3mb ( 47 obs.) 4.5Msz ( 1 obs.)
SOUTHEASTERN ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 18C
Centroid Location:
Origin Time 15:48:39.2 1.2
Lat 59.29N 0.15 Lon 135.99W 0.25
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 3.67 | 65 | 113 |
| N | 0.27 | 10 | 359 |
| P | -3.94 | 22 | 265 |

Best Double Couple:Mo=3.8*10**16
NP1:Strike=335 Dip=25 Slip= 64
NP2: 183 68 101

14 21 20 43.07 0.188S 125.140E 60km
5.5mb ( 32 obs.)
MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 32C
Centroid Location:
Origin Time 21:20:46.3 0.3
Lat 0.04N 0.03 Lon 125.93E 0.04
Dep 20.4 2.6 Half-duration 3.1
Principal Axes:
Scale 10**17 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 6.40 | 64 | 271 |
| N | -1.22 | 11 | 24 |
| P | -5.18 | 23 | 119 |

Best Double Couple:Mo=5.8*10**17
NP1:Strike=230 Dip=24 Slip= 118
NP2: 20 69 78

14 22 16 07.78 19.748N 109.018W 33km
5.4mb ( 24 obs.) 5.5Msz ( 1 obs.)
REVILLA GIGEDO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C
Centroid Location:
Origin Time 22:16: 9.4 0.5
Lat 19.19N 0.04 Lon 108.93W 0.04
Dep 15.0 FIX Half-duration 3.4
Principal Axes:
Scale 10**17 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 8.66 | 0 | 264 |
| N | -0.68 | 90 | 180 |
| P | -7.98 | 0 | 174 |

Best Double Couple:Mo=8.3*10**17
NP1:Strike=309 Dip=90 Slip= 180
NP2: 39 90 0

14 22 23 00.09 19.632N 108.960W 33km
5.4mb ( 29 obs.) 6.0Msz ( 8 obs.)
REVILLA GIGEDO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 35C
Centroid Location:
Origin Time 22:23: 2.5 0.5
Lat 19.51N 0.04 Lon 108.88W 0.05
Dep 15.0 FIX Half-duration 5.1
Principal Axes:
Scale 10**18 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 2.22 | 0 | 256 |
| N | 0.06 | 90 | 180 |
| P | -2.28 | 0 | 166 |

Best Double Couple:Mo=2.3*10**18
NP1:Strike=301 Dip=90 Slip= 180
NP2: 31 90 0

15 22 00 49.62 9.434S 75.663W 33km
5.4mb ( 48 obs.) 4.4Msz ( 1 obs.)
PERU
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 14C
Centroid Location:
Origin Time 22:00:54.8 1.0
Lat 9.91S 0.09 Lon 76.09W 0.14
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm

| | T Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.26 | 55 | 262 |
| N | 0.17 | 6 | 1 |
| P | -1.44 | 34 | 95 |

Best Double Couple:Mo=1.4*10**17
NP1:Strike=210 Dip=12 Slip= 120
NP2: 0 80 84

16 05 59 50.17 6.832N 126.225E 67km
5.5mb ( 33 obs.)
MINDANAO, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 27C
Centroid Location:
Origin Time 05:59:53.4 0.4
Lat 6.82N 0.06 Lon 126.99E 0.08
Dep 22.0 3.6 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm

| | | | |
|---|---|---|---|
| T | Val= 2.94 | Plg=61 | Azm=224 |
| N | 0.52 | 20 | 356 |
| P | -3.46 | 19 | 94 |

Best Double Couple:Mo=3.2*10**17
NP1:Strike=214 Dip=31 Slip= 132
NP2: 347 67 68

16 11 44 23.25 49.320S 30.433E 10km
5.5mb ( 24 obs.) 4.3Msz ( 1 obs.)
SOUTH OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 32C
Centroid Location:
Origin Time 11:44:26.5 0.4
Lat 49.32S 0.04 Lon 30.74E 0.15
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

| | | | |
|---|---|---|---|
| T | Val= 1.64 | Plg= 5 | Azm=344 |
| N | -0.62 | 37 | 77 |
| P | -1.02 | 52 | 247 |

Best Double Couple:Mo=1.3*10**17
NP1:Strike= 40 Dip=52 Slip=-141
NP2: 283 60 -46

17 03 40 08.97 12.534N 87.030W 76km
5.8mb ( 74 obs.)
NEAR COAST OF NICARAGUA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=130 Dip=75 Slip= 96
NP2: 288 16 69
Principal Axes:

| | | | |
|---|---|---|---|
| T | | Plg=60 | Azm= 48 |
| P | | 30 | 215 |

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting with a small right-lateral strike-slip component. The preferred fault plane is NP2.
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 17S, 47C M.W.: 11S, 23C
Centroid Location:
Origin Time 03:40:14.9 0.2
Lat 12.17N 0.02 Lon 87.32W 0.02
Dep 56.0 1.2 Half-duration 6.6
Principal Axes:
Scale 10**18 Nm

| | | | |
|---|---|---|---|
| T | Val= 5.52 | Plg=57 | Azm= 49 |
| N | 0.61 | 11 | 302 |
| P | -6.13 | 31 | 205 |

Best Double Couple:Mo=5.8*10**18
NP1:Strike=264 Dip=17 Slip= 51
NP2: 124 77 101

17 08 46 53.32 58.586N 143.270W 10km
6.6mb ( 76 obs.) 6.9Msz ( 19 obs.)
GULF OF ALASKA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=184 Dip=88 Slip= 173
NP2: 274 83 2
Principal Axes:

| | | | |
|---|---|---|---|
| T | | Plg= 6 | Azm=139 |
| P | | 4 | 229 |

Comment: The focal mechanism is well controlled and corresponds to strike-slip faulting with a small reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sto: 9 Focal mech. F
Energy 2.6±1.0*10**16 Nm
MOMENT TENSOR SOLUTION
Dep 18 No. of sto: 10
Principal Axes:
Scale 10**19 Nm

| | | | |
|---|---|---|---|
| T | Val= 6.70 | Plg= 5 | Azm=318 |
| N | -0.82 | 82 | 85 |
| P | -5.89 | 6 | 227 |

Best Double Couple:Mo=6.3*10**19
NP1:Strike= 3 Dip=82 Slip=-179
NP2: 273 89 -8
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 40C M.W.: 10S, 28C
Centroid Location:
Origin Time 08:47: 4.5 0.1
Lat 58.87N 0.01 Lon 143.62W 0.02
Dep 15.0 FIX Half-duration 12.0
Principal Axes:
Scale 10**19 Nm

| | | | |
|---|---|---|---|
| T | Val= 6.86 | Plg=19 | Azm=124 |
| N | -0.58 | 56 | 4 |
| P | -6.28 | 27 | 224 |

Best Double Couple:Mo=6.6*10**19
NP1:Strike=262 Dip=57 Slip= -6
NP2: 356 85 -147

18 01 34 00.14 8.094S 108.793E 66km
5.5mb ( 37 obs.)
JAVA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 25C
Centroid Location:
Origin Time 01:34: 2.0 0.4
Lat 8.92S 0.06 Lon 108.50E 0.05
Dep 66.5 4.6 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

| | | | |
|---|---|---|---|
| T | Val= 1.71 | Plg=39 | Azm=198 |
| N | 0.05 | 49 | 40 |
| P | -1.76 | 11 | 297 |

Best Double Couple:Mo=1.7*10**17
NP1:Strike=346 Dip=55 Slip= 23
NP2: 242 72 143

18 06 18 52.55 58.597N 143.781W 10km
5.0mb ( 43 obs.) 4.9Msz ( 2 obs.)
GULF OF ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Location:
Origin Time 06:18:53.6 0.7
Lat 59.11N 0.07 Lon 143.74W 0.12
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**16 Nm

| | | | |
|---|---|---|---|
| T | Val= 11.81 | Plg=16 | Azm=114 |
| N | 1.36 | 55 | 359 |
| P | -13.16 | 30 | 214 |

Best Double Couple:Mo=1.2*10**17
NP1:Strike=250 Dip=57 Slip= -11
NP2: 346 81 -146

18 07 13 23.05 58.696N 143.398W 10km
4.7mb ( 22 obs.)
GULF OF ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 21C
Centroid Location:
Origin Time 07:13:24.3 2.0
Lat 58.98N 0.19 Lon 143.23W 0.30
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

| | | | |
|---|---|---|---|
| T | Val= 3.88 | Plg= 3 | Azm=139 |
| N | 0.09 | 75 | 241 |
| P | -3.97 | 14 | 48 |

Best Double Couple:Mo=3.9*10**16
NP1:Strike=184 Dip=78 Slip=-172
NP2: 92 82 -12

18 12 04 49.35 24.969N 123.933E 116km
4.9mb ( 34 obs.)
SOUTHWESTERN RYUKYU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 15C
Centroid Location:
Origin Time 12:04:52.6 1.2
Lat 25.07N 0.14 Lon 124.16E 0.32
Dep 98.8 8.3 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm

| | | | |
|---|---|---|---|
| T | Val= 4.23 | Plg=14 | Azm=130 |
| N | 1.03 | 54 | 241 |
| P | -5.26 | 32 | 30 |

Best Double Couple:Mo=4.8*10**16
NP1:Strike=174 Dip=57 Slip=-166
NP2: 77 79 -34

18 12 46 44.80 26.285S 70.506W 41km
5.7mb ( 21 obs.) 6.4Msz ( 1 obs.)
NEAR COAST OF NORTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 23C
Centroid Location:
Origin Time 12:46:53.2 0.8
Lat 25.99S 0.10 Lon 70.19W 0.11
Dep 41.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

| | | | |
|---|---|---|---|
| T | Val= 1.29 | Plg=28 | Azm=100 |
| N | 0.00 | 6 | 6 |
| P | -1.29 | 61 | 266 |

Best Double Couple:Mo=1.3*10**17
NP1:Strike=205 Dip=17 Slip= -71
NP2: 5 74 -96

18 13 01 55.22 58.642N 143.190W 10km
5.2mb ( 49 obs.) 5.6Msz ( 8 obs.)
GULF OF ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 39C
Centroid Location:
Origin Time 13:01:59.1 0.3
Lat 58.85N 0.04 Lon 143.50W 0.05
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm

| | | | |
|---|---|---|---|
| T | Val= 5.70 | Plg= 1 | Azm=309 |
| N | -0.48 | 86 | 50 |
| P | -5.22 | 4 | 219 |

Best Double Couple:Mo=5.5*10**17
NP1:Strike=354 Dip=87 Slip=-178
NP2: 264 88 -3

18 16 27 05.27 12.845N 124.770E 22km
5.9mb ( 71 obs.) 6.3Msz ( 20 obs.)
SAMAR, PHILIPPINE ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 3 Dip=68 Slip= 90
NP2: 183 22 90
Principal Axes:

| | | | |
|---|---|---|---|
| T | | Plg=67 | Azm=273 |
| P | | 23 | 93 |

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sto: 7 Focal mech F
Energy 2.8±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 10 No. of sto: 14
Principal Axes:
Scale 10**18 Nm

| | | | |
|---|---|---|---|
| T | Val= 3.47 | Plg=66 | Azm=265 |
| N | 0.93 | 2 | 359 |
| P | -4.41 | 24 | 90 |

Best Double Couple:Mo=3.9*10**18
NP1:Strike=183 Dip=21 Slip= 95
NP2: 358 69 88
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 39C M.W.: 13S, 26C
Centroid Location:
Origin Time 16:27: 8.7 0.1
Lat 12.93N 0.01 Lon 125.04E 0.02
Dep 28.6 0.9 Half-duration 6.2
Principal Axes:
Scale 10**18 Nm

| | | | |
|---|---|---|---|
| T | Val= 4.03 | Plg=65 | Azm=267 |
| N | 0.21 | 3 | 170 |
| P | -4.23 | 25 | 79 |

Best Double Couple:Mo=4.1*10**18
NP1:Strike=161 Dip=20 Slip= 81
NP2: 351 70 93

19 14 30 31.48 59.922N 29.887W 10km
4.8mb ( 23 obs.) 4.8Msz ( 1 obs.)
NORTH ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 12C
Centroid Location:
Origin Time 14:30:33.2 3.5

Lat 59.70N 0.43 Lon 29.29W 0.37
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 2.58 Plg= 0 Azm=101
N -0.52 0 11
P -2.06 90 180
Best Double Couple:Mo=2.3*10**16
NP1:Strike=191 Dip=45 Slip= -90
NP2: 11 45 -90

19 16 15 34.81 24.248N 142.608E 41km
5.7mb ( 73 obs.) 5.5Msz ( 9 obs.)
VOLCANO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 22C
Centroid Location:
Origin Time 16:15:37.1 0.3
Lat 24.10N 0.03 Lon 142.51E 0.06
Dep 30.2 BDY Half-duration 2.8
Principal Axes:
Scale 10**17 Nm
T Val= 4.51 Plg=65 Azm=254
N 0.40 1 161
P -4.90 25 71
Best Double Couple:Mo=4.7*10**17
NP1:Strike=157 Dip=20 Slip= 86
NP2: 342 70 92

19 22 23 55.04 6.696S 147.486E 19km
5.6mb ( 16 obs.) 4.6Msz ( 1 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 19C
Centroid Location:
Origin Time 22:23:57.8 0.7
Lat 6.62S 0.08 Lon 147.19E 0.11
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.46 Plg=38 Azm=160
N 0.28 48 13
P -1.74 17 263
Best Double Couple:Mo=1.6*10**17
NP1:Strike=309 Dip=51 Slip= 17
NP2: 208 77 139

20 21 19 47.74 55.489S 28.018W 30km
5.5mb ( 10 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L P.B.: 11S, 22C
Centroid Location:
Origin Time 21:19:51.3 0.3
Lat 55.65S 0.06 Lon 28.08W 0.09
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.33 Plg= 7 Azm=294
N -0.30 25 27
P -1.03 64 190
Best Double Couple:Mo=1.2*10**17
NP1:Strike=359 Dip=44 Slip=-127
NP2: 225 56 -60

20 21 38 55.50 55.469S 27.986W 33km
5.5mb ( 6 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C
Centroid Location:
Origin Time 21:39: 1.6 0.9
Lat 55.55S 0.13 Lon 27.81W 0.44
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**17 Nm
T Val= 1.48 Plg=14 Azm=114
N -0.43 50 222
P -1.05 36 14
Best Double Couple:Mo=1.3*10**17
NP1:Strike=160 Dip=54 Slip=-162
NP2: 60 76 -37

21 19 23 56.52 7.066S 123.218E 650km
5.1mb ( 22 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 20C
Centroid Location:
Origin Time 19:23:53.6 1.2
Lat 7.47S 0.09 Lon 123.74E 0.17
Dep 608.9 8.7 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 5.38 Plg=20 Azm=197
N 2.06 35 301
P -7.44 48 83
Best Double Couple:Mo=6.4*10**16
NP1:Strike=245 Dip=40 Slip=-153
NP2: 133 73 -53

21 22 12 37.20 5.819S 146.773E 108km
5.0mb ( 8 obs.)
EAST PAPUA NEW GUINEA REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centroid Location:
Origin Time 22:12:42.5 1.3
Lat 5.82S 0.12 Lon 146.71E 0.13
Dep 114.7 6.9 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 6 41 Plg=26 Azm= 28
N -0.08 64 205
P -6.33 1 298
Best Double Couple:Mo=6.4*10**16
NP1:Strike= 70 Dip=71 Slip= 162
NP2: 166 73 19

22 00 30 57.28 62.195S 165.044E 10km
5.4mb ( 7 obs.) 5 1Msz ( 1 obs.)
BALLENY ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 29C
Centroid Location:
Origin Time 00:31: 8.5 0.5
Lat 62.13S 0.06 Lon 164.20E 0.09
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.32 Plg= 0 Azm=188
N -0.31 90 180
P -1.01 0 98
Best Double Couple:Mo=1.2*10**17
NP1:Strike=233 Dip=90 Slip= 180
NP2: 323 90 0

22 03 36 57.00 46.413N 153.478E 35km
5.4mb ( 68 obs.) 5.3Msz ( 8 obs.)
KURIL ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 27C
Centroid Location:
Origin Time 03:36:59.1 0.4
Lat 46.26N 0.05 Lon 153.17E 0.14
Dep 15.0 BDY Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.30 Plg=63 Azm=254
N -0.31 17 20
P -1.98 21 117
Best Double Couple:Mo=2.1*10**17
NP1:Strike=234 Dip=29 Slip= 127
NP2: 13 68 72

23 07 18 20.50 61.616N 141.323W 5km
5.7mb ( 88 obs.) 5.0Msz ( 4 obs.)
SOUTHERN ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Location:
Origin Time 07:18:24.7 0.5
Lat 61.56N 0.06 Lon 141.09W 0.12
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.02 Plg=76 Azm=110
N 0.07 14 280
P -2.09 2 10
Best Double Couple:Mo=2.1*10**17
NP1:Strike=114 Dip=44 Slip= 110
NP2: 268 49 72

24 01 54 14.51 33.083N 115.775W 5km
5.7mb ( 58 obs.) 6.2Msz ( 13 obs.)
SOUTHERN CALIFORNIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=383 Dip=87 Slip= 0
NP2: 113 90 183
Principal Axes:
T Plg= 2 Azm=248
P 2 338
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 8 No. of sto: 7
Principal Axes:
Scale 10**17 Nm
T Val= 9.13 Plg= 4 Azm= 80
N -0.02 85 223
P -9.10 3 350
Best Double Couple:Mo=9.1*10**17
NP1:Strike=125 Dip=86 Slip= 179
NP2: 215 89 4
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C
Centroid Location:
Origin Time 01:54:20.5 0.4
Lat 33.02N 0.05 Lon 115.69W 0.04
Dep 15.0 FIX Half-duration 4.8
Principal Axes:
Scale 10**18 Nm
T Val= 1.46 Plg= 0 Azm=260
N -0.07 90 180
P -1.40 0 170
Best Double Couple:Mo=1.4*10**18
NP1:Strike=305 Dip=90 Slip= 180
NP2: 35 90 0

24 07 39 58.29 56.076S 27.481W 90km
5.6mb ( 18 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 36C
Centroid Location:
Origin Time 07:40: 0.7 0.4
Lat 56.10S 0.05 Lon 27.79W 0.09
Dep 92.0 5.0 Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.10 Plg=39 Azm=134
N -0.28 3 42
P -1.81 51 308
Best Double Couple:Mo=2.0*10**17
NP1:Strike=251 Dip= 7 Slip= -61
NP2: 41 84 -93

24 08 39 08.21 17.676S 178.596W 555km
5.5mb ( 42 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 15C
Centroid Location:
Origin Time 08:39:10.7 1.2
Lat 17.99S 0.11 Lon 178.56W 0.10
Dep 551.8 6.2 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.22 Plg=44 Azm= 71
N -0.16 16 177
P -2.06 41 282
Best Double Couple:Mo=2.1*10**17
NP1:Strike= 82 Dip=16 Slip= 175
NP2: 177 89 74

24 09 24 10.39 5.607S 149.415E 142km
5.5mb ( 23 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 27C
Centroid Location:
Origin Time 09:24:13.1 0.6
Lat 5.68S 0.06 Lon 149.64E 0.07
Dep 138.6 2.8 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.89 Plg=19 Azm=163
N -0.29 23 65
P -1.59 60 290
Best Double Couple:Mo=1.7*10**17
NP1:Strike=285 Dip=33 Slip= -45
NP2: 55 68 -114

24 11 23 16.90 32.658N 59.105E 41km
5.3mb ( 44 obs.) 4.4Msz ( 3 obs.)
IRAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 17C
Centroid Location:
Origin Time 11:23:15.7 2.6
Lat 32.23N 0.22 Lon 58.98E 0.17
Dep 15.2 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 9.32 | 78 | 167 |
| N | 1.46 | 10 | 311 |
| P | -10.78 | 7 | 42 |

Best Double Couple:Mo=1.0*10**17
NP1:Strike=144 Dip=39 Slip= 106
NP2: 303 53 77

24 11 31 57.60 24.927N 141.805E 74km
4.8mb ( 11 obs.) 5.2Msz ( 1 obs.)
VOLCANO ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 12C
Centroid Location:
Origin Time 11:31:54.3 3.4
Lat 24.94N 0.32 Lon 142.37E 0.22
Dep 88.612.8 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 7.80 | 0 | 262 |
| N | -3.34 | 62 | 172 |
| P | -4.46 | 28 | 352 |

Best Double Couple:Mo=6.1*10**16
NP1:Strike= 33 Dip=71 Slip= -21
NP2: 130 71 -159

24 13 15 56.40 33.010N 115.840W 2km
6.0mb ( 57 obs.) 6.6Msz ( 17 obs.)
SOUTHERN CALIFORNIA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 30 Dip=88 Slip= 3
NP2: 300 87 178
Principal Axes:

| | Plg= | Azm= |
|---|---|---|
| T | 4 | 255 |
| P | 1 | 165 |

Comment: The focal mechanism is well controlled and corresponds to strike-slip faulting The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 12 No. of sta: 8
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 6.20 | 2 | 257 |
| N | -0.01 | 88 | 36 |
| P | -6.20 | 1 | 167 |

Best Double Couple:Mo=6.2*10**18
NP1:Strike=302 Dip=88 Slip= 180
NP2: 32 90 2
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B. 17S, 48C M.W.: 14S, 32C
Centroid Location:
Origin Time 13:16:11.5 0.1
Lat 33.02N 0.01 Lon 116.00W 0.01
Dep 15.0 FIX Half-duration 7.2
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 6.94 | 10 | 89 |
| N | 0.47 | 78 | 232 |
| P | -7.41 | 7 | 358 |

Best Double Couple:Mo=7.2*10**18
NP1:Strike=133 Dip=78 Slip= 178
NP2: 224 88 12

24 15 06 09.16 16.976S 174.026W 143km
5.6mb ( 45 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 24C
Centroid Location:
Origin Time 15:06:16.3 0.8
Lat 16.65S 0.08 Lon 174.38W 0.11
Dep 170.5 3.7 Half-duration 3.2
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 8.47 | 66 | 288 |
| N | 0.72 | 2 | 22 |
| P | -9.19 | 24 | 113 |

Best Double Couple:Mo=8.8*10**17
NP1:Strike=207 Dip=21 Slip= 96
NP2: 21 69 88

25 16 08 35.61 5.601S 149.390E 141km
5.7mb ( 36 obs.)
NEW BRITAIN REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 55 Dip=70 Slip=-120
NP2: 294 36 -36
Principal Axes:

| | Plg= | Azm= |
|---|---|---|
| T | 19 | 167 |
| P | 55 | 287 |

Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a large strike-slip component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 6 Focal mech. F
Energy 2.8±1.0*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 135 No. of sta: 8
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.57 | 10 | 188 |
| N | 0.02 | 29 | 93 |
| P | -1.59 | 59 | 295 |

Best Double Couple:Mo=1.6*10**18
NP1:Strike=309 Dip=43 Slip= -44
NP2: 75 61 -124
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 36C M.W.: 14S, 35C
Centroid Location:
Origin Time 16:08:40.6 0.2
Lat 5.61S 0.02 Lon 149.46E 0.02
Dep 142.2 0.7 Half-duration 4.2
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.44 | 17 | 174 |
| N | 0.22 | 17 | 79 |
| P | -1.66 | 65 | 306 |

Best Double Couple:Mo=1.6*10**18
NP1:Strike=289 Dip=32 Slip= -56
NP2: 70 64 -109

25 19 58 53.50 53.482S 24.583E 10km
4.8mb ( 7 obs.)
SOUTH OF AFRICA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 19:59: 0.0 0.6
Lat 53.26S 0.09 Lon 25.58E 0.14
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 8.62 | 13 | 157 |
| N | 1.42 | 72 | 23 |
| P | -10.04 | 13 | 250 |

Best Double Couple:Mo=9.3*10**16
NP1:Strike=293 Dip=72 Slip= 0
NP2: 203 90 162

26 01 43 14.05 8.247S 124.155E 33km
5.8mb ( 45 obs.) 6.5Msz ( 23 obs.)
TIMOR
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 96 Dip=82 Slip=-176
NP2: 5 86 -8
Principal Axes:

| | Plg= | Azm= |
|---|---|---|
| T | 3 | 51 |
| P | 8 | 321 |

Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a small normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 4 Focal mech. M
Energy 6.5±2.3*10**14 Nm
MOMENT TENSOR SOLUTION
Dep 50 No. of sta: 10
Principal Axes:
Scale 10**19 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.41 | 0 | 228 |
| N | 0.00 | 89 | 119 |
| P | -1.42 | 1 | 318 |

Best Double Couple:Mo=1.4*10**19
NP1:Strike= 3 Dip=89 Slip= -1
NP2: 93 89 -179
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 42C M.W.: 12S, 33C
Centroid Location:
Origin Time 01:43:16.3 0.2
Lat 8.51S 0.01 Lon 124.23E 0.02
Dep 15.0 BDY Half-duration 7.4
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 8.46 | 14 | 48 |
| N | -0.98 | 71 | 183 |
| P | -7.48 | 13 | 315 |

Best Double Couple:Mo=8.0*10**18
NP1:Strike= 91 Dip=71 Slip= 180
NP2: 181 90 19

26 17 28 54.73 16.351S 168.119E 18km
5.6mb ( 18 obs.) 6.3Msz ( 14 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 43C M.W.: 12S, 27C
Centroid Location:
Origin Time 17:29: 0.4 0.2
Lat 16.35S 0.02 Lon 168.27E 0.02
Dep 15.0 FIX Half-duration 4.5
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 2.03 | 15 | 12 |
| N | 0.20 | 71 | 233 |
| P | -2.23 | 12 | 105 |

Best Double Couple:Mo=2.1*10**18
NP1:Strike=149 Dip=71 Slip= 2
NP2: 58 88 161

27 00 02 08.05 0.234S 125.064E 33km
5.8mb ( 47 obs.) 5.7Msz ( 14 obs.)
MOLUCCA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 35 Dip=70 Slip= 90
NP2: 215 20 90
Principal Axes:

| | Plg= | Azm= |
|---|---|---|
| T | 65 | 305 |
| P | 25 | 125 |

Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2
RADIATED ENERGY
No. of sta: 4 Focal mech. C
Energy 7.9±3.5*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 20 No of sta: 7
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.30 | 57 | 299 |
| N | 0.05 | 5 | 36 |
| P | -1.34 | 33 | 129 |

Best Double Couple:Mo=1.3*10**18
NP1:Strike=237 Dip=13 Slip= 112
NP2: 35 78 85
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 36C
Centroid Location:
Origin Time 00:02:14.9 0.2
Lat 0.24S 0.03 Lon 125.78E 0.03
Dep 18.6 BDY Half-duration 4.0
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.64 | 68 | 251 |
| N | -0.23 | 16 | 26 |
| P | -1.41 | 15 | 120 |

Best Double Couple:Mo=1.5*10**18
NP1:Strike=232 Dip=33 Slip= 121
NP2: 17 62 72

27 05 02 42.29 18.678N 107.036W 33km
5.0mb ( 17 obs.) 4.7Msz ( 1 obs.)
OFF COAST OF JALISCO, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 05:02:42.8 0.5
Lat 18.51N 0.04 Lon 106.91W 0.06
Dep 15.0 FIX Half-duration 2.4
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 2.79 | 12 | 64 |

N −0.36 74 289
P −2.43 11 157
Best Double Couple:Mo=2.6*10**17
NP1:Strike=201 Dip=74 Slip= 0
NP2: 110 90 164

27 06 14 31.41 8.788N 39.812W 10km
5.2mb ( 55 obs.) 4.6Msz ( 6 obs.)
CENTRAL MID-ATLANTIC RIDGE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 26C
Centroid Location:
Origin Time 06:14:36.8 0.5
Lat 8.74N 0.04 Lon 39.77W 0.05
Dep 15.0 FIX Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 9.80 Plg= 0 Azm=224
N −0.12 90 180
P −9.68 0 134
Best Double Couple:Mo=9.7*10**16
NP1:Strike=269 Dip=90 Slip= 180
NP2: 359 90 0

27 13 05 52.62 16.263S 168.132E 33km
5.5mb ( 21 obs.) 5.5Msz ( 3 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 29C
Centroid Location:
Origin Time 13:05:52.6 0.5
Lat 16.49S 0.06 Lon 168.55E 0.06
Dep 15.0 FIX Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.10 Plg=69 Azm=217
N 0.36 15 349
P −2.46 15 83
Best Double Couple:Mo=2.3*10**17
NP1:Strike=194 Dip=32 Slip= 118
NP2: 341 62 73

27 13 11 22.61 16.307S 168.141E 29km
4.9mb ( 10 obs.) 5.3Msz ( 1 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 20C
Centroid Location:
Origin Time 13:11:22.3 1.3
Lat 16.80S 0.09 Lon 168.75E 0.12
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.36 Plg=63 Azm= 3
N 0.84 26 192
P −2.20 3 100
Best Double Couple:Mo=1.8*10**17
NP1:Strike=165 Dip=48 Slip= 53
NP2: 33 54 123

27 13 33 18.05 16.373S 168.117E 29km
5.4mb ( 19 obs.) 6.4Msz ( 17 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 41C M.W.: 12S, 26C
Centroid Location:
Origin Time 13:33:22.4 0.2
Lat 16.42S 0.02 Lon 168.20E 0.02
Dep 15.0 FIX Half-duration 4.9
Principal Axes:
Scale 10**18 Nm
T Val= 2.24 Plg=17 Azm= 13
N 0.17 69 231
P −2.41 12 107
Best Double Couple:Mo=2.3*10**18
NP1:Strike=151 Dip=69 Slip= 3
NP2: 60 87 159

27 17 35 36.04 16.224S 168.166E 30km
5.0mb ( 11 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 16C
Centroid Location:
Origin Time 17:35:41.9 2.1
Lat 16.81S 0.17 Lon 168.03E 0.22
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 4.19 Plg=61 Azm=175
N 1.16 28 11
P −5.34 7 278
Best Double Couple:Mo=4.8*10**16
NP1:Strike=339 Dip=45 Slip= 48
NP2: 211 58 124

28 04 03 45.29 0.338S 124.864E 34km
5.9mb ( 40 obs.) 5.8Msz ( 21 obs.)
MOLUCCA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 25 Dip=72 Slip= 90
NP2: 205 18 90
Principal Axes:
T Plg=63 Azm=295
P 27 115
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 28 No. of sta: 8
Principal Axes:
Scale 10**18 Nm
T Val= 2.86 Plg=54 Azm=277
N −0.02 20 38
P −2.84 28 139
Best Double Couple:Mo=2.9*10**18
NP1:Strike=270 Dip=25 Slip= 145
NP2: 33 76 69
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 35C M.W.: 11S, 24C
Centroid Location:
Origin Time 04:03:54.0 0.1
Lat 0.14S 0.02 Lon 125.68E 0.02
Dep 15.0 FIX Half-duration 5.0
Principal Axes:
Scale 10**18 Nm
T Val= 3.31 Plg=61 Azm=269
N −0.53 14 26
P −2.78 24 123
Best Double Couple:Mo=3.0*10**18
NP1:Strike=240 Dip=24 Slip= 126
NP2: 21 71 75

29 07 57 21.65 45.715S 76.512W 22km
5.6mb ( 16 obs.) 5.0Msz ( 3 obs.)
OFF COAST OF SOUTHERN CHILE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 07:57:22.4 0.3
Lat 45.87S 0.06 Lon 76.57W 0.07
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 1.90 Plg= 8 Azm= 68
N −0.23 3 158
P −1.68 81 268
Best Double Couple:Mo=1.8*10**17
NP1:Strike=154 Dip=37 Slip= −95
NP2: 340 53 −86

30 01 19 31.49 19.648S 175.944E 33km
4.9mb ( 9 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 01:19:35.7 0.8
Lat 19.65S 0.08 Lon 175.85E 0.07
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.69 Plg=19 Azm=119
N 0 00 59 355
P −1.70 24 218
Best Double Couple:Mo=1.7*10**17
NP1:Strike=257 Dip=59 Slip= −4
NP2: 349 87 −149

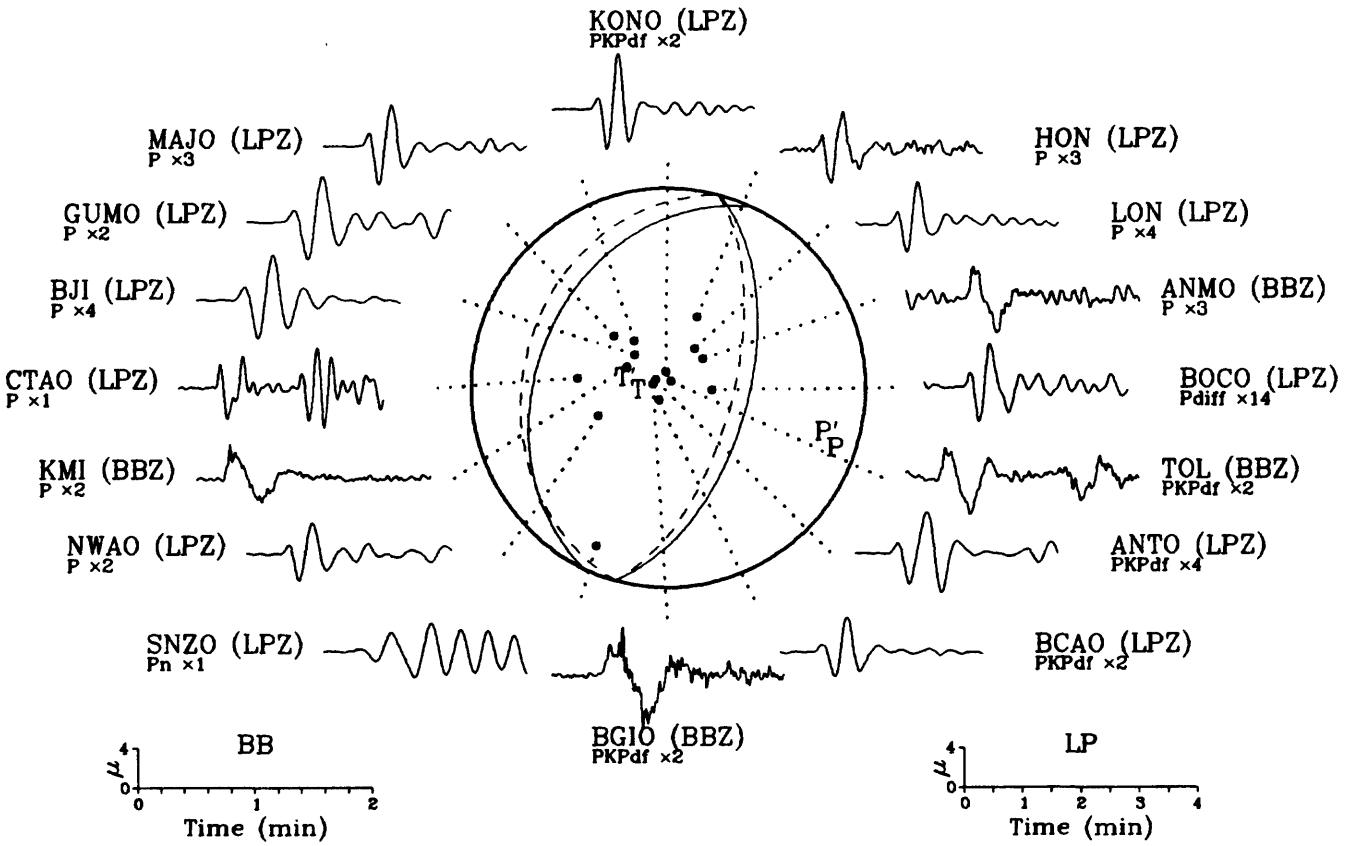
30 01 28 19.89 16.290S 173.042W 33km
4.9mb ( 7 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 14C
Centroid Location:
Origin Time 01:28:28.1 1.0
Lat 16.37S 0.19 Lon 173.32W 0.16
Dep 28.8 9.3 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.30 Plg=57 Azm=265
N 0.22 0 174
P −1.52 33 84
Best Double Couple:Mo=1.4*10**17
NP1:Strike=172 Dip=12 Slip= 88
NP2: 354 78 90

30 04 41 41.30 0.097S 124.993E 58km
5.4mb ( 24 obs.)
MOLUCCA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 29C
Centroid Location:
Origin Time 04:41:47.3 0.3
Lat 0.24N 0.04 Lon 125.69E 0.05
Dep 52.3 2.8 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 3.39 Plg=74 Azm=285
N −0.25 6 38
P −3.14 15 129
Best Double Couple:Mo=3.3*10**17
NP1:Strike=229 Dip=30 Slip= 103
NP2: 34 60 83

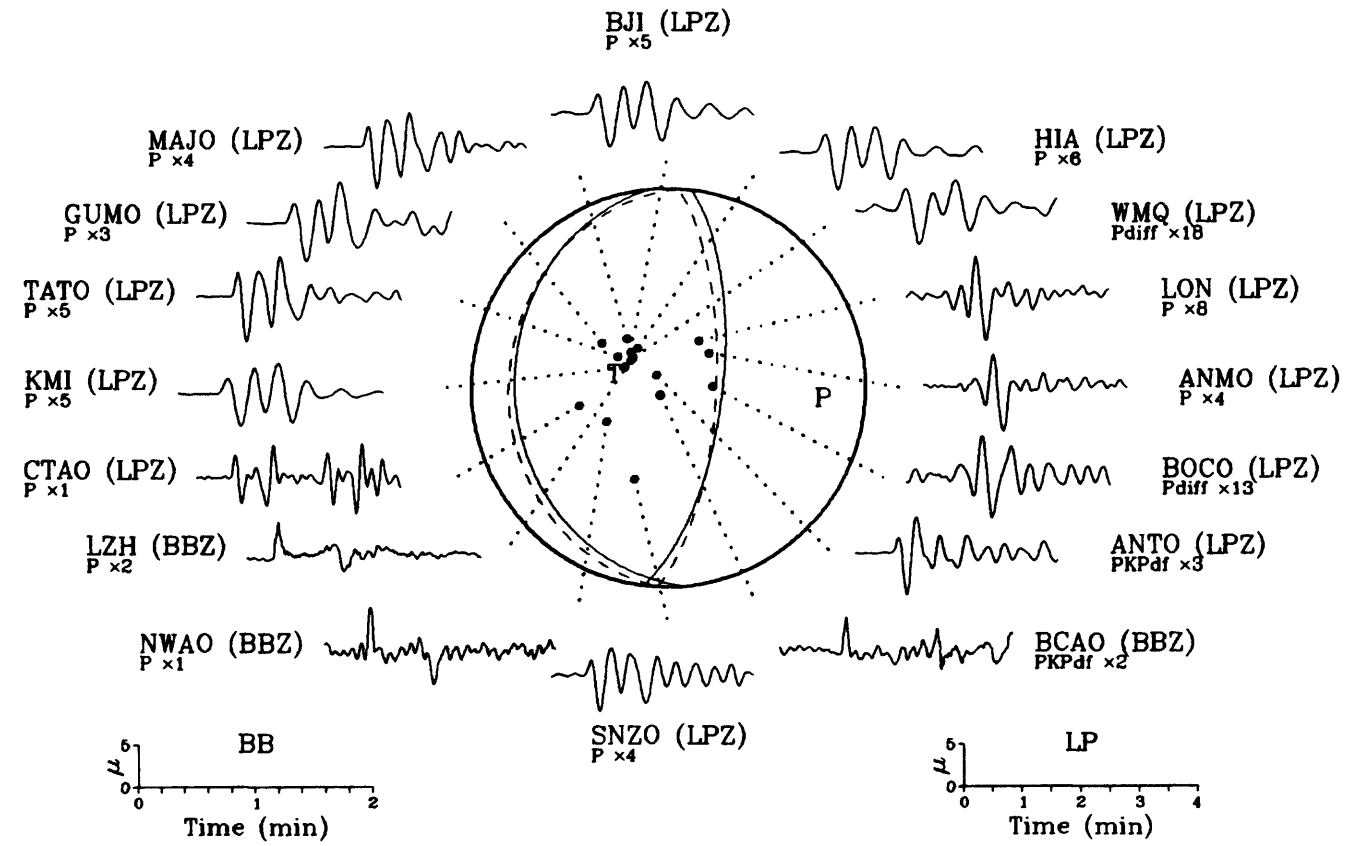
30 19 23 19.59 58.679N 142.786W 10km
6.7mb ( 57 obs.) 7.6Msz ( 11 obs.)
GULF OF ALASKA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=262 Dip=87 Slip= 0
NP2: 352 90 183
Principal Axes:
T Plg= 2 Azm=127
P 2 217
Comment: The focal mechanism is well controlled and corresponds to strike-slip faulting. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sto: 6 Focal mech F
Energy 2.7±0.5*10**17 Nm
MOMENT TENSOR SOLUTION
Dep 20 No. of sto: 10
Principal Axes:
Scale 10**20 Nm
T Val= 6.57 Plg= 1 Azm=131
N 0.10 88 239
P −6.67 2 41
Best Double Couple:Mo=6.6*10**20
NP1:Strike=176 Dip=88 Slip=−179
NP2: 86 89 −2
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 35C M.W.: 13S, 39C
Centroid Location:
Origin Time 19:23:40.3 0.2
Lat 58.17N 0.01 Lon 142.04W 0.03
Dep 15.0 FIX Half-duration 17.5
Principal Axes:
Scale 10**20 Nm
T Val= 7.25 Plg= 9 Azm=310
N 0.04 68 62
P −7.29 20 217
Best Double Couple:Mo=7.3*10**20
NP1:Strike=355 Dip=70 Slip=−172
NP2: 262 82 −20

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrove and William H. Schmieder.

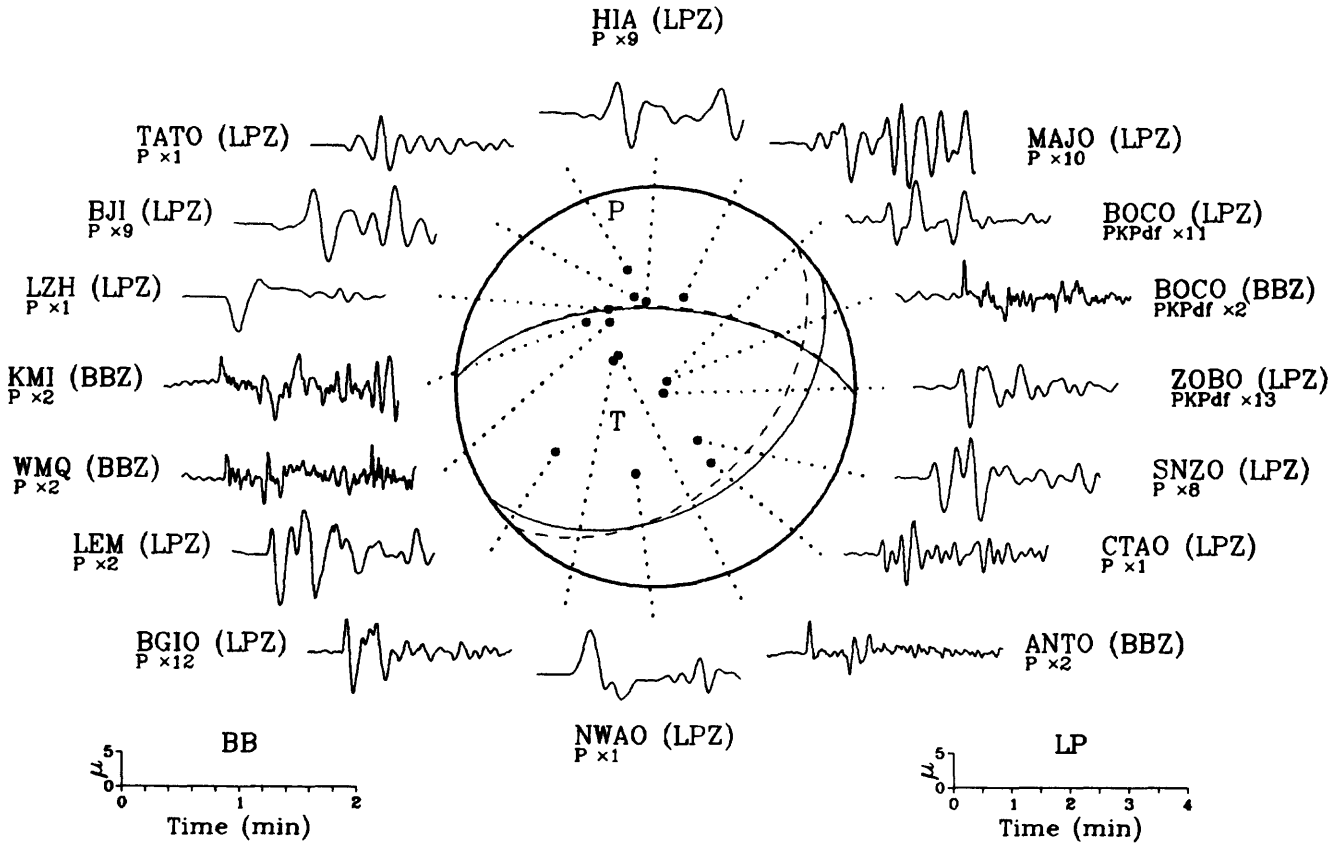
## 01 November 1987 08:42:06.53
## Kermadec Islands Region



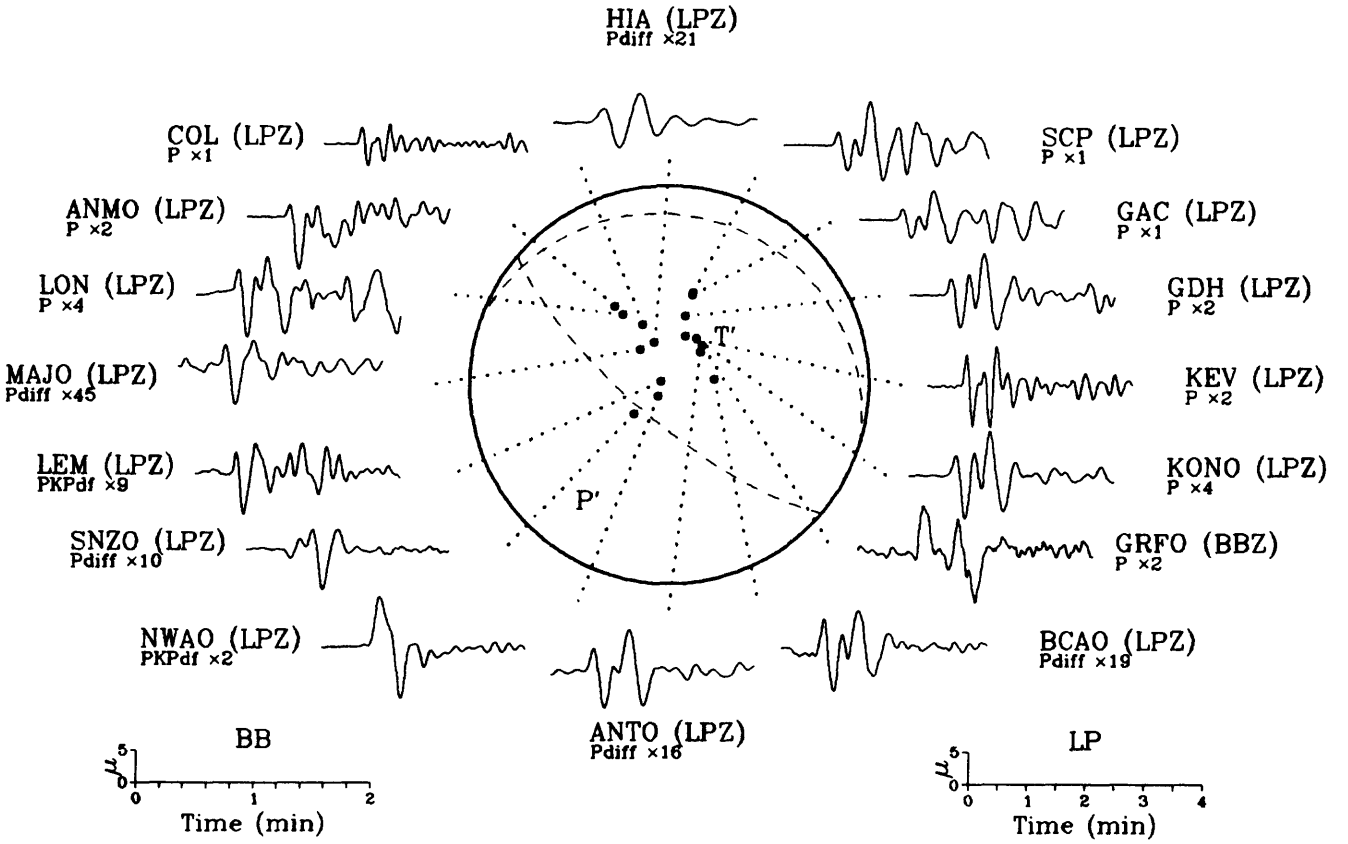

## 03 November 1987 08:15:00.38
## Tonga Islands



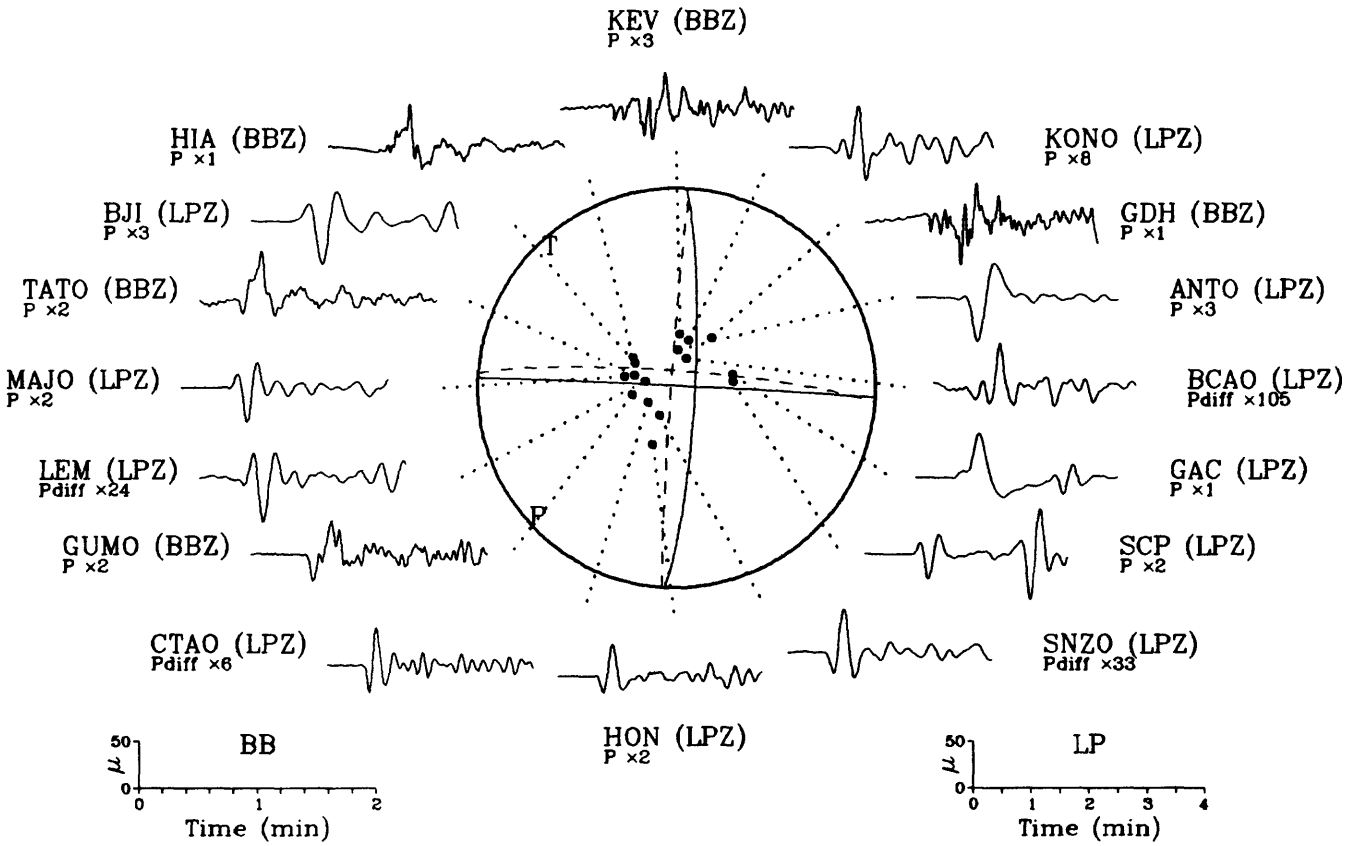
## 07 November 1987 16:23:55.90
## Mindanao, Philippine Islands



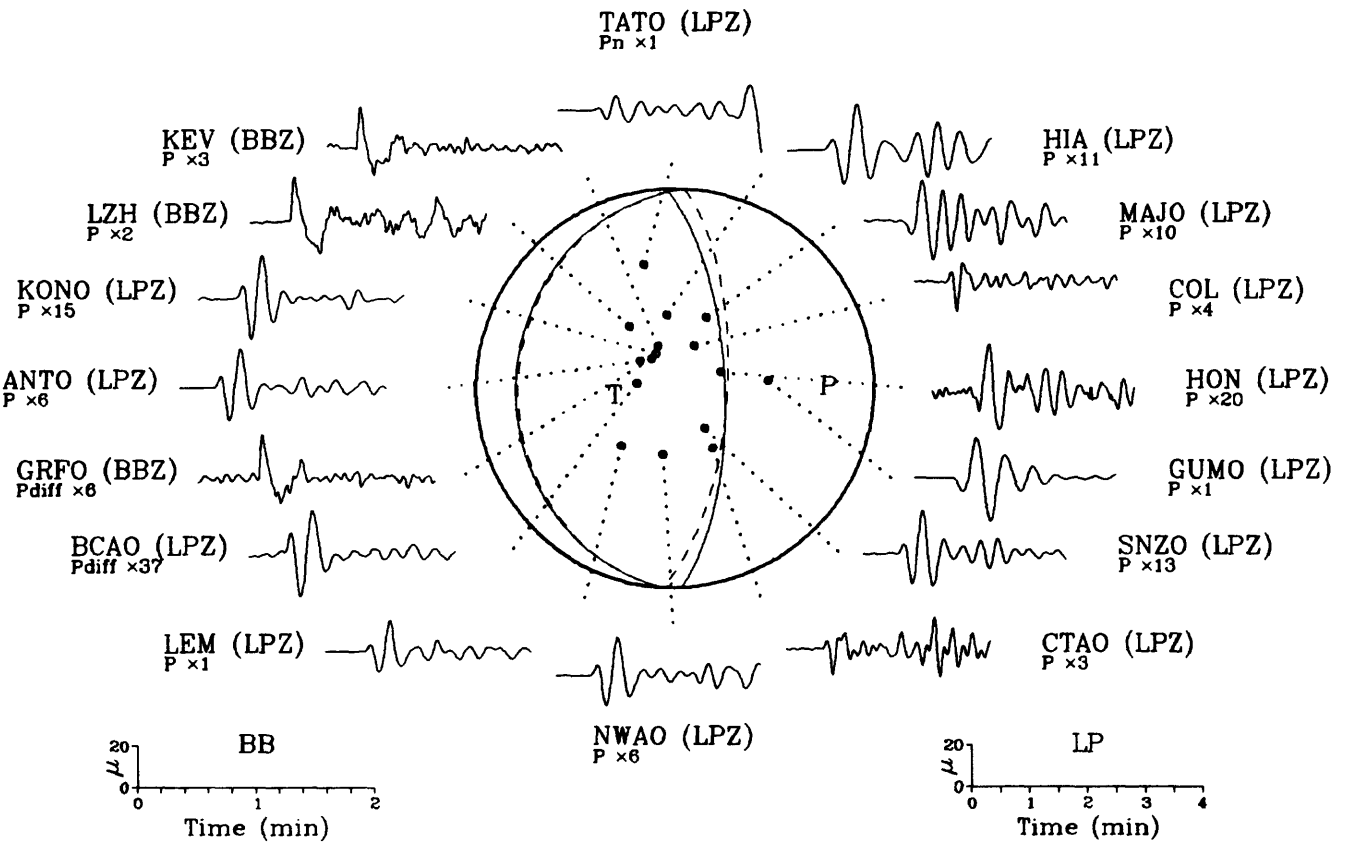

## 17 November 1987 03:40:08.97
## Near Coast of Nicaragua



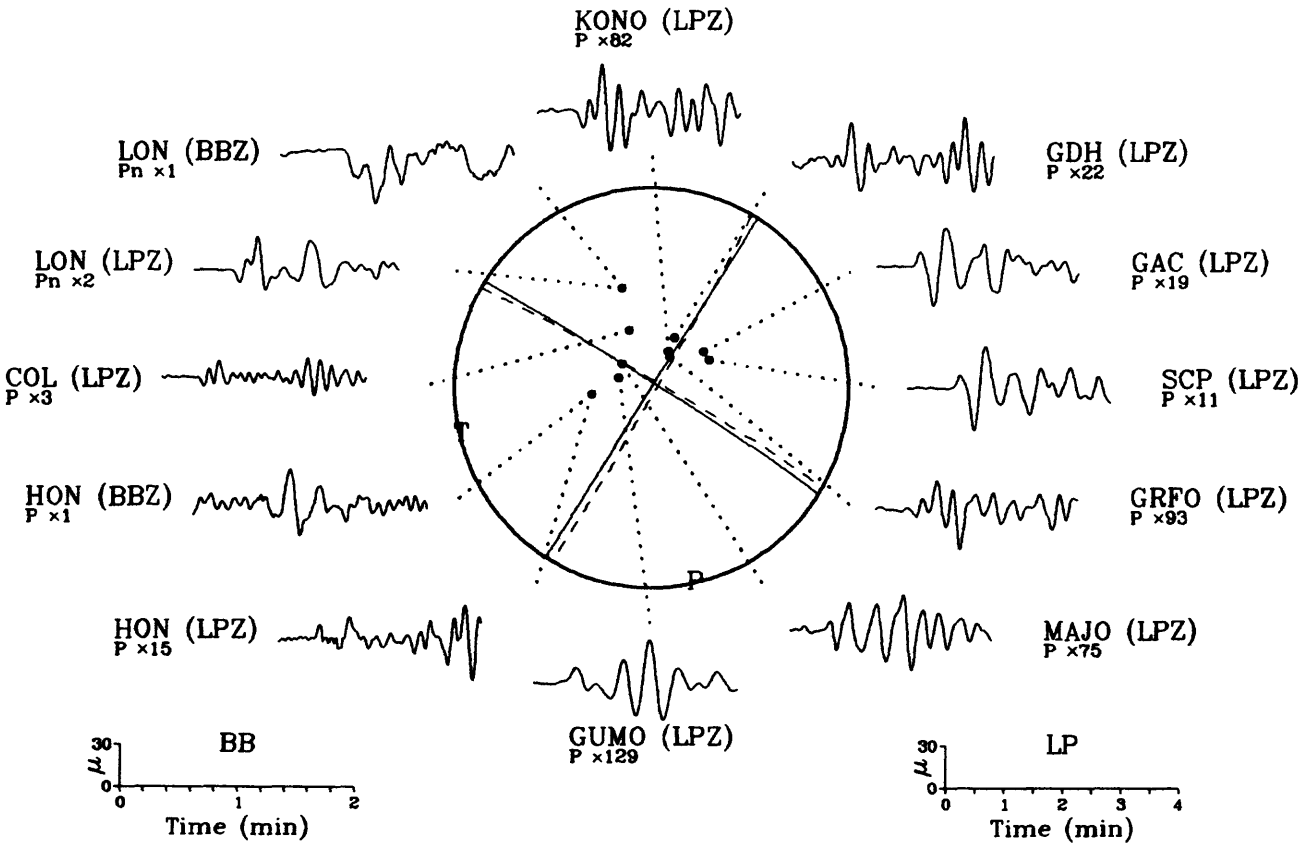
## 17 November 1987 08:46:53.32
## Gulf of Alaska



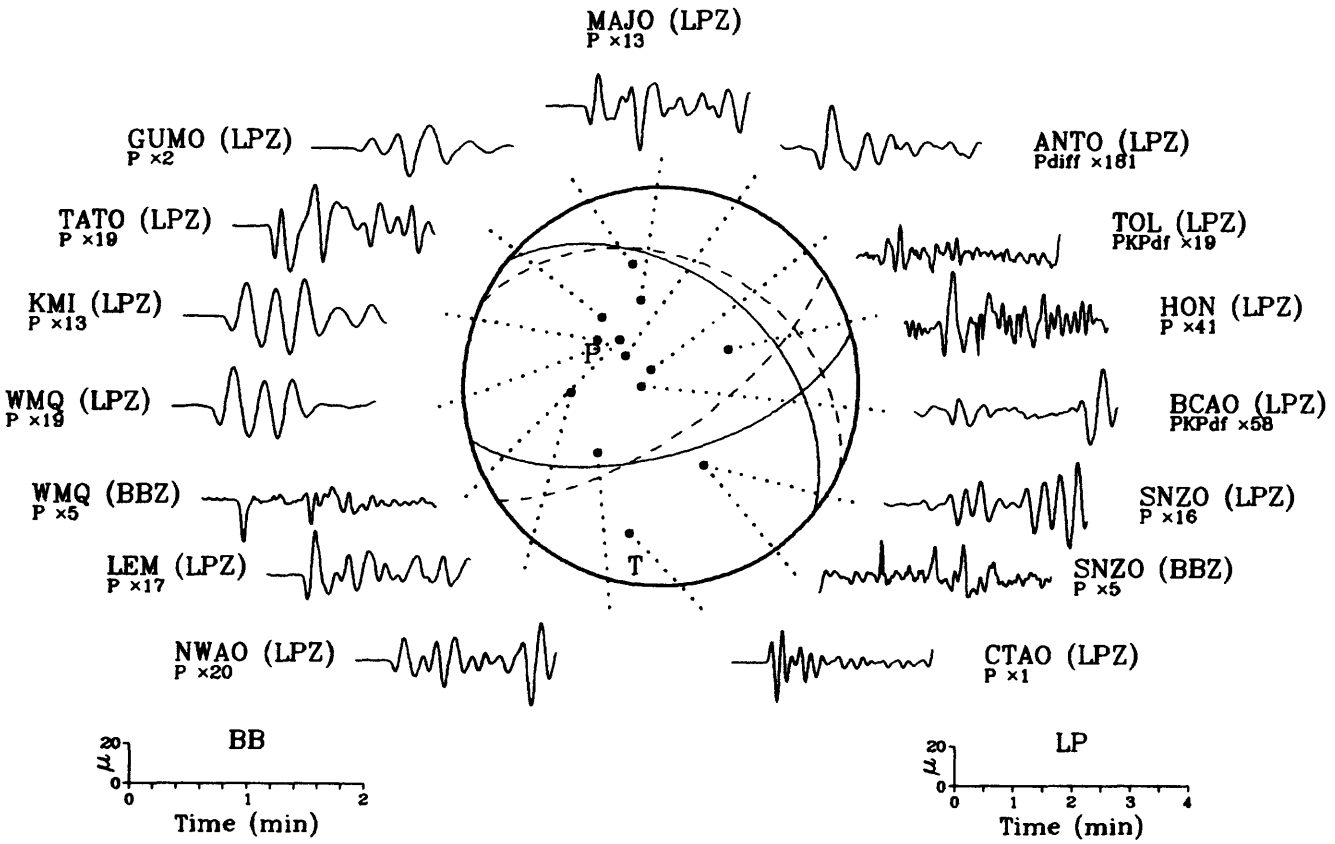

## 18 November 1987 16:27:05.27
## Samar, Philippine Islands



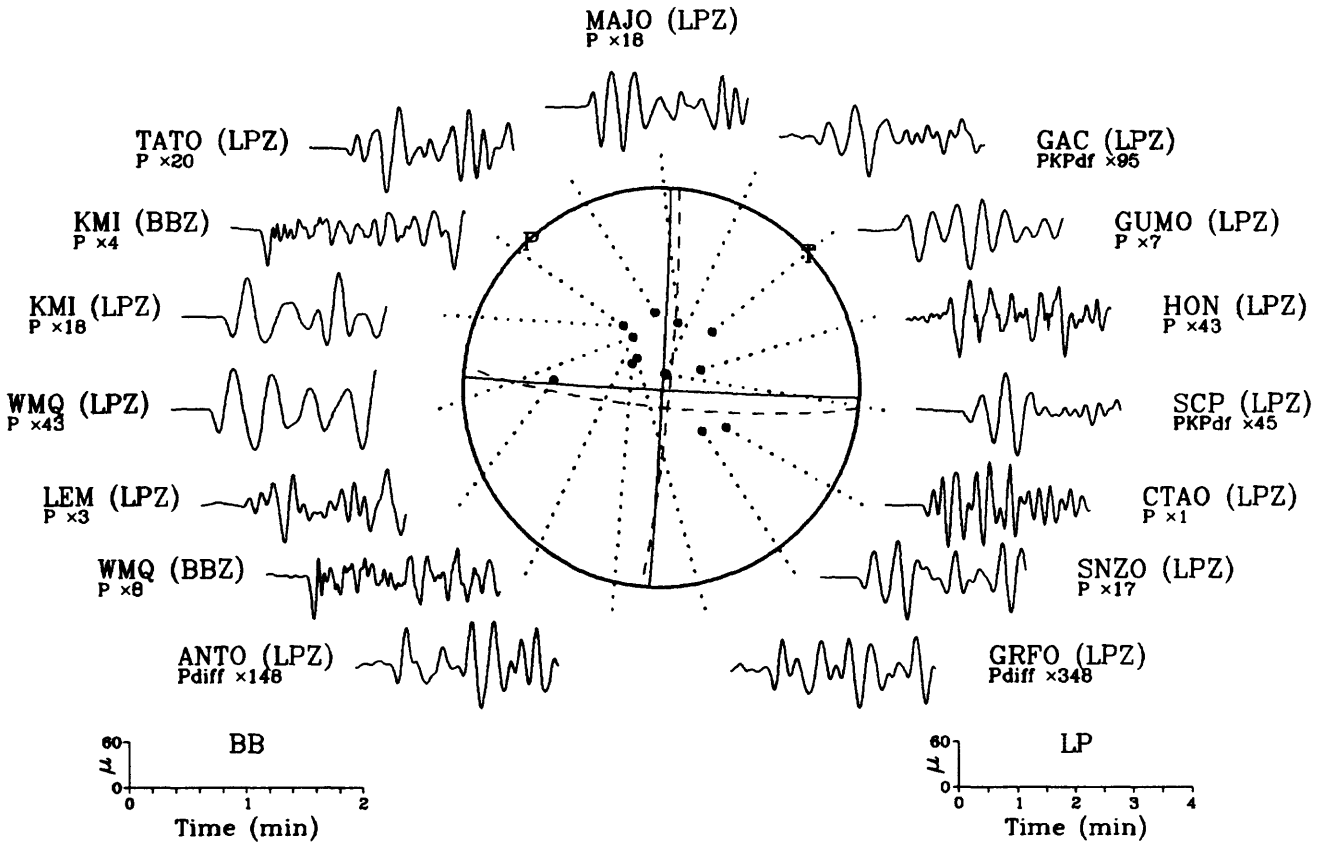
## 24 November 1987 13:15:56.40
## Southern California



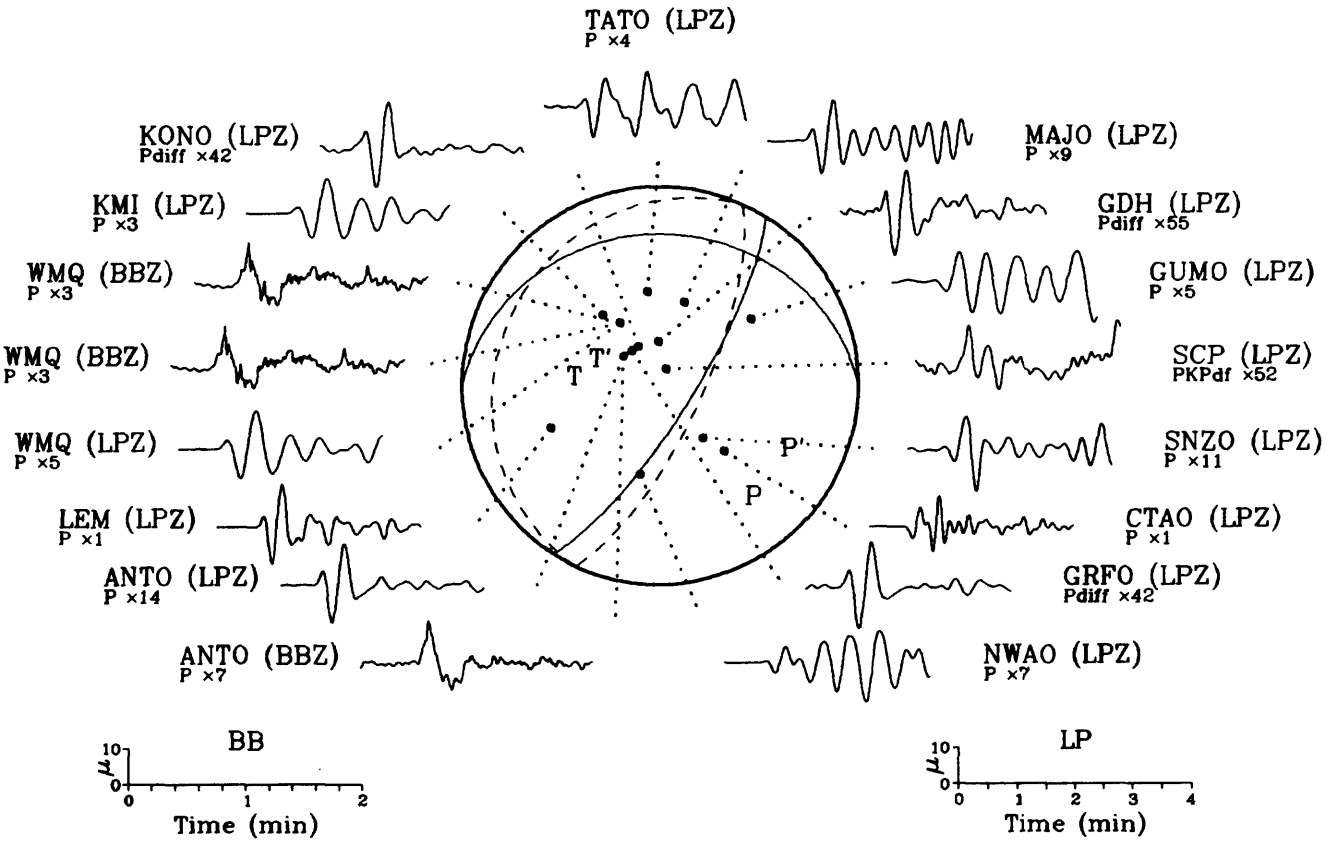

## 25 November 1987 16:08:35.61
## New Britain Region

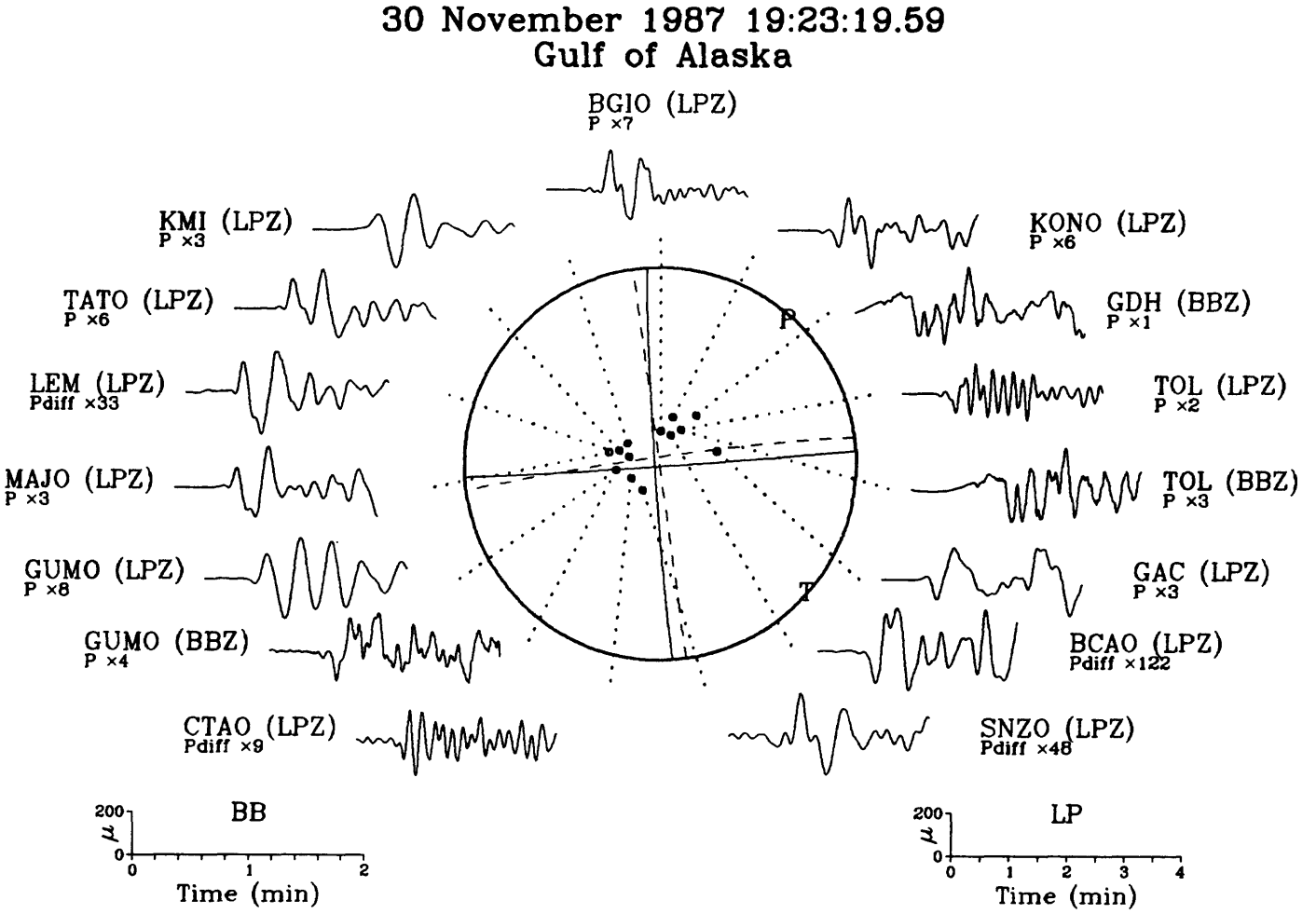


## 26 November 1987 01:43:14.05
## Timor



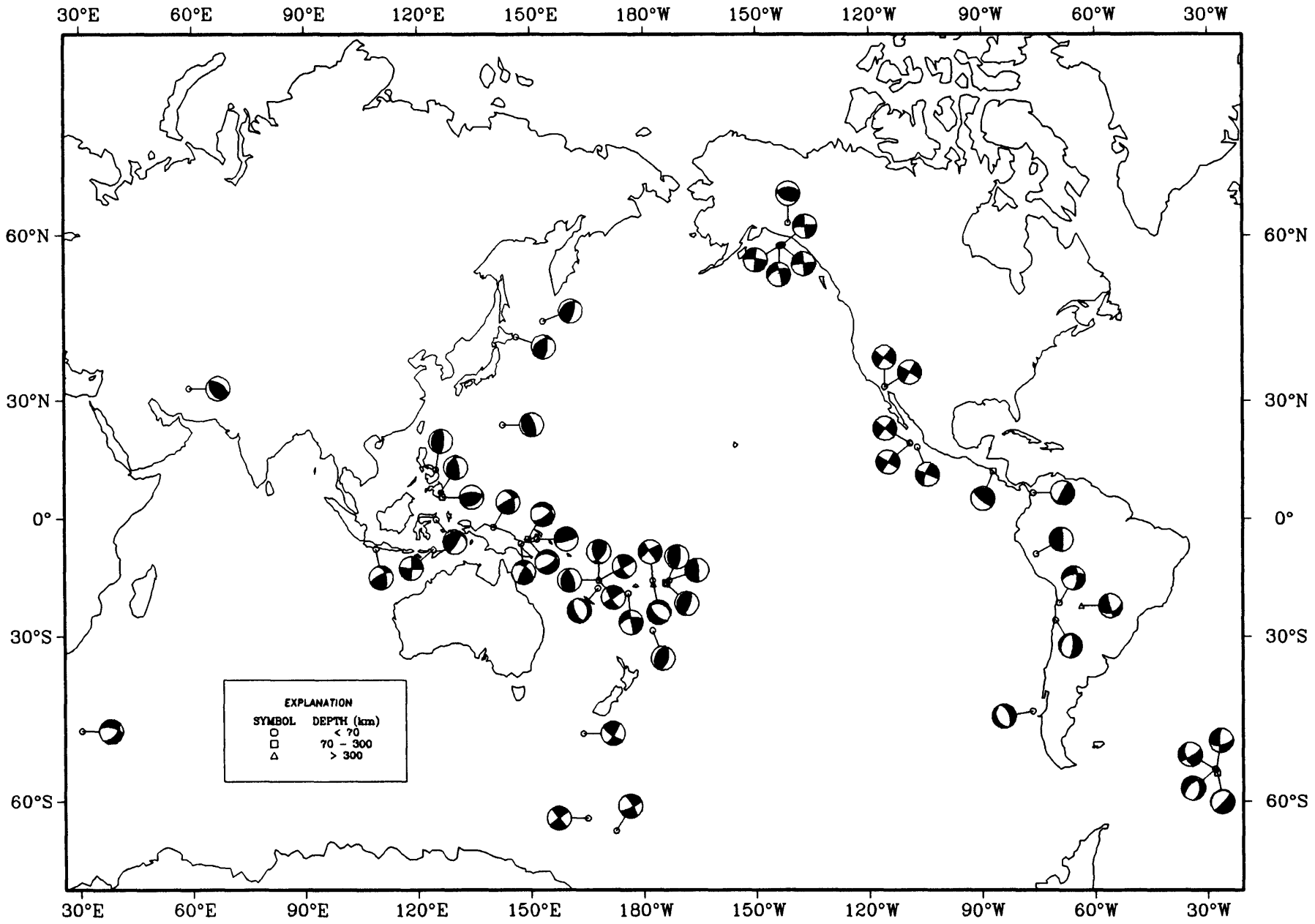

## 28 November 1987 04:03:45.29
## Molucca Sea

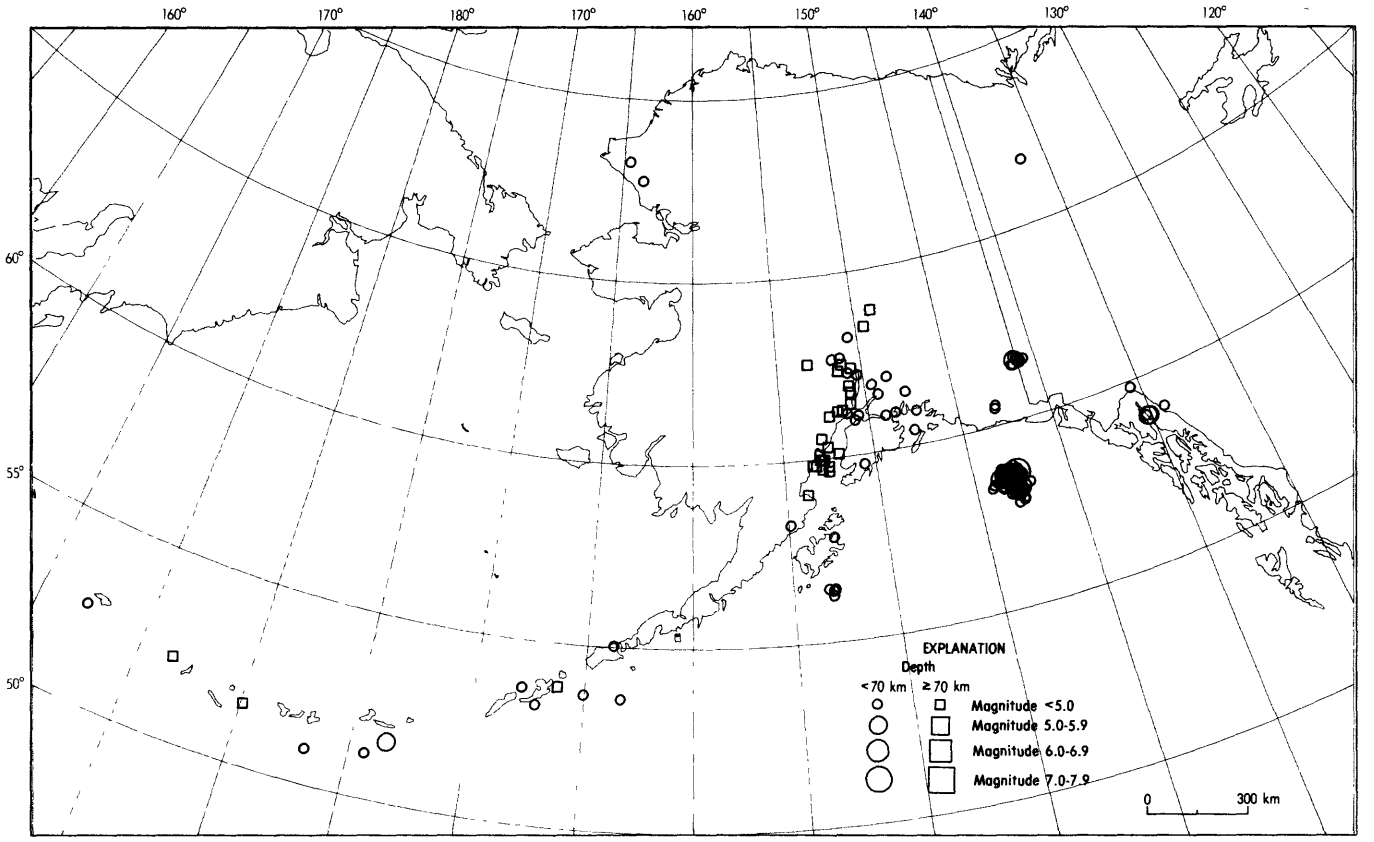




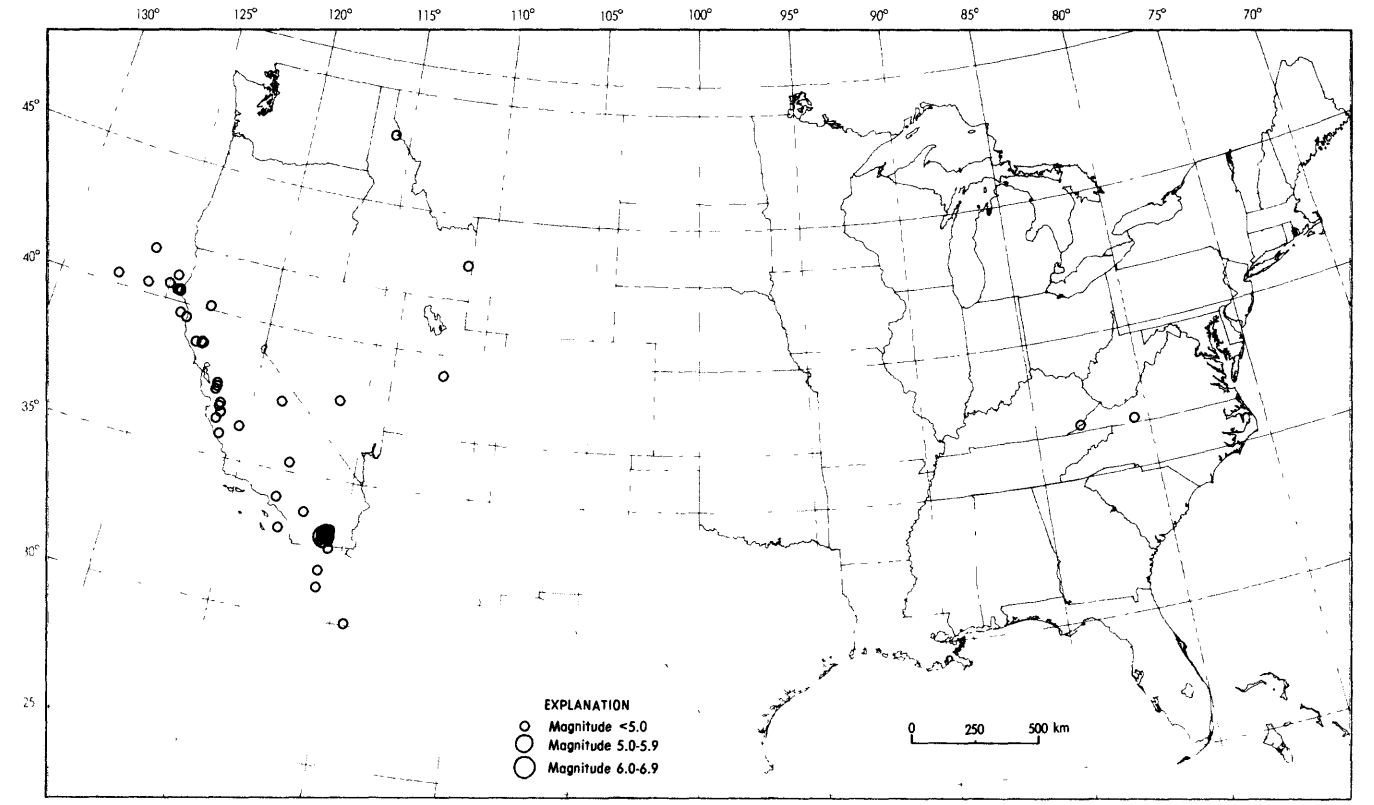

Complex event.

# Earthquake Focal Mechanisms for November 1987

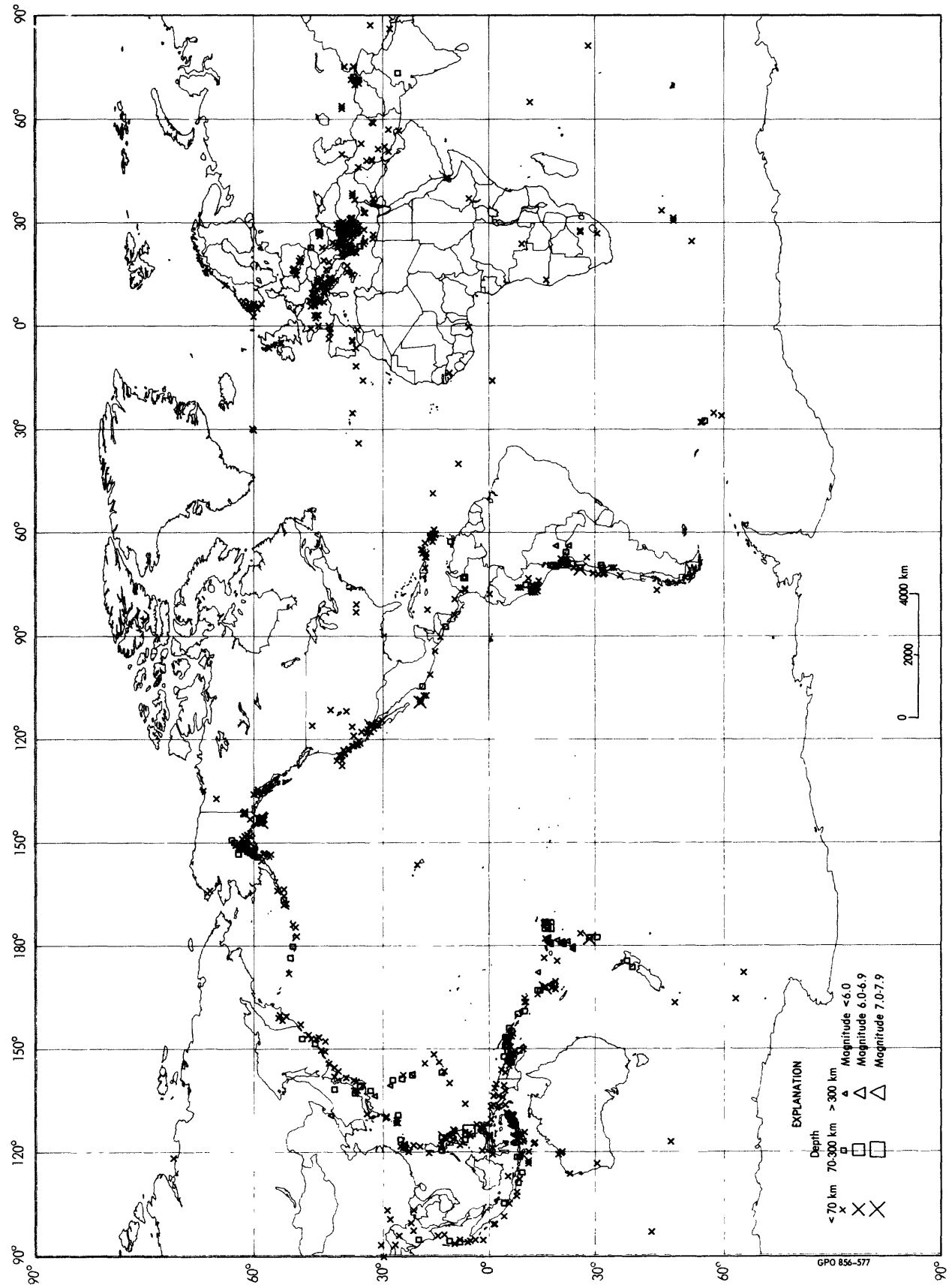





Earthquake epicenters in Alaska and adjacent regions for November, 1987 (C. Stover).




Earthquake epicenters in the conterminous United States and adjacent regions for November, 1987 (C. Stover).




Earthquakes located in November, 1987 (C. Stover).

# PRELIMINARY DETERMINATION OF EPICENTERS

## MONTHLY LISTING

## U.S. DEPARTMENT OF THE INTERIOR / GEOLOGICAL SURVEY

## National Earthquake Information Center

### DECEMBER 1987

| KEY | DAY | ORIGIN TIME UTC HR | MN | SEC | GEOGRAPHIC COORDINATES LAT | | LONG | | DEPTH | | MAGNITUDES GS MB | Msz | SD | NO. STA USED | REGION, CONTRIBUTED MAGNITUDES AND COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 01 | 00 | 09 | 54.0& | 58.416 | N | 142.674 | W | 10 | G | | | | 28 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 00 | 14 | 21.9& | 58.747 | N | 142.686 | W | 10 | G | | | | 36 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 01 | 00 | 26 | 32.7& | 58.599 | N | 142.758 | W | 10 | G | | | | 26 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 00 | 33 | 47.4& | 58.486 | N | 142.739 | W | 10 | G | | | | 34 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 01 | 00 | 37 | 54.8& | 58.507 | N | 142.693 | W | 10 | G | | | | 21 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 00 | 46 | 32.5 | 58.331 | N | 142.938 | W | 10 | G | | | 0.4 | 10 | GULF OF ALASKA. ML 3.5 (PMR). |
| | 01 | 00 | 55 | 39.6& | 58.768 | N | 142.822 | W | 10 | G | | | | 20 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 01 | 07 | 38.0& | 58.062 | N | 142.886 | W | 10 | G | 4.2 | | | 50 | GULF OF ALASKA. <AGS-P>. ML 3.8 (PMR). |
| | 01 | 01 | 13 | 13.2& | 58.592 | N | 142.289 | W | 10 | G | 4.6 | | | 42 | GULF OF ALASKA. <AGS-P>. ML 4.1 (PMR). |
| | 01 | 01 | 14 | 04.6? | 18.97 | N | 65.13 | W | 33 | N | | | 0.0 | 5 | PUERTO RICO REGION. ML 4.3 (FDF). |
| | 01 | 01 | 19 | 49.6& | 57.844 | N | 142.694 | W | 10 | G | | | | 41 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 01 | 01 | 23 | 15.3& | 58.712 | N | 142.753 | W | 10 | G | | | | 31 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 01 | 35 | 15.8& | 58.526 | N | 142.905 | W | 10 | G | 4.3 | | | 45 | GULF OF ALASKA. <AGS-P>. ML 4.2 (PMR). |
| | 01 | 01 | 55 | 21.9& | 57.839 | N | 142.476 | W | 10 | G | | | | 14 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 02 | 04 | 25.2& | 58.169 | N | 142.925 | W | 10 | G | | | | 27 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 02 | 17 | 19.2& | 58.023 | N | 143.118 | W | 10 | G | | | | 35 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 01 | 02 | 22 | 30.7* | 52.416 | N | 170.707 | W | 33 | N | 4.5 | | 0.7 | 10 | FOX ISLANDS, ALEUTIAN ISLANDS |
| | 01 | 02 | 37 | 20.0& | 58.202 | N | 141.657 | W | 10 | G | | | | 32 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 01 | 02 | 43 | 58.3& | 58.336 | N | 141.717 | W | 10 | G | | | | 11 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. |
| | 01 | 03 | 12 | 46.6& | 58.662 | N | 142.659 | W | 10 | G | | | | 18 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 03 | 32 | 59.4* | 37.517 | N | 14.800 | E | 10 | G | | | 0.2 | 5 | SICILY |
| | 01 | 03 | 37 | 02.1& | 58.266 | N | 141.630 | W | 10 | G | | | | 23 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. |
| | 01 | 03 | 50 | 05.6& | 58.035 | N | 142.633 | W | 10 | G | | | | 28 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 03 | 59 | 10.1 | 51.786 | N | 170.524 | W | 33 | N | 5.1 | 5.0 | 1.1 | 136 | FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.2 (PMR). |
| | 01 | 04 | 00 | 17.2& | 58.828 | N | 142.796 | W | 10 | G | | | | 16 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 04 | 04 | 12.6 | 17.768 | S | 172.904 | W | 29 | D | 5.4 | 5.5 | 1.1 | 153 | TONGA ISLANDS REGION |
| | 01 | 04 | 25 | 15.9& | 58.745 | N | 142.620 | W | 10 | G | 4.9 | 4.9 | | 121 | GULF OF ALASKA. <AGS-P>. ML 4.8 (PMR). |
| | 01 | 04 | 44 | 22 1& | 58.219 | N | 142.565 | W | 10 | G | | | | 29 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 04 | 58 | 21.0& | 58.038 | N | 142.817 | W | 10 | G | | | | 29 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 05 | 25 | 39.3* | 35.983 | N | 29.514 | E | 10 | G | | | 1.3 | 5 | EASTERN MEDITERRANEAN SEA |
| | 01 | 05 | 47 | 12.5& | 59.396 | N | 144.856 | W | 19 | | | | | 23 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 05 | 48 | 23.9* | 58.554 | N | 142.809 | W | 10 | G | | | 1.1 | 10 | GULF OF ALASKA. ML 3.6 (PMR). |
| | 01 | 06 | 01 | 45.8& | 58.110 | N | 142.566 | W | 10 | G | | | | 19 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 06 | 25 | 47.2* | 36.578 | N | 6.264 | W | 10 | G | | | 1.4 | 10 | STRAIT OF GIBRALTAR. MG 2.8 (MDD). |
| | 01 | 06 | 59 | 35.7& | 58.705 | N | 142.903 | W | 10 | G | | | | 23 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 01 | 07 | 03 | 47.7& | 33.660 | N | 117.860 | W | 12 | | | | | 3 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 01 | 07 | 12 | 25.6& | 58.249 | N | 141.615 | W | 10 | G | | | | 36 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. ML 3.8 (PMR). |
| | 01 | 07 | 21 | 45.3& | 58.150 | N | 141.644 | W | 10 | G | | | | 20 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. |
| | 01 | 07 | 39 | 38.8* | 38.523 | N | 29.719 | E | 10 | G | | | 1.5 | 6 | TURKEY |
| | 01 | 07 | 41 | 26.6& | 58.278 | N | 141.667 | W | 10 | G | | | | 23 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. |
| | 01 | 08 | 22 | 23.0& | 58.113 | N | 143.228 | W | 10 | G | | | | 40 | GULF OF ALASKA. <AGS-P>. ML 3.5 (PMR). |
| | 01 | 08 | 23 | 07.8& | 32.740 | N | 115.850 | W | 6 | G | | | | 6 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS). |
| | 01 | 08 | 39 | 13.6& | 58.510 | N | 142.722 | W | 10 | G | | | | 29 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 08 | 43 | 32.9& | 58.219 | N | 141.617 | W | 10 | G | | | | 42 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. ML 3.8 (PMR). |
| | 01 | 08 | 49 | 52.1& | 58.320 | N | 141.792 | W | 10 | G | | | | 25 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 01 | 08 | 50 | 40.2 | 26.324 | N | 93.254 | E | 49 | | 4.9 | | 1.2 | 54 | EASTERN INDIA |
| | 01 | 09 | 01 | 55.7* | 18.626 | N | 107.015 | W | 33 | N | 3.8 | | 1 4 | 17 | OFF COAST OF JALISCO, MEXICO |
| | 01 | 09 | 25 | 03.6& | 58.226 | N | 141.694 | W | 10 | G | 3.9 | | | 39 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 01 | 09 | 49 | 29.2& | 57.826 | N | 142.637 | W | 10 | G | | | | 31 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 10 | 01 | 58.2 | 5.766 | N | 78.270 | W | 33 | N | 4.8 | 4.3 | 1.1 | 65 | SOUTH OF PANAMA |
| | 01 | 11 | 13 | 19.6& | 34.290 | N | 116.920 | W | 7 | | | | | 24 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). Felt (V) at Angelus Oaks and Fawnskin; (III) at Adelanto, Forest Falls, Hemet and Lakeview. |

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| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 01 | 11 14 08.6& | 34.280 | N | 116.920 | W | 3 | | | | 1 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). |
| | 01 | 11 15 27.4& | 40.093 | N | 122.772 | W | 3 | | | | 5 | NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). |
| | 01 | 11 21 03.8& | 58.021 | N | 141.408 | W | 10 | G | | | 22 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. |
| | 01 | 11 30 07.0& | 58.543 | N | 142.685 | W | 10 | G | | | 40 | GULF OF ALASKA. <AGS-P>. ML 3.8 (PMR). |
| | 01 | 11 44 27.6& | 58.413 | N | 142.810 | W | 10 | G | | | 47 | GULF OF ALASKA. <AGS-P>. ML 3.5 (PMR). |
| o | 01 | 12 03 59.7& | 57.953 | N | 142.611 | W | 10 | G | 5.4 | 5.7 | 192 | GULF OF ALASKA. <AGS-P>. ML 5.6 (PMR). |
| | 01 | 12 05 08.9% | 41.096 | N | 15.086 | E | 10 | G | | 1.5 | 5 | SOUTHERN ITALY |
| | 01 | 12 08 08.3? | 47.90 | N | 3.19 | W | 11 | | | 1.0 | 19 | FRANCE. ML 3.7 (LDG). |
| | 01 | 12 12 44.2* | 39.661 | N | 29.420 | E | 10 | G | | 0.8 | 5 | TURKEY |
| | 01 | 12 13 47.9* | 39.664 | N | 29.493 | E | 10 | G | | 0.9 | 5 | TURKEY |
| | 01 | 12 16 20.2% | 60.605 | N | 4.774 | E | 0 | G | | 0.4 | 5 | SOUTHERN NORWAY. MD 1.9 (BER). Probable explosion. |
| | 01 | 12 30 24.4& | 58.762 | N | 142.736 | W | 10 | G | | | 48 | GULF OF ALASKA. <AGS-P>. ML 4.4 (PMR). |
| | 01 | 12 38 16.6* | 42.811 | N | 24.056 | E | 10 | G | | 1.0 | 6 | BULGARIA |
| | 01 | 13 43 17.2& | 58.908 | N | 145.126 | W | 10 | G | | | 46 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 01 | 13 47 03.0& | 58.463 | N | 142.773 | W | 10 | G | | | 40 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 01 | 13 48 05.9* | 52.120 | N | 170.555 | W | 33 | N | 4.6 | 1.0 | 29 | FOX ISLANDS, ALEUTIAN ISLANDS |
| | 01 | 13 55 30.6% | 42.564 | N | 24.043 | E | 10 | G | | 0.9 | 5 | BULGARIA |
| | 01 | 14 08 01.6& | 58.876 | N | 142.886 | W | 10 | G | | | 41 | GULF OF ALASKA. <AGS-P>. ML 3.5 (PMR). |
| | 01 | 14 12 16.3& | 58.146 | N | 143.070 | W | 10 | G | | | 38 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 01 | 14 37 58.6& | 58.894 | N | 150.603 | W | 69 | | | | 32 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 14 38 42.6& | 58.079 | N | 142.848 | W | 10 | G | 4.2 | | 44 | GULF OF ALASKA. <AGS-P>. ML 4.2 (PMR). |
| | 01 | 14 53 28.5& | 40.095 | N | 122.748 | W | 7 | | | | 13 | NORTHERN CALIFORNIA. <BRK>. ML 3.3 (BRK). Felt (III) at Flournoy. |
| | 01 | 15 00 28.0& | 57.730 | N | 142.903 | W | 10 | G | | | 26 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 15 12 32.4& | 31.900 | N | 115.770 | W | 6 | G | | | 3 | BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS). |
| | 01 | 15 38 32.7& | 58.197 | N | 143.144 | W | 10 | G | 4.5 | | 45 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 01 | 16 06 50.8? | 36.69 | N | 10.10 | W | 10 | G | | 1.1 | 9 | NORTH ATLANTIC OCEAN. MG 3.2 (MDD). |
| | 01 | 16 30 00.0& | 36.996 | N | 116.004 | W | 0 | | | | 10 | CALIFORNIA-NEVADA BORDER REGION. <DOE>. 36' 59' 47.08" N., 116' 00' 16.08" W., Surface Elev. 1203 m., Depth of Burial 200 m., Shot Time 163000.090, "WACO," Nevada Test Site (Dept. of Energy). |
| | 01 | 17 07 28.0* | 38.694 | N | 71.343 | E | 33 | N | 4.2 | 0.5 | 6 | AFGHANISTAN-USSR BORDER REGION |
| | 01 | 17 07 47.6? | 32.01 | S | 69.88 | W | 136 | ? | | 0.4 | 7 | MENDOZA PROVINCE, ARGENTINA |
| | 01 | 17 40 44.9 | 38.378 | N | 20.226 | E | 10 | G | 4.2 | 1.2 | 52 | GREECE. ML 4.1 (TTG), 4.0 (THE), 3.9 (ATH). |
| o | 01 | 18 23 32.7 | 22.094 | S | 178.080 | W | 388 | D | 5.4 | 1.1 | 146 | SOUTH OF FIJI ISLANDS |
| | 01 | 19 05 04.0& | 58.251 | N | 142.718 | W | 10 | G | | | 37 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 01 | 19 44 24.0& | 58.462 | N | 142.729 | W | 10 | G | | | 35 | GULF OF ALASKA. <AGS-P>. ML 3.5 (PMR). |
| | 01 | 19 45 46.9& | 58.559 | N | 142.708 | W | 10 | G | 3.9 | | 25 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 20 08 21.0* | 38.285 | N | 21.639 | E | 10 | G | | 0.6 | 5 | GREECE. ML 3.0 (ATH). |
| | 01 | 20 40 03.2? | 34.02 | S | 69.04 | W | 144 | * | 3.8 | 0.8 | 9 | CHILE-ARGENTINA BORDER REGION |
| | 01 | 20 41 12.0& | 58.717 | N | 143.076 | W | 10 | G | 4.6 | | 71 | GULF OF ALASKA. <AGS-P>. ML 5.2 (PMR). |
| | 01 | 20 43 31.5? | 6.39 | S | 149.62 | E | 33 | N | 3.7 | 1.3 | 5 | NEW BRITAIN REGION |
| | 01 | 21 15 44.9? | 16.87 | N | 61.03 | W | 10 | G | | 0.3 | 4 | LEEWARD ISLANDS. ML 2.9 (FDF). |
| | 01 | 21 33 42.4? | 8.83 | S | 120.51 | E | 33 | N | 4.3 | 1.2 | 6 | FLORES ISLAND REGION |
| | 01 | 21 35 32.2& | 58.346 | N | 141.620 | W | 10 | G | 4.2 | | 40 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. ML 4.0 (PMR). |
| | 01 | 21 37 14.8& | 58.481 | N | 142.700 | W | 10 | G | | | 26 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 21 42 38.7& | 58.128 | N | 141.640 | W | 10 | G | | | 28 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. |
| | 01 | 21 58 19.6& | 58.805 | N | 142.300 | W | 10 | G | | | 26 | GULF OF ALASKA. <AGS-P>. |
| | 01 | 23 14 24.9& | 58.896 | N | 142.332 | W | 10 | G | | | 34 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 00 06 49.1 | 50.522 | N | 18.967 | E | 10 | G | | 1.3 | 11 | POLAND. ML 4.0 (GRF), 3.5 (KRA). |
| | 02 | 00 38 27.1& | 58.146 | N | 143.170 | W | 10 | G | | | 30 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 01 21 19.1& | 58.444 | N | 142.716 | W | 10 | G | | | 30 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 01 43 24.5* | 42.126 | N | 142.281 | E | 33 | N | 4.2 | 0.9 | 7 | HOKKAIDO, JAPAN REGION. Felt (I JMA) at Urakawa. |
| | 02 | 01 50 01.8& | 58.173 | N | 142.638 | W | 10 | G | 4.1 | | 52 | GULF OF ALASKA. <AGS-P>. ML 4.1 (PMR). |
| | 02 | 01 51 58.4& | 58.769 | N | 142.927 | W | 10 | G | | | 13 | GULF OF ALASKA. <AGS-P>. |
| o | 02 | 01 53 29.6& | 58.921 | N | 142.888 | W | 10 | G | 5.1 | 5.0 | 161 | GULF OF ALASKA. <AGS-P>. ML 5.4 (PMR). |
| | 02 | 02 16 11.5& | 57.790 | N | 142.937 | W | 10 | G | 4.6 | | 48 | GULF OF ALASKA. <AGS-P>. ML 4.1 (PMR). |
| | 02 | 02 38 09.8* | 18.481 | S | 168.386 | E | 43 | * | 4.9 | 1.3 | 35 | VANUATU ISLANDS |
| | 02 | 03 29 47.9& | 58.192 | N | 142.044 | W | 10 | G | | | 23 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 03 59 46.4& | 31.790 | N | 115.810 | W | 6 | G | 3.8 | | 26 | BAJA CALIFORNIA. <PAS-P>. ML 4.3 (PAS). Felt at San Diego, California. |
| | 02 | 04 03 05.6 | 33.126 | N | 115.830 | W | 5 | G | 3.9 | 0.9 | 18 | SOUTHERN CALIFORNIA. ML 4.6 (PAS). Felt (V) at Coachella and Thousand Palms; (IV) at Palm Desert and Plaster City; (III) at El Centro, Imperial, Jacumba, Ocotillo and Seeley. Felt in Imperial, Riverside and San Diego Counties. |
| | 02 | 04 09 26.9& | 31.950 | N | 115.690 | W | 6 | G | | | 3 | BAJA CALIFORNIA. <PAS-P>. ML 3.6 (PAS). |
| | 02 | 04 14 33.1* | 5.920 | S | 81.902 | W | 33 | N | 4.7 | 1.1 | 13 | NEAR COAST OF NORTHERN PERU |
| | 02 | 05 13 08.9& | 58.520 | N | 142.760 | W | 10 | G | 5.2 | 4.3 | 136 | GULF OF ALASKA. <AGS-P>. ML 5.3 (PMR). |
| | 02 | 06 04 24.9& | 31.880 | N | 115.820 | W | 6 | G | | | 4 | BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 02 | 06 34 48.1& | 57.707 | N | 143.020 | W | 10 | G | | | 24 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 06 39 14.4& | 58.059 | N | 143.211 | W | 10 | G | | | 23 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 06 50 06.0% | 43.316 | N | 8.159 | E | 10 | G | | 0.2 | 5 | CORSICA. ML 2.9 (LDG). |
| | 02 | 07 12 57.4& | 46.675 | N | 120.684 | W | 18 | | 3.9 | | 103 | WASHINGTON. <SEA-P>. ML 4.1 (SEA). Felt (V) at Selah and (IV) at Naches, Parker, Tieton, Waterville and Yakimo. Felt in Chelan, Douglas, Grant and Yakima Counties, Washington and in Hood River County, Oregon. |
| | 02 | 07 25 12.3& | 58.158 | N | 142.888 | W | 10 | G | | | 31 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 02 | 08 40 00.2& | 58.188 | N | 142.748 | W | 10 | G | | | 41 | GULF OF ALASKA. <AGS-P>. ML 3.8 (PMR). |
| | 02 | 09 02 24.2& | 46.679 | N | 120.673 | W | 18 | | | | 101 | WASHINGTON. <SEA-P>. ML 4.3 (SEA). Felt (IV) at Parker, Stratford, Tieton and Yakima; (III) at Monitor and Skykomish. |
| | 02 | 09 27 58.7* | 10.638 | S | 161.215 | E | 33 | N | 4.4 | 1.4 | 9 | SOLOMON ISLANDS |
| | 02 | 09 38 58.6* | 37.323 | N | 29.468 | E | 10 | G | | 1.1 | 5 | TURKEY |
| | 02 | 09 51 08.2* | 37.319 | N | 29.507 | E | 33 | N | | 0.6 | 5 | TURKEY |
| | 02 | 10 10 24.6* | 7.173 | S | 128.748 | E | 145 | ? | 4.8 | 1.5 | 17 | BANDA SEA |
| | 02 | 10 52 36.0& | 58.735 | N | 142.696 | W | 10 | G | | | 20 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 11 14 55.8& | 37.035 | N | 121.450 | W | 7 | | | | 20 | CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=7.4*10**14 Nm (BRK). Felt (IV) at Gilroy and (III) at San Martin. Also felt at Morgan Hill. |
| | 02 | 12 17 04.2 | 39.024 | N | 23.473 | E | 13 | | | 0.9 | 19 | AEGEAN SEA. ML 3.4 (ATH), 3.3 (THE). |
| | 02 | 12 20 35.8? | 39.61 | N | 29.30 | E | 10 | G | | 1.0 | 4 | TURKEY |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 02 | 13 | 46 | 04.4% | 61.115 | N | 9.909 | E | 10 | G | | 0.9 | 6 | SOUTHERN NORWAY. MD 2.2 (BER). |
| | 02 | 14 | 01 | 46.1& | 58.039 | N | 144.034 | W | 10 | G | | | 32 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 14 | 16 | 07.0& | 58.839 | N | 142.829 | W | 10 | G | | | 27 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 14 | 22 | 43.7* | 28.748 | S | 177.036 | W | 66 | * | 4.9 | 1.0 | 30 | KERMADEC ISLANDS REGION |
| | 02 | 14 | 40 | 04.1? | 28.38 | S | 176.70 | W | 33 | N | 4.5 4.8 | 1.1 | 9 | KERMADEC ISLANDS REGION |
| | 02 | 15 | 29 | 02.3% | 11.732 | S | 76.727 | W | 33 | N | | 1.0 | 7 | PERU |
| | 02 | 15 | 46 | 33.6* | 4.739 | S | 136.548 | E | 33 | N | 4.4 | 1.1 | 7 | WEST IRIAN REGION |
| | 02 | 16 | 02 | 19.9& | 57.693 | N | 142.934 | W | 10 | G | | | 30 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 16 | 30 | 00.0& | 37.235 | N | 116.163 | W | 0 | | 4.1 | | 24 | SOUTHERN NEVADA. <DOE>. ML 4.0 (BRK). 37' 14' 04.75" N., 116' 09' 48.15" W., Surface Elev. 1953 m., Depth of Burial 300 m., Shot Time 163000.084, "MISSION CYBER," Nevada Test Site (Dept. of Energy). |
| | 02 | 16 | 56 | 30.5? | 43.06 | N | 18.98 | E | 10 | G | | 0.8 | 4 | YUGOSLAVIA. ML 2.1 (TTG). |
| | 02 | 17 | 14 | 12.2* | 11.144 | S | 76.062 | W | 80 | * | | 0.7 | 9 | PERU |
| | 02 | 17 | 35 | 16.5& | 58.175 | N | 142.695 | W | 10 | G | | | 40 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 02 | 17 | 53 | 10.6& | 58.028 | N | 143.044 | W | 10 | G | | | 26 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 17 | 54 | 36.5& | 58.077 | N | 143.030 | W | 10 | G | | | 18 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 17 | 54 | 57.6 | 38.240 | N | 20.288 | E | 10 | G | | 0.8 | 13 | GREECE. ML 3.7 (ATH). |
| | 02 | 18 | 31 | 41.9* | 14.610 | S | 73.843 | W | 33 | N | | 0.5 | 7 | PERU |
| | 02 | 18 | 55 | 05.4& | 31.820 | N | 115.970 | W | 6 | G | | | 3 | BAJA CALIFORNIA. <PAS-P>. ML 3.0 (PAS). |
| | 02 | 20 | 30 | 12.6* | 19.673 | N | 109.265 | W | 10 | G | 4.5 4.4 | 1.0 | 25 | REVILLA GIGEDO ISLANDS REGION |
| | 02 | 20 | 31 | 16.6& | 31.730 | N | 115.830 | W | 6 | G | | | 5 | BAJA CALIFORNIA. <PAS-P>. ML 3.3 (PAS). |
| | 02 | 20 | 59 | 26.9& | 58.069 | N | 143.195 | W | 10 | G | | | 25 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 21 | 03 | 19.2& | 31.800 | N | 115.840 | W | 6 | G | | | 4 | BAJA CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| | 02 | 21 | 11 | 03.1& | 58.953 | N | 142.870 | W | 10 | G | | | 28 | GULF OF ALASKA. <AGS-P>. |
| | 02 | 21 | 50 | 06.2& | 58.982 | N | 142.760 | W | 10 | G | 4.5 | | 86 | GULF OF ALASKA. <AGS-P>. ML 4.7 (PMR). |
| | 02 | 22 | 08 | 41.1* | 36.412 | N | 28.101 | E | 10 | G | | 0.7 | 6 | DODECANESE ISLANDS. MD 3.6 (ATH). |
| | 02 | 23 | 56 | 02.4& | 40.112 | N | 122.783 | W | 2 | | | | 8 | NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). |
| | 03 | 00 | 00 | 43.7& | 40.108 | N | 122.777 | W | 5 | G | | | 16 | NORTHERN CALIFORNIA. <BRK>. ML 3.4 (BRK). |
| | 03 | 00 | 18 | 53.8& | 40.178 | N | 122.690 | W | 20 | | | | 10 | NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). |
| | 03 | 00 | 29 | 47.5% | 5.513 | N | 0.260 | W | 33 | N | | 0.6 | 5 | NORTHWEST AFRICA |
| | 03 | 01 | 29 | 05.5& | 58.096 | N | 142.894 | W | 10 | G | 4.3 | | 45 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 03 | 02 | 56 | 29.0 | 42.021 | N | 19.246 | E | 10 | G | | 0.6 | 6 | YUGOSLAVIA. ML 2.2 (TTG). |
| | 03 | 03 | 22 | 31.6? | 15.99 | N | 60.36 | W | 10 | G | | 0.3 | 5 | LEEWARD ISLANDS. ML 2.6 (FDF). |
| | 03 | 04 | 00 | 20.9 | 52.925 | N | 175.041 | W | 231 | | 4.7 | 0.9 | 132 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| | 03 | 04 | 01 | 24.4* | 42.048 | N | 19.353 | E | 10 | G | | 0.4 | 5 | YUGOSLAVIA. ML 2.2 (TTG). |
| | 03 | 04 | 05 | 14.6& | 58.496 | N | 142.742 | W | 10 | G | | | 25 | GULF OF ALASKA. <AGS-P>. |
| | 03 | 04 | 43 | 44.2& | 58.534 | N | 142.777 | W | 10 | G | 4.3 | | 40 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 03 | 05 | 09 | 10.9* | 41.971 | N | 19.253 | E | 10 | G | | 1.3 | 5 | ALBANIA. ML 2.0 (TTG). |
| | 03 | 05 | 58 | 16.4% | 12.037 | S | 76.097 | W | 33 | N | | 1.0 | 6 | NEAR COAST OF PERU |
| | 03 | 08 | 01 | 47.3* | 34.240 | N | 25.698 | E | 33 | N | 4.7 | 1.0 | 10 | CRETE |
| | 03 | 08 | 46 | 05.6* | 51.916 | N | 170.830 | W | 33 | N | 4.4 | 1.3 | 15 | FOX ISLANDS, ALEUTIAN ISLANDS |
| a | 03 | 09 | 20 | 18.2& | 58.514 | N | 142.664 | W | 10 | G | 5.1 4.8 | | 159 | GULF OF ALASKA. <AGS-P>. ML 5.0 (PMR). |
| | 03 | 10 | 31 | 54.4? | 37.73 | N | 26.89 | E | 10 | G | | 1.2 | 6 | DODECANESE ISLANDS |
| | 03 | 10 | 37 | 37.8% | 5.529 | N | 0.407 | W | 10 | G | | 0.1 | 7 | NORTHWEST AFRICA. MD 3.1 (KUK). |
| a | 03 | 11 | 04 | 38.6 | 21.380 | S | 68.215 | W | 117 | D | 5.5 | 0.8 | 186 | CHILE-BOLIVIA BORDER REGION |
| | 03 | 11 | 56 | 41.3? | 50.62 | N | 19.57 | E | 10 | G | | 1.1 | 6 | POLAND. ML 3.3 (KRA). |
| | 03 | 12 | 06 | 11.0* | 18.015 | N | 100.583 | W | 94 | ? | 4.0 | 0.8 | 13 | GUERRERO, MEXICO |
| | 03 | 13 | 37 | 59.4? | 63.40 | N | 151.55 | W | 33 | N | | 1.3 | 4 | CENTRAL ALASKA. ML 2.9 (PMR). |
| | 03 | 13 | 45 | 57.9& | 33.000 | N | 115.790 | W | 4 | | | | 6 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 03 | 14 | 06 | 07.9& | 58.327 | N | 154.413 | W | 91 | | | | 39 | ALASKA PENINSULA. <AGS-P>. |
| | 03 | 14 | 29 | 48.6? | 7.07 | S | 129.19 | E | 237 | ? | 4.2 | 0.5 | 5 | BANDA SEA |
| | 03 | 15 | 22 | 20.2& | 58.260 | N | 141.614 | W | 10 | G | | | 23 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. |
| | 03 | 15 | 29 | 22.7 | 34.398 | N | 25.204 | E | 10 | G | | 1.2 | 17 | CRETE |
| | 03 | 16 | 13 | 08.6 | 3.586 | N | 126.816 | E | 71 | * | 5.0 | 1.2 | 55 | TALAUD ISLANDS |
| | 03 | 16 | 13 | 25.2& | 58.244 | N | 142.764 | W | 10 | G | | | 34 | GULF OF ALASKA. <AGS-P>. |
| | 03 | 16 | 59 | 07.9& | 61.718 | N | 149.507 | W | 38 | G | | | 32 | SOUTHERN ALASKA. <AGS-P>. |
| | 03 | 17 | 41 | 34.9& | 58.538 | N | 151.497 | W | 72 | | 4.4 | | 42 | KODIAK ISLAND REGION. <AGS-P>. |
| | 03 | 17 | 45 | 20.1? | 3.38 | S | 127.69 | E | 10 | G | 4.1 | 0.2 | 5 | CERAM. Felt (II) at Ambon. |
| | 03 | 18 | 04 | 35.1 | 49.156 | N | 128.772 | W | 10 | G | 4.7 | 1.0 | 35 | VANCOUVER ISLAND REGION |
| | 03 | 18 | 15 | 50.6 | 15.525 | N | 80.246 | E | 33 | N | 4.6 | 0.9 | 10 | INDIA |
| | 03 | 18 | 49 | 25.4? | 19.81 | S | 68.53 | W | 179 | ? | | 0.8 | 11 | CHILE-BOLIVIA BORDER REGION |
| | 03 | 19 | 04 | 36.5& | 33.010 | N | 115.870 | W | 2 | | | | 16 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.8 (PAS). Felt (IV) at Imperial and (III) at Ocotillo. |
| | 03 | 19 | 20 | 14.2? | 16.95 | S | 73.11 | W | 33 | N | | 1.0 | 9 | NEAR COAST OF PERU |
| | 03 | 19 | 34 | 28.8 | 46.146 | N | 12.395 | E | 9 | | | 1.0 | 18 | NORTHERN ITALY. ML 2.7 (TRI), 2.6 (KBA). |
| | 03 | 19 | 36 | 29.7 | 37.846 | N | 116.147 | W | 5 | G | | 0.3 | 28 | SOUTHERN NEVADA. MD 3.1 (REN). |
| | 03 | 20 | 07 | 09.1? | 7.33 | S | 128.40 | E | 162 | ? | 4.8 | 1.2 | 9 | BANDA SEA |
| | 03 | 20 | 17 | 50.6& | 59.746 | N | 150.610 | W | 56 | | | | 33 | KENAI PENINSULA, ALASKA. <AGS-P>. |
| | 03 | 21 | 43 | 34.6 | 44.099 | N | 7.125 | E | 10 | G | | 0.6 | 7 | NORTHERN ITALY. ML 2.2 (LDG). |
| | 03 | 23 | 31 | 49.7& | 58.777 | N | 142.864 | W | 10 | G | 4.2 | | 53 | GULF OF ALASKA. <AGS-P>. |
| | 03 | 23 | 51 | 42.9* | 39.543 | N | 77.550 | E | 35 | * | 4.9 | 1.2 | 13 | SOUTHERN XINJIANG, CHINA |
| | 04 | 00 | 09 | 44.0& | 58.852 | N | 142.931 | W | 10 | G | | | 15 | GULF OF ALASKA. <AGS-P>. |
| | 04 | 01 | 08 | 58.0* | 1.255 | S | 120.625 | E | 66 | * | 4.1 | 0.7 | 12 | SULAWESI |
| | 04 | 01 | 35 | 03.0* | 18.318 | N | 145.775 | E | 150 | * | 4.3 | 0.8 | 16 | MARIANA ISLANDS |
| | 04 | 01 | 40 | 43.6* | 38.954 | N | 20.574 | E | 10 | G | | 0.9 | 5 | GREECE. MD 3.4 (ATH). |
| | 04 | 02 | 15 | 41.8& | 58.428 | N | 142.556 | W | 10 | G | 4.3 | | 47 | GULF OF ALASKA. <AGS-P>. ML 4.5 (PMR). |
| | 04 | 02 | 49 | 01.3& | 59.044 | N | 142.781 | W | 10 | G | | | 15 | GULF OF ALASKA. <AGS-P>. |
| | 04 | 03 | 29 | 44.0& | 58.476 | N | 142.574 | W | 10 | G | | | 18 | GULF OF ALASKA. <AGS-P>. |
| | 04 | 04 | 02 | 31.7? | 21.36 | S | 67.26 | W | 278 | ? | | 0.3 | 5 | CHILE-BOLIVIA BORDER REGION |
| | 04 | 04 | 04 | 35.1& | 59.872 | N | 153.422 | W | 117 | | | | 34 | SOUTHERN ALASKA. <AGS-P>. |
| | 04 | 04 | 53 | 43.2? | 13.06 | N | 104.04 | W | 10 | G | 4.1 | 1.3 | 8 | OFF COAST OF MEXICO |
| | 04 | 05 | 23 | 54.0& | 32.990 | N | 115.810 | W | 3 | | | | 8 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS). |
| | 04 | 07 | 22 | 14.2* | 4.399 | S | 130.821 | E | 33 | N | 4.3 | 1.0 | 8 | BANDA SEA |
| | 04 | 08 | 56 | 59.6& | 33.010 | N | 115.870 | W | 2 | | | | 7 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 04 | 09 | 14 | 37.5& | 58.094 | N | 142.950 | W | 10 | G | 4.3 | | 42 | GULF OF ALASKA. <AGS-P>. ML 4.4 (PMR). |
| | 04 | 09 | 41 | 56.1& | 60.220 | N | 141.834 | W | 11 | G | | | 16 | SOUTHEASTERN ALASKA. <AGS-P>. |
| | 04 | 11 | 49 | 42.4? | 1.47 | S | 137.86 | E | 33 | N | 4.6 | 1.5 | 5 | NEAR N. COAST OF WEST IRIAN |
| | 04 | 12 | 47 | 30.5% | 45.153 | N | 6.819 | E | 10 | G | | 0.2 | 6 | FRANCE. ML 2.4 (LDG). |
| | 04 | 12 | 55 | 42.3% | 60.858 | N | 4.630 | E | 10 | G | | 0.1 | 5 | SOUTHERN NORWAY. MD 2.3 (BER). |
| | 04 | 13 | 04 | 02.0* | 60.217 | N | 5.582 | E | 10 | G | | 1.3 | 5 | SOUTHERN NORWAY. MD 2.2 (BER). |
| | 04 | 13 | 15 | 53.5 | 17.654 | S | 120.614 | E | 10 | G | 4.5 | 1.1 | 15 | NORTHWEST OF AUSTRALIA |
| | 04 | 13 | 44 | 56.4* | 51.214 | N | 175.373 | W | 33 | N | 4.6 | 0.4 | 7 | ANDREANOF ISLANDS, ALEUTIAN IS. |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 04 | 14 | 28 | 11 | 4& | 58.202 | N | 142.984 | W | 10 | G | | | 20 | GULF OF ALASKA. <AGS-P>. |
| | 04 | 14 | 45 | 12.7 | | 45.845 | N | 10.610 | E | 16 | | | 1.2 | 79 | NORTHERN ITALY. ML 4.8 (GRF), 4.4 (FUR), 4.1 (LDG), 3.8 (TRI). |
| | 04 | 14 | 58 | 28.7& | | 60.226 | N | 151.186 | W | 55 | | | | 33 | KENAI PENINSULA, ALASKA. <AGS-P>. |
| | 04 | 17 | 18 | 00.7% | | 46.103 | N | 8.196 | E | 10 | G | | 0.9 | 9 | SWITZERLAND |
| | 04 | 19 | 29 | 29.1* | | 5.238 | S | 134.111 | E | 33 | N | | 1.4 | 6 | AROE ISLANDS REGION |
| f | 04 | 19 | 51 | 35.7 | | 5.777 | S | 154.555 | E | 145 | G | 5.9 | 1.0 | 235 | SOLOMON ISLANDS. Felt (IV) in the Arawa-Panguna area, Bougainville. Felt (III) at Rabaul, New Britain. Two events about 3.5 seconds apart. Depth from broadband displacement seismograms, based on first event. |
| | 04 | 20 | 06 | 33.7& | | 60.456 | N | 151.695 | W | 68 | | | | 30 | KENAI PENINSULA, ALASKA. <AGS-P>. |
| | 04 | 20 | 10 | 39.7? | | 36.72 | N | 4.97 | W | 10 | G | | 1.3 | 7 | STRAIT OF GIBRALTAR |
| | 04 | 20 | 18 | 10.7& | | 32.990 | N | 115.840 | W | 6 | G | | | 6 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS). |
| | 04 | 20 | 37 | 55.9? | | 15.96 | S | 174.62 | W | 241 | ? | 4.9 | 0.6 | 14 | TONGA ISLANDS |
| | 04 | 20 | 54 | 55.7? | | 28.80 | S | 71.99 | W | 33 | N | | 1.4 | 8 | NEAR COAST OF CENTRAL CHILE |
| | 04 | 21 | 23 | 35.7& | | 57.742 | N | 142.612 | W | 10 | G | | | 25 | GULF OF ALASKA. <AGS-P>. |
| | 04 | 21 | 31 | 43.3? | | 40.28 | N | 27.42 | E | 10 | G | | 0.8 | 5 | TURKEY |
| | 04 | 21 | 54 | 35.9 | | 47.521 | N | 6.127 | E | 10 | G | | 0.6 | 6 | FRANCE. ML 2.2 (LDG). |
| | 04 | 22 | 58 | 48.2* | | 43.270 | N | 18.876 | E | 10 | G | | 0.8 | 5 | YUGOSLAVIA. ML 2.3 (TTG). |
| | 04 | 23 | 00 | 09.2& | | 57.788 | N | 142.927 | W | 10 | G | | | 31 | GULF OF ALASKA. <AGS-P>. |
| | 05 | 00 | 10 | 07.6& | | 58.139 | N | 143.060 | W | 10 | G | | | 28 | GULF OF ALASKA. <AGS-P>. |
| | 05 | 01 | 16 | 46.4 | | 52.110 | N | 115.076 | W | 5 | G | | 0.5 | 8 | ALBERTA PROVINCE, CANADA. mbLg 3.5 (PGC). |
| | 05 | 01 | 33 | 53.8& | | 58.257 | N | 142.192 | W | 10 | G | 4.3 | | 47 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 05 | 02 | 28 | 07.7 | | 34.615 | N | 23.992 | E | 41 | * | 4.4 | 1.1 | 37 | CRETE. ML 3.9 (ATH). |
| | 05 | 02 | 59 | 19.9 | | 6.918 | S | 147.999 | E | 59 | * | 4.7 | 1.2 | 34 | EAST PAPUA NEW GUINEA REGION |
| | 05 | 03 | 12 | 36.2& | | 58.420 | N | 144.325 | W | 10 | G | | | 14 | GULF OF ALASKA. <AGS-P>. |
| | 05 | 03 | 22 | 28.4* | | 8.957 | N | 39.602 | W | 10 | G | 4.8 4.2 | 1.3 | 22 | CENTRAL MID-ATLANTIC RIDGE |
| | 05 | 03 | 38 | 42.7 | | 9.079 | S | 5.112 | W | 10 | G | 4.7 | 0.7 | 17 | SOUTH ATLANTIC OCEAN |
| | 05 | 04 | 59 | 18.7& | | 58.834 | N | 142.802 | W | 10 | G | | | 40 | GULF OF ALASKA. <AGS-P>. ML 4.2 (PMR). |
| | 05 | 05 | 35 | 54.6% | | 39.497 | N | 28.344 | E | 10 | G | | 0.4 | 5 | TURKEY |
| | 05 | 06 | 00 | 26.4? | | 15.07 | N | 60.79 | W | 33 | N | | 0.1 | 4 | LEEWARD ISLANDS. ML 2.1 (FDF). |
| | 05 | 06 | 28 | 45.0 | | 46.673 | N | 152.638 | E | 33 | N | 4.9 | 0.8 | 48 | KURIL ISLANDS |
| | 05 | 06 | 49 | 07.0* | | 42.703 | N | 142.433 | E | 105 | | 4.1 | 0.8 | 12 | HOKKAIDO, JAPAN REGION. Felt (I JMA) at Kushiro and Urokawa. |
| | 05 | 07 | 10 | 54.5& | | 57.545 | N | 143.163 | W | 10 | G | | | 45 | GULF OF ALASKA. <AGS-P>. |
| | 05 | 07 | 15 | 30.9? | | 21.06 | S | 172.69 | E | 33 | N | 4.9 | 1.3 | 8 | LOYALTY ISLANDS REGION |
| | 05 | 07 | 17 | 14.0% | | 42.920 | N | 18.185 | E | 10 | G | | 0.5 | 8 | YUGOSLAVIA. ML 2.5 (TTG). |
| | 05 | 07 | 57 | 28.4? | | 16.69 | N | 61.09 | W | 33 | N | | 0.1 | 4 | LEEWARD ISLANDS. ML 2.2 (FDF). |
| | 05 | 08 | 26 | 42.9* | | 33.537 | N | 49.122 | E | 10 | G | 4.4 | 1.2 | 5 | WESTERN IRAN. Felt in the Aligudorz-Do Rud area. |
| | 05 | 08 | 38 | 41.8 | | 51.146 | N | 178.396 | E | 33 | N | 4.9 | 0.8 | 45 | RAT ISLANDS, ALEUTIAN ISLANDS |
| | 05 | 09 | 29 | 49.3* | | 41.311 | N | 19.622 | E | 10 | G | | 1.1 | 10 | ALBANIA. ML 2.4 (TTG). |
| | 05 | 10 | 05 | 16.5* | | 38.385 | N | 14.669 | E | 10 | G | | 0.4 | 5 | SICILY |
| | 05 | 10 | 16 | 28.0 | | 41.741 | N | 22.895 | E | 10 | G | | 0.3 | 6 | YUGOSLAVIA. ML 1.8 (SKO). |
| | 05 | 10 | 22 | 57.6 | | 53.385 | N | 1.967 | W | 10 | G | | 1.2 | 9 | UNITED KINGDOM. ML 2.6 (BGS). Felt (IV) at Oldham, Ashton, Mossley, Stalybridge, Mottram, Hyde and Glossup. |
| | 05 | 10 | 28 | 44.6* | | 41.603 | N | 23.000 | E | 10 | G | | 0.9 | 7 | YUGOSLAVIA. ML 2.5 (THE), 1.8 (SKO). |
| | 05 | 10 | 32 | 55.9 | | 38.357 | N | 31.233 | E | 10 | G | | 0.7 | 9 | TURKEY |
| | 05 | 11 | 47 | 13.3 | | 6.830 | S | 129.941 | E | 119 | ? | 5.1 | 1.2 | 40 | BANDA SEA |
| | 05 | 12 | 18 | 41.4* | | 53.510 | N | 167.170 | W | 33 | N | | 1.3 | 13 | FOX ISLANDS, ALEUTIAN ISLANDS. ML 4.6 (PMR). |
| | 05 | 13 | 26 | 21.8? | | 21.29 | S | 169.08 | E | 67 | ? | 4.2 | 0.6 | 6 | LOYALTY ISLANDS REGION |
| | 05 | 13 | 44 | 20.1* | | 42.750 | N | 19.154 | E | 10 | G | | 0.3 | 5 | YUGOSLAVIA. MD 2.3 (TTG). |
| | 05 | 14 | 46 | 51.5* | | 6.498 | S | 130.032 | E | 168 | ? | 4.5 | 1.6 | 18 | BANDA SEA |
| | 05 | 15 | 27 | 15.4* | | 15.997 | N | 94.142 | W | 33 | N | 4.6 | 0.9 | 19 | NEAR COAST OF OAXACA, MEXICO |
| | 05 | 17 | 24 | 01.7* | | 28.826 | S | 68.290 | W | 151 | ? | | 1.3 | 8 | LA RIOJA PROVINCE, ARGENTINA |
| | 05 | 17 | 32 | 50.5 | | 44.318 | N | 7.286 | E | 10 | G | | 0.7 | 7 | NORTHERN ITALY. ML 2.3 (LDG). |
| | 05 | 18 | 03 | 08.9? | | 48.99 | N | 6.72 | E | 10 | G | | 1.2 | 5 | FRANCE. mbLg 2.4 (DOU). |
| | 05 | 18 | 19 | 10.5 | | 53.654 | N | 163.523 | W | 33 | N | 4.9 | 0.8 | 81 | UNIMAK ISLAND REGION. ML 4.5 (PMR). |
| | 05 | 18 | 50 | 33.6? | | 38.36 | N | 0.90 | E | 10 | G | | 0.7 | 7 | SPAIN |
| | 05 | 19 | 34 | 00.8* | | 39.975 | N | 20.284 | E | 10 | G | | 1.0 | 7 | GREECE-ALBANIA BORDER REGION. MD 2.9 (ATH). |
| | 05 | 20 | 10 | 22.8& | | 58.968 | N | 142.890 | W | 10 | G | 4.2 | | 47 | GULF OF ALASKA. <AGS-P>. ML 4.3 (PMR). |
| | 05 | 20 | 15 | 38.0 | | 42.340 | N | 20.081 | E | 10 | G | | 0.7 | 6 | YUGOSLAVIA. ML 2.4 (TTG), 2.3 (SKO). |
| | 05 | 20 | 36 | 29.3& | | 35.490 | N | 118.290 | W | 9 | | | | 7 | CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 05 | 21 | 10 | 52.0* | | 5.685 | S | 149.430 | E | 151 | * | 4.5 | 0.8 | 12 | NEW BRITAIN REGION |
| | 05 | 21 | 48 | 46.0* | | 9.401 | S | 148.287 | E | 23 | | 4.9 | 1.0 | 17 | EAST PAPUA NEW GUINEA REGION |
| | 05 | 22 | 06 | 54.7? | | 29.76 | S | 70.25 | W | 33 | N | | 0.6 | 6 | CENTRAL CHILE |
| | 05 | 23 | 28 | 19.1& | | 58.103 | N | 144.057 | W | 10 | G | | | 18 | GULF OF ALASKA. <AGS-P>. |
| | 06 | 00 | 08 | 54.4* | | 44.130 | N | 20.732 | E | 10 | G | | 1.1 | 7 | YUGOSLAVIA |
| | 06 | 00 | 23 | 22.0* | | 56.362 | S | 26.938 | W | 33 | N | 5.1 5.1 | 0.8 | 14 | SOUTH SANDWICH ISLANDS REGION |
| | 06 | 00 | 35 | 55.1* | | 38.801 | N | 16.651 | E | 33 | N | | 0.6 | 6 | SOUTHERN ITALY |
| | 06 | 00 | 47 | 30.5? | | 26.00 | S | 68.08 | W | 288 | ? | | 1.2 | 7 | CHILE-ARGENTINA BORDER REGION |
| | 06 | 00 | 48 | 14.9 | | 44.311 | N | 11.161 | E | 10 | G | | 0.6 | 10 | NORTHERN ITALY |
| a | 06 | 00 | 48 | 23.6 | | 3.681 | N | 125.422 | E | 39 | * | 5.3 | 1.2 | 66 | TALAUD ISLANDS |
| | 06 | 01 | 10 | 05.8? | | 39.63 | N | 23.72 | E | 10 | G | | 0.3 | 6 | AEGEAN SEA. ML 2.1 (THE). |
| | 06 | 01 | 55 | 30.2 | | 50.675 | N | 19.352 | E | 10 | G | | 0.7 | 6 | POLAND. ML 2.9 (KRA). |
| | 06 | 02 | 32 | 02.2& | | 58.124 | N | 142.689 | W | 10 | G | 4.2 | | 48 | GULF OF ALASKA. <AGS-P>. ML 4.0 (PMR). |
| | 06 | 02 | 36 | 16.4* | | 23.995 | N | 121.811 | E | 43 | * | 4.0 | 1.4 | 13 | TAIWAN |
| | 06 | 03 | 03 | 53.0 | | 40.351 | N | 24.015 | E | 10 | G | | 0.6 | 10 | AEGEAN SEA. ML 2.4 (THE). |
| | 06 | 03 | 24 | 30.1 | | 23.842 | S | 179.922 | W | 507 | * | 5.0 | 0.8 | 63 | SOUTH OF FIJI ISLANDS |
| | 06 | 03 | 47 | 08.8% | | 45.157 | N | 3.278 | E | 10 | G | | 0.9 | 8 | FRANCE. ML 2.4 (LDG). |
| | 06 | 04 | 07 | 38.3 | | 1.630 | S | 149.763 | E | 59 | | 5.3 | 0.9 | 90 | NEW IRELAND REGION |
| | 06 | 05 | 09 | 42.3% | | 38.860 | N | 31.425 | E | 10 | G | | 1.3 | 8 | TURKEY |
| | 06 | 06 | 01 | 46.6? | | 31.18 | S | 68.88 | W | 127 | ? | | 0.3 | 5 | SAN JUAN PROVINCE, ARGENTINA |
| | 06 | 07 | 52 | 15.6* | | 56.117 | S | 26.704 | W | 60 | D | 5.1 | 1.1 | 24 | SOUTH SANDWICH ISLANDS REGION |
| | 06 | 08 | 39 | 24.0* | | 13.649 | N | 90.756 | W | 72 | | 4.5 | 1.1 | 32 | NEAR COAST OF GUATEMALA |
| | 06 | 08 | 56 | 04.8* | | 37.876 | N | 21.096 | E | 10 | G | | 1.0 | 5 | SOUTHERN GREECE. ML 3.5 (ATH). |
| | 06 | 09 | 00 | 42.9? | | 23.71 | N | 121.66 | E | 48 | * | 4.2 | 1.5 | 10 | TAIWAN |
| | 06 | 09 | 24 | 20.7* | | 13.504 | S | 167.485 | E | 33 | N | 4.5 4.7 | 1.3 | 23 | VANUATU ISLANDS |
| | 06 | 10 | 37 | 52.0& | | 40.373 | N | 124.372 | W | 22 | | | | 6 | NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.1 (BRK). Felt at Ferndale. |
| | 06 | 12 | 19 | 32.0* | | 31.401 | S | 67.755 | W | 21 | * | | 0.2 | 6 | SAN JUAN PROVINCE, ARGENTINA |
| | 06 | 12 | 22 | 50.9& | | 61.704 | N | 151.055 | W | 75 | | | | 42 | SOUTHERN ALASKA. <AGS-P>. |
| | 06 | 15 | 44 | 21.1* | | 39.936 | N | 24.554 | E | 10 | G | | 0.7 | 9 | AEGEAN SEA. ML 2.8 (THE). |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 06 | 15 | 50 | 49.6 | 38.291 | N | 28.441 | E | 10 | G | | 1.0 | 10 | TURKEY |
| | 06 | 16 | 20 | 44.9 | 37.394 | N | 94.519 | E | 33 | N | 4.7 | 1.2 | 21 | QINGHAI PROVINCE, CHINA |
| | 06 | 17 | 15 | 11.7* | 4.057 | N | 82.608 | W | 10 | G | 4.4 | 1.4 | 14 | SOUTH OF PANAMA |
| | 06 | 17 | 24 | 38.6 | 42.311 | N | 19.933 | E | 10 | G | | 0.5 | 8 | YUGOSLAVIA. ML 2.3 (TTG). |
| | 06 | 17 | 43 | 48.2& | 34.664 | N | 97.394 | W | 5 | G | | | 8 | OKLAHOMA. <TUL>. mbLg 2.6 (TUL). |
| a | 06 | 18 | 16 | 34.4 | 54.567 | N | 161.438 | E | 35 | D | 5.4 4.2 | 0.9 | 155 | NEAR EAST COAST OF KAMCHATKA |
| | 06 | 18 | 54 | 06.5 | 3.887 | N | 126.656 | E | 70 | ? | 4.4 | 1.2 | 35 | TALAUD ISLANDS |
| | 06 | 19 | 01 | 45.0? | 16.73 | N | 61.19 | W | 33 | N | | 0.4 | 5 | LEEWARD ISLANDS. ML 2.8 (FDF). |
| | 06 | 19 | 14 | 59.7? | 8.41 | S | 124.09 | E | 160 | ? | 4.7 | 0.9 | 6 | TIMOR |
| | 06 | 20 | 18 | 59.1 | 30.801 | S | 71.796 | W | 67 | * | 5.1 | 1.1 | 49 | NEAR COAST OF CENTRAL CHILE |
| | 06 | 20 | 33 | 24.5& | 59.599 | N | 152.495 | W | 86 | | | | 26 | SOUTHERN ALASKA. <AGS-P>. |
| | 06 | 21 | 46 | 04.1 | 15.600 | S | 167.676 | E | 137 | * | 4.8 | 1.0 | 78 | VANUATU ISLANDS |
| | 06 | 22 | 37 | 22.4? | 31.24 | S | 109.88 | E | 33 | N | | 1.0 | 6 | WEST OF AUSTRALIA |
| a | 07 | 00 | 00 | 15.0 | 16.613 | S | 172.613 | W | 33 | N | 5.3 5.3 | 1.0 | 87 | SAMOA ISLANDS REGION |
| | 07 | 00 | 07 | 32.5 | 37.956 | N | 42.879 | E | 33 | N | 4.7 4.1 | 1.0 | 79 | TURKEY. Felt strongly in parts of Van Province. |
| | 07 | 00 | 44 | 01.0& | 34.581 | N | 97.348 | W | 5 | G | | | 5 | OKLAHOMA. <TUL>. MD 2.0 (TUL). |
| | 07 | 01 | 13 | 03.1 | 42.383 | N | 20.082 | E | 10 | G | | 1.1 | 9 | YUGOSLAVIA. MD 2.6 (TTG). |
| | 07 | 01 | 34 | 18.2 | 2.386 | N | 79.146 | W | 10 | G | 4.6 | 1.1 | 23 | SOUTH OF PANAMA |
| | 07 | 01 | 57 | 18.2 | 36.643 | N | 21.600 | E | 48 | | 4.4 3.6 | 1.1 | 89 | SOUTHERN GREECE. Felt throughout Messinia Province. |
| | 07 | 02 | 26 | 25.4 | 38.336 | N | 22.275 | E | 10 | G | 4.3 | 1.2 | 42 | GREECE. ML 3.9 (SKO), 3.5 (ATH). Felt at Aiyion. |
| | 07 | 02 | 56 | 05.2* | 38.595 | N | 27.757 | E | 10 | G | | 1.0 | 5 | TURKEY |
| | 07 | 05 | 11 | 19.7& | 58.511 | N | 142.792 | W | 10 | G | | | 28 | GULF OF ALASKA. <AGS-P>. |
| | 07 | 05 | 21 | 44.2? | 17.17 | S | 178.70 | W | 590 | * | 4.5 | 0.4 | 14 | FIJI ISLANDS REGION |
| | 07 | 05 | 53 | 58.7 | 49.389 | N | 127.688 | W | 10 | G | 4.7 | 1.1 | 55 | VANCOUVER ISLAND REGION |
| | 07 | 06 | 46 | 58.9? | 16.92 | N | 60.96 | W | 33 | N | | 0.1 | 5 | LEEWARD ISLANDS. ML 3.6 (FDF). |
| | 07 | 07 | 40 | 20.7? | 36.47 | N | 140.95 | E | 33 | N | | 0.3 | 4 | NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mita. |
| | 07 | 08 | 02 | 15.8& | 40.323 | N | 124.567 | W | 10 | | | | 6 | NEAR COAST OF NORTHERN CALIF. <BRK>. ML 3.2 (BRK). |
| | 07 | 08 | 20 | 16.8 | 42.366 | N | 19.990 | E | 5 | G | | 0.6 | 12 | YUGOSLAVIA. ML 2.6 (TTG). |
| | 07 | 09 | 23 | 32.3& | 58.423 | N | 142.750 | W | 10 | G | | | 37 | GULF OF ALASKA. <AGS-P>. ML 4.1 (PMR). |
| | 07 | 09 | 25 | 29.6 | 64.120 | N | 148.405 | W | 122 | | 4.4 | 0.9 | 17 | CENTRAL ALASKA |
| | 07 | 09 | 51 | 35.4 | 17.130 | N | 62.713 | W | 156 | | 4.2 | 0.4 | 13 | LEEWARD ISLANDS |
| | 07 | 09 | 52 | 36.2 | 37.670 | N | 142.275 | E | 42 | * | 4.8 | 1.0 | 37 | OFF EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Sendai and Fukushima. |
| | 07 | 10 | 54 | 35.4? | 37.99 | S | 149.43 | E | 10 | G | | 0.2 | 5 | NEAR S.E. COAST OF AUSTRALIA. ML 3.4 (CNB), 3.0 (TOO). |
| | 07 | 11 | 39 | 25.9 | 25.357 | N | 124.149 | E | 183 | | 4.4 | 0.9 | 37 | NORTHEAST OF TAIWAN |
| a | 07 | 12 | 26 | 11.7 | 13.632 | S | 167.393 | E | 48 | | 5.7 6.2 | 1.0 | 201 | VANUATU ISLANDS. Ms 6.7 (BRK). |
| | 07 | 12 | 49 | 55.3 | 13.378 | S | 167.363 | E | 33 | N | 4.8 | 1.0 | 65 | VANUATU ISLANDS |
| | 07 | 13 | 07 | 28.4? | 13.91 | S | 167.44 | E | 33 | N | 4.1 | 1.2 | 7 | VANUATU ISLANDS |
| a | 07 | 13 | 14 | 34.9 | 13.559 | S | 167.454 | E | 33 | N | 5.8 6.3 | 1.0 | 230 | VANUATU ISLANDS. Ms 6.7 (BRK). |
| | 07 | 13 | 34 | 48.2? | 13.24 | S | 168.00 | E | 33 | N | 4.7 | 0.7 | 10 | VANUATU ISLANDS |
| | 07 | 13 | 45 | 54.6& | 31.880 | N | 115.740 | W | 6 | G | | | 4 | BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 07 | 13 | 53 | 38.1* | 42.628 | N | 24.038 | E | 10 | G | | 0.9 | 5 | BULGARIA |
| | 07 | 14 | 20 | 16.3? | 12.77 | S | 168.86 | E | 33 | N | 4.3 | 1.0 | 8 | SANTA CRUZ ISLANDS REGION |
| | 07 | 14 | 46 | 46.8* | 39.454 | N | 16.741 | E | 33 | N | | 1.4 | 6 | SOUTHERN ITALY |
| | 07 | 16 | 22 | 33.4? | 27.77 | N | 96.68 | E | 33 | N | | 0.7 | 5 | BURMA-INDIA BORDER REGION |
| | 07 | 16 | 59 | 20.0* | 42.235 | N | 33.370 | E | 10 | G | | 1.5 | 6 | BLACK SEA |
| a | 07 | 17 | 48 | 15.6 | 43.512 | N | 127.251 | W | 10 | G | 5.0 4.6 | 1.1 | 87 | OFF COAST OF OREGON |
| | 07 | 18 | 55 | 07.8? | 23.74 | S | 142.87 | E | 10 | G | | 1.2 | 5 | QUEENSLAND, AUSTRALIA |
| a | 07 | 19 | 20 | 24.9 | 13.453 | S | 167.358 | E | 33 | N | 5.3 5.1 | 1.1 | 134 | VANUATU ISLANDS. Ms 5.4 (BRK). |
| | 07 | 19 | 26 | 09.3? | 9.47 | S | 123.51 | E | 33 | N | | 0.1 | 5 | TIMOR |
| | 07 | 19 | 46 | 24.2& | 62.081 | N | 150.892 | W | 63 | | | | 29 | CENTRAL ALASKA. <AGS-P>. |
| | 07 | 20 | 00 | 24.0? | 13.38 | S | 167.99 | E | 33 | N | 4.4 | 0.5 | 7 | VANUATU ISLANDS |
| | 07 | 22 | 16 | 59.0& | 58.434 | N | 141.628 | W | 10 | G | | | 21 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. |
| | 07 | 22 | 36 | 05.7 | 38.914 | N | 20.866 | E | 10 | G | | 0.8 | 12 | GREECE. ML 3.0 (THE). MD 3.3 (ATH). |
| | 07 | 23 | 22 | 34.0 | 40.690 | N | 29.047 | E | 10 | G | | 0.9 | 13 | TURKEY |
| | 08 | 01 | 42 | 40.3& | 36.055 | N | 98.024 | W | 5 | G | | | 23 | OKLAHOMA. <TUL>. mbLg 3.7 (TUL), 3.7 (NEIS). Felt (V) at Hennessey and Loyal; (IV) at Bison, Douglas, Dover, Hitchcock, Lahoma, Ringwood and Waukomis. Felt in Alfalfa, Blaine, Garfield, Grant, Kingfisher, Major and Woods Counties. |
| | 08 | 01 | 45 | 47.5& | 36.056 | N | 98.030 | W | 5 | G | | | 1 | OKLAHOMA. <TUL>. mbLg 2.5 (TUL). |
| | 08 | 01 | 46 | 33.6 | 42.495 | N | 145.197 | E | 47 | * | 4.9 | 1.1 | 38 | HOKKAIDO, JAPAN REGION. Felt (II JMA) at Kushiro and (I JMA) at Nemuro. |
| | 08 | 02 | 00 | 30.0* | 42.246 | N | 20.489 | E | 10 | G | | 1.1 | 8 | YUGOSLAVIA. ML 2.6 (TTG). |
| | 08 | 02 | 11 | 01.2 | 34.101 | N | 26.124 | E | 33 | N | 4.2 | 1.3 | 29 | CRETE. MD 3.9 (ATH). |
| | 08 | 04 | 20 | 47.3& | 58.120 | N | 142.709 | W | 10 | G | | | 25 | GULF OF ALASKA. <AGS-P>. |
| | 08 | 04 | 27 | 46.0* | 36.773 | N | 28.783 | E | 10 | G | | 0.8 | 5 | DODECANESE ISLANDS |
| | 08 | 05 | 12 | 34.6& | 58.638 | N | 142.863 | W | 10 | G | 4.8 | | 59 | GULF OF ALASKA. <AGS-P>. ML 5.2 (PMR). |
| | 08 | 05 | 49 | 10.1 | 34.517 | N | 134.876 | E | 400 | | 4.7 | 0.9 | 105 | NEAR S. COAST OF SOUTHERN HONSHU |
| | 08 | 06 | 36 | 05.8& | 33.000 | N | 115.830 | W | 2 | | | | 5 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 08 | 10 | 20 | 46.3* | 19.540 | S | 67.854 | W | 33 | N | | 1.3 | 6 | SOUTHERN BOLIVIA |
| | 08 | 10 | 39 | 13.3* | 35.127 | N | 72.732 | E | 33 | N | 4.4 | 0.5 | 11 | PAKISTAN |
| | 08 | 11 | 19 | 41.9* | 13.465 | S | 167.396 | E | 33 | N | 4.6 | 1.2 | 25 | VANUATU ISLANDS |
| | 08 | 11 | 35 | 20.4* | 39.737 | N | 24.676 | E | 10 | G | | 0.4 | 7 | AEGEAN SEA. ML 2.8 (THE). |
| | 08 | 11 | 37 | 21.2& | 60.317 | N | 150.830 | W | 62 | | | | 28 | KENAI PENINSULA, ALASKA. <AGS-P>. |
| | 08 | 11 | 40 | 45.5? | 38.98 | N | 25.38 | E | 31 | * | | 0.5 | 6 | AEGEAN SEA |
| | 08 | 12 | 54 | 29.1? | 18.21 | S | 178.31 | W | 512 | * | 4.6 | 0.8 | 16 | FIJI ISLANDS REGION |
| | 08 | 14 | 14 | 32.6& | 62.078 | N | 148.713 | W | 36 | | | | 36 | CENTRAL ALASKA. <AGS-P>. ML 3.5 (PMR). |
| | 08 | 14 | 33 | 34.7* | 33.384 | S | 178.527 | W | 33 | N | 4.8 | 1.1 | 18 | SOUTH OF KERMADEC ISLANDS |
| | 08 | 14 | 42 | 33.5% | 60.737 | N | 5.517 | E | 10 | G | | 0.5 | 6 | SOUTHERN NORWAY. MD 1.8 (BER). |
| a | 08 | 14 | 47 | 59.1 | 32.636 | S | 112.034 | W | 10 | G | 5.5 4.7 | 1.0 | 139 | EASTER ISLAND CORDILLERA |
| | 08 | 15 | 32 | 16.1& | 38.782 | N | 122.748 | W | 4 | | | | 17 | NORTHERN CALIFORNIA. <BRK>. ML 3.8 (BRK). Mo=3.0*10**14 Nm (BRK). |
| | 08 | 16 | 33 | 48.6 | 8.145 | N | 74.482 | W | 78 | * | 4.3 | 1.2 | 17 | NORTHERN COLOMBIA |
| | 08 | 16 | 46 | 56.5* | 30.095 | S | 67.967 | W | 33 | N | | 0.8 | 5 | SAN JUAN PROVINCE, ARGENTINA |
| | 08 | 16 | 50 | 50.5& | 32.650 | N | 115.440 | W | 6 | G | | | 3 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS). |
| | 08 | 17 | 21 | 22.0* | 12.287 | N | 125.434 | E | 33 | N | 4.7 | 0.7 | 11 | SAMAR, PHILIPPINE ISLANDS |
| | 08 | 17 | 22 | 36.4? | 32.01 | S | 68.99 | W | 33 | N | | 1.0 | 6 | MENDOZA PROVINCE, ARGENTINA |
| | 08 | 17 | 27 | 35.9* | 33.793 | S | 178.992 | W | 33 | N | 4.6 4.4 | 0.7 | 10 | SOUTH OF KERMADEC ISLANDS |
| | 08 | 17 | 43 | 35.1? | 15.38 | N | 60.39 | W | 29 | * | | 0.8 | 7 | LEEWARD ISLANDS. ML 2.4 (FDF). |
| | 08 | 18 | 09 | 23.5 | 34.128 | N | 60.969 | W | 10 | G | 5.0 | 1.2 | 34 | NORTH ATLANTIC OCEAN |
| | 08 | 18 | 10 | 18.5& | 32.390 | N | 115.300 | W | 6 | G | | | 3 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.1 (PAS). |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 08 | 18 17 40.6* | 21.988 | N | 142.755 | E | 263 | ? | 4.7 | | 0.8 | 22 | MARIANA ISLANDS REGION |
| | 08 | 18 36 11.8* | 9.735 | S | 118.985 | E | 33 | N | 4.0 | | 0.8 | 10 | SUMBAWA ISLAND REGION |
| | 08 | 18 45 33.2& | 33.000 | N | 115.860 | W | 2 | | | | | 7 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.4 (PAS). |
| a | 08 | 19 10 53.5 | 13.434 | S | 167.380 | E | 33 | N | 5.2 | | 1.0 | 108 | VANUATU ISLANDS |
| | 08 | 19 31 56.9 | 38.575 | N | 23.505 | E | 5 | G | | | 1.0 | 20 | GREECE. ML 3.5 (ATH), 3.4 (THE). |
| | 08 | 19 48 30.6 | 64.072 | N | 148.406 | W | 122 | * | 4.5 | | 0.9 | 16 | CENTRAL ALASKA |
| | 08 | 19 51 53.9* | 5.531 | S | 147.091 | E | 198 | | 4.7 | | 1.2 | 24 | EAST PAPUA NEW GUINEA REGION |
| a | 08 | 19 56 54.3 | 40.585 | S | 44.574 | E | 10 | G | 5.4 | 5.3 | 0.9 | 102 | ATLANTIC-INDIAN RISE |
| | 08 | 20 09 29.0 | 11.385 | S | 166.347 | E | 33 | N | 5.0 | 5.0 | 1.1 | 42 | SANTA CRUZ ISLANDS |
| | 08 | 20 42 13.5& | 58.903 | N | 142.606 | W | 10 | G | | | | 25 | GULF OF ALASKA. <AGS-P>. |
| | 08 | 22 53 53.6& | 63.219 | N | 149.333 | W | 56 | | | | | 35 | CENTRAL ALASKA. <AGS-P>. |
| | 08 | 23 25 49.1& | 58.166 | N | 143.326 | W | 10 | G | | | | 43 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 08 | 23 28 13.6* | 36.322 | N | 28.061 | E | 33 | N | | | 0.9 | 5 | DODECANESE ISLANDS |
| | 09 | 00 37 05.2 | 44.753 | N | 10.696 | E | 22 | | | | 1.1 | 41 | NORTHERN ITALY. ML 3.4 (LDG). MD 3.0 (FIR). |
| | 09 | 02 33 38.9 | 14.647 | S | 167.068 | E | 33 | N | 5.1 | | 1.1 | 53 | VANUATU ISLANDS |
| | 09 | 04 13 39.3& | 58.880 | N | 143.233 | W | 10 | G | | | | 37 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 09 | 04 31 53.6& | 37.243 | N | 121.655 | W | 4 | | | | | 11 | CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). |
| | 09 | 06 09 08.0& | 58.298 | N | 142.910 | W | 10 | G | | | | 29 | GULF OF ALASKA. <AGS-P>. |
| | 09 | 06 33 15.1 | 3.033 | N | 149.246 | E | 22 | D | 5.0 | 4.5 | 1.1 | 44 | CAROLINE ISLANDS REGION |
| | 09 | 07 02 40.1? | 13.30 | S | 168.26 | E | 33 | N | 4.4 | | 1.4 | 12 | VANUATU ISLANDS |
| | 09 | 07 13 53.1& | 58.094 | N | 142.588 | W | 10 | G | | | | 19 | GULF OF ALASKA. <AGS-P>. |
| a | 09 | 07 31 10.3 | 34.021 | N | 61.042 | W | 10 | G | 5.2 | 4.9 | 1.1 | 117 | NORTH ATLANTIC OCEAN |
| | 09 | 08 29 45.1* | 20.163 | S | 178.164 | W | 559 | * | 4.3 | | 0.8 | 15 | FIJI ISLANDS REGION |
| | 09 | 11 54 45.5& | 61.582 | N | 146.295 | W | 36 | | | | | 35 | SOUTHERN ALASKA. <AGS-P>. ML 3.0 (PMR). |
| | 09 | 12 09 13.9% | 60.384 | N | 4.997 | E | 0 | G | | | 1.1 | 6 | SOUTHERN NORWAY. ML 1.5 (BER). Probable explosion. |
| | 09 | 12 44 02.4* | 56.042 | S | 26.638 | W | 33 | N | 4.8 | | 0.7 | 12 | SOUTH SANDWICH ISLANDS REGION |
| | 09 | 12 56 59.7& | 58.134 | N | 142.386 | W | 10 | G | | | | 15 | GULF OF ALASKA. <AGS-P>. |
| | 09 | 12 58 01.9* | 59.341 | S | 24.020 | W | 33 | N | 4.5 | | 1.1 | 10 | SOUTH SANDWICH ISLANDS REGION |
| | 09 | 12 59 58.5% | 47.027 | N | 9.018 | E | 10 | G | | | 0.9 | 5 | GERMANY |
| | 09 | 13 01 12.0% | 39.488 | N | 28.411 | E | 10 | G | | | 1.1 | 6 | TURKEY |
| | 09 | 13 04 21.2% | 39.427 | N | 28.424 | E | 10 | G | | | 0.5 | 11 | TURKEY |
| | 09 | 13 28 39.9& | 58.237 | N | 142.883 | W | 10 | G | | | | 28 | GULF OF ALASKA. <AGS-P>. |
| | 09 | 15 00 00.1& | 60.716 | N | 151.947 | W | 78 | | | | | 29 | KENAI PENINSULA, ALASKA. <AGS-P>. |
| | 09 | 15 07 56.6 | 60.579 | N | 5.038 | E | 0 | G | | | 0.8 | 6 | SOUTHERN NORWAY. ML 1.6 (BER). Probable explosion. |
| | 09 | 15 40 34.2 | 35.484 | N | 3.785 | W | 30 | | 4.6 | | 1.2 | 96 | STRAIT OF GIBRALTAR |
| | 09 | 17 09 50.7* | 35.381 | N | 3.752 | W | 10 | G | | | 1.0 | 7 | STRAIT OF GIBRALTAR |
| | 09 | 17 37 01.4* | 40.855 | N | 143.499 | E | 33 | N | 3.9 | | 0.7 | 6 | OFF EAST COAST OF HONSHU, JAPAN |
| | 09 | 19 16 28.2% | 39.481 | N | 28.434 | E | 10 | G | | | 1.4 | 6 | TURKEY |
| | 09 | 20 07 51.7& | 58.298 | N | 151.350 | W | 73 | | | | | 22 | KODIAK ISLAND REGION. <AGS-P>. |
| | 09 | 20 27 54.8* | 36.590 | N | 71.427 | E | 113 | ? | 4.3 | | 1.5 | 14 | AFGHANISTAN-USSR BORDER REGION |
| | 09 | 20 46 32.2* | 35.958 | N | 31.779 | E | 33 | N | | | 1.5 | 5 | CYPRUS |
| | 09 | 20 52 23.6 | 42.639 | N | 18.424 | E | 10 | G | | | 0.7 | 9 | YUGOSLAVIA. ML 2.4 (TTG). |
| | 09 | 21 10 41.6& | 58.114 | N | 142.869 | W | 10 | G | | | | 38 | GULF OF ALASKA. <AGS-P>. ML 3.8 (PMR). |
| | 09 | 23 14 27.4 | 35.369 | N | 3.704 | W | 33 | N | | | 1.1 | 12 | STRAIT OF GIBRALTAR |
| | 10 | 00 02 16.2 | 35.426 | N | 3.760 | W | 33 | N | | | 1.1 | 15 | STRAIT OF GIBRALTAR. MG 3.2 (MDD). |
| | 10 | 00 20 26.6 | 35.440 | N | 3.820 | W | 33 | N | | | 1.4 | 27 | STRAIT OF GIBRALTAR. MG 3.8 (MDD). |
| | 10 | 00 36 52.8& | 58.688 | N | 142.773 | W | 10 | G | | | | 19 | GULF OF ALASKA. <AGS-P>. |
| | 10 | 01 36 30.4 | 30.632 | N | 137.777 | E | 490 | * | 4.6 | | 0.9 | 41 | SOUTH OF HONSHU, JAPAN |
| | 10 | 02 08 34.6* | 17.649 | S | 179.393 | W | 560 | * | 5.3 | | 1.2 | 52 | FIJI ISLANDS REGION |
| | 10 | 02 13 21.5& | 61.160 | N | 151.272 | W | 71 | | 4.0 | | | 54 | SOUTHERN ALASKA. <AGS-P>. Felt (II) at Anchorage. |
| | 10 | 02 22 48.2% | 31.804 | N | 36.327 | E | 10 | G | | | 1.1 | 5 | DEAD SEA REGION |
| | 10 | 02 37 25.3? | 38.74 | N | 23.51 | E | 10 | G | | | 0.4 | 10 | GREECE. ML 2.9 (THE). |
| | 10 | 05 00 48.7* | 36.165 | N | 69.046 | E | 33 | N | 4.3 | 3.5 | 1.5 | 22 | HINDU KUSH REGION |
| | 10 | 05 19 04.8* | 5.979 | S | 130.796 | E | 135 | ? | 3.6 | | 1.1 | 9 | BANDA SEA |
| | 10 | 05 44 30.1 | 34.826 | N | 26.693 | E | 13 | | 4.7 | | 1.4 | 125 | CRETE. ML 5.0 (ATH). |
| | 10 | 05 52 16.2* | 60.409 | S | 27.810 | W | 33 | N | 5.1 | 5.8 | 1.5 | 30 | SOUTH SANDWICH ISLANDS REGION |
| | 10 | 07 22 44.4 | 3.366 | N | 96.397 | E | 52 | * | 5.2 | 4.5 | 1.0 | 106 | NORTHERN SUMATERA |
| | 10 | 07 28 01.9& | 61.842 | N | 151.279 | W | 78 | | | | | 27 | SOUTHERN ALASKA. <AGS-P>. |
| | 10 | 07 52 04.0& | 62.048 | N | 150.620 | W | 65 | | | | | 33 | CENTRAL ALASKA. <AGS-P>. |
| | 10 | 08 09 42.8 | 6.114 | S | 147.092 | E | 126 | * | 4.4 | | 1.2 | 13 | EAST PAPUA NEW GUINEA REGION |
| a | 10 | 08 11 10.0 | 4.230 | N | 127.795 | E | 103 | * | 4.9 | | 1.1 | 66 | TALAUD ISLANDS |
| | 10 | 08 31 06.9 | 24.136 | N | 121.447 | E | 10 | G | | | 1.1 | 6 | TAIWAN |
| a | 10 | 09 24 46.4 | 15.500 | S | 173.215 | W | 33 | N | 5.3 | 5.2 | 1.2 | 61 | TONGA ISLANDS |
| | 10 | 09 32 47.0* | 36.224 | N | 139.961 | E | 33 | N | | | 1.1 | 5 | HONSHU, JAPAN. Felt (II JMA) at Utsunamiya and Mita; (I JMA) at Kumagaya. |
| | 10 | 10 23 02.9* | 61.588 | N | 141.146 | W | 10 | G | | | 1.8 | 7 | SOUTHERN ALASKA. ML 3.6 (PMR). |
| | 10 | 11 36 41.5? | 51.90 | N | 175.48 | W | 33 | N | 4.6 | | 1.5 | 8 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| | 10 | 12 05 10.8 | 46.210 | N | 6.812 | E | 10 | G | | | 1.4 | 17 | SWITZERLAND. ML 3.1 (LDG). |
| | 10 | 13 06 15.5& | 58.543 | N | 142.717 | W | 10 | G | | | | 21 | GULF OF ALASKA. <AGS-P>. |
| a | 10 | 13 25 32.9 | 6.323 | S | 149.889 | E | 52 | | 5.3 | 4.9 | 1.1 | 59 | NEW BRITAIN REGION |
| | 10 | 14 27 39.2 | 4.140 | S | 142.210 | E | 121 | | 5.2 | | 1.1 | 34 | PAPUA NEW GUINEA |
| | 10 | 14 39 54.2& | 62.102 | N | 150.926 | W | 74 | | | | | 33 | CENTRAL ALASKA. <AGS-P>. |
| | 10 | 15 12 09.4? | 53.80 | N | 160.83 | W | 33 | N | 4.5 | | 1.5 | 13 | SOUTH OF ALASKA |
| | 10 | 18 11 50.0? | 6.17 | S | 150.32 | E | 33 | N | 4.0 | | 1.3 | 6 | NEW BRITAIN REGION |
| | 10 | 18 20 49.4 | 4.633 | S | 134.736 | E | 33 | N | 5.3 | | 1.5 | 25 | WEST IRIAN REGION |
| | 10 | 18 54 30.8& | 31.880 | N | 116.000 | W | 6 | G | | | | 4 | BAJA CALIFORNIA. <PAS-P>. ML 3.4 (PAS). |
| | 10 | 18 57 41.7 | 2.044 | S | 138.795 | E | 33 | N | 5.0 | 4.0 | 1.0 | 31 | WEST IRIAN |
| | 10 | 19 17 28.6 | 65.286 | N | 133.742 | W | 10 | G | 4.7 | | 1.2 | 38 | NORTHERN YUKON TERRITORY, CANADA |
| | 10 | 20 12 18.1* | 61.286 | N | 147.191 | W | 33 | N | | | 1.1 | 6 | SOUTHERN ALASKA. ML 2.8 (PMR). |
| | 10 | 20 27 43.4? | 40.89 | N | 125.71 | W | 10 | G | | | 0.0 | 4 | OFF COAST OF NORTHERN CALIFORNIA. ML 3.2 (BRK). |
| | 10 | 21 48 42.4 | 42.457 | N | 13.407 | E | 10 | | | | 1.0 | 29 | CENTRAL ITALY. MD 3.2 (FIR). |
| | 10 | 22 00 02.0% | 40.459 | N | 26.844 | E | 10 | G | | | 0.3 | 7 | TURKEY |
| | 10 | 22 24 18.6? | 30.21 | S | 177.29 | W | 33 | N | 5.2 | | 1.4 | 10 | KERMADEC ISLANDS |
| | 10 | 22 51 13.0 | 36.634 | N | 21.680 | E | 40 | | 4.7 | 4.3 | 1.2 | 152 | SOUTHERN GREECE. MD 4.7 (ATH). Felt in the Kalamata area. |
| | 10 | 23 51 37.2* | 37.206 | N | 29.458 | E | 10 | G | | | 1.4 | 5 | TURKEY |
| | 11 | 00 19 50.0? | 39.16 | N | 28.05 | E | 10 | G | | | 1.5 | 5 | TURKEY |
| | 11 | 00 39 27.3 | 3.786 | N | 63.669 | E | 10 | G | 5.0 | | 0.8 | 49 | CARLSBERG RIDGE |
| | 11 | 01 42 54.5* | 2.389 | N | 128.171 | E | 33 | N | 5.0 | | 0.9 | 10 | HALMAHERA |
| a | 11 | 02 03 09.6 | 22.156 | S | 174.797 | W | 37 | * | 5.6 | 5.8 | 1.3 | 190 | TONGA ISLANDS REGION. Ms 6.0 (BRK). |
| | 11 | 02 07 34.9* | 56.645 | S | 26.343 | W | 123 | D | 5.1 | | 0.7 | 17 | SOUTH SANDWICH ISLANDS REGION |
| | 11 | 02 25 58.4 | 47.334 | N | 7.019 | E | 22 | | | | 1.0 | 72 | SWITZERLAND. ML 4.0 (LDG), 4.0 (GRF). |
| | 11 | 02 47 20.4 | 42.828 | N | 18.760 | E | 10 | G | | | 0.8 | 13 | YUGOSLAVIA. ML 2.8 (TTG). |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 11 | 02 | 58 | 36.4& | 58.645 | N | 142.740 | W | 10 | G | 4.4 | | 50 | GULF OF ALASKA. <AGS-P>. ML 3.8 (PMR). |
| | 11 | 03 | 20 | 14.7 | 28.721 | N | 32.978 | E | 10 | G | | 0.5 | 11 | ARAB REPUBLIC OF EGYPT |
| | 11 | 04 | 07 | 03.7& | 62.042 | N | 146.997 | W | 43 | | | | 46 | CENTRAL ALASKA. <AGS-P>. ML 3.5 (PMR). |
| | 11 | 04 | 21 | 14.2? | 11.70 | N | 88.11 | W | 33 | N | 4.7 | 0.9 | 18 | OFF COAST OF CENTRAL AMERICA |
| | 11 | 06 | 38 | 39.4* | 4.321 | S | 143.954 | E | 133 | * | 4.6 | 1.2 | 10 | PAPUA NEW GUINEA |
| | 11 | 06 | 39 | 39.9 | 26.025 | N | 90.940 | E | 55 | * | 4.6 | 1.1 | 17 | EASTERN INDIA |
| | 11 | 08 | 20 | 49.9? | 3.86 | S | 138.81 | E | 33 | N | 3.8 3.4 | 1.0 | 6 | WEST IRIAN |
| | 11 | 08 | 33 | 47.3* | 32.584 | S | 69.289 | W | 33 | N | | 0.9 | 5 | MENDOZA PROVINCE, ARGENTINA |
| | 11 | 08 | 40 | 07.3? | 34.16 | N | 25.65 | E | 33 | N | | 1.4 | 6 | CRETE |
| | 11 | 08 | 54 | 42.9 | 0.590 | N | 125.163 | E | 75 | * | 5.3 | 1.1 | 42 | MOLUCCA PASSAGE |
| | 11 | 09 | 05 | 55.9% | 15.407 | N | 60.665 | W | 31 | | | 0.8 | 9 | LEEWARD ISLANDS. ML 3.3 (FDF). |
| | 11 | 09 | 12 | 46.0& | 57.723 | N | 142.604 | W | 10 | G | | | 24 | GULF OF ALASKA. <AGS-P>. |
| | 11 | 11 | 51 | 10.9% | 60.315 | N | 5.510 | E | 0 | G | | 0.3 | 5 | SOUTHERN NORWAY. MD 1.7 (BER). Probable explosion. |
| | 11 | 12 | 21 | 54.2 | 44.841 | N | 5.020 | E | 18 | | | 1.4 | 19 | FRANCE. ML 3.4 (LDG). |
| | 11 | 12 | 43 | 26.4& | 41.835 | N | 112.325 | W | 4 | | | | 8 | UTAH. <SLC-P>. ML 3.2 (SLC). Felt (IV) at Howell and (III) at Portage. Also felt at the Morton Thiokol Plant. |
| | 11 | 13 | 38 | 39.4 | 32.482 | N | 26.110 | E | 13 | * | 4.2 | 1.3 | 26 | EASTERN MEDITERRANEAN SEA |
| | 11 | 15 | 10 | 13.9& | 58.734 | N | 142.710 | W | 10 | G | | | 25 | GULF OF ALASKA. <AGS-P>. |
| | 11 | 15 | 13 | 24.6* | 31.188 | S | 68.027 | W | 33 | N | | 1.3 | 7 | SAN JUAN PROVINCE, ARGENTINA |
| | 11 | 15 | 16 | 14.1* | 26.324 | S | 27.240 | E | 5 | G | | 1.2 | 6 | REPUBLIC OF SOUTH AFRICA. MG 3.6 (BUL). |
| | 11 | 15 | 57 | 03.0% | 43.180 | N | 18.924 | E | 10 | G | | 0.6 | 7 | YUGOSLAVIA. ML 2.4 (TTG). |
| a | 11 | 16 | 41 | 25.3 | 6.489 | S | 130.387 | E | 134 | | 5.2 | 1.2 | 70 | BANDA SEA |
| | 11 | 17 | 08 | 22.1 | 8.574 | N | 83.082 | W | 16 | | 4.8 | 1.3 | 32 | COSTA RICA. MD 4.4 (HDC). Felt in southwestern Costa Rica and at San Jose. |
| | 11 | 17 | 29 | 11.3& | 58.668 | N | 142.912 | W | 10 | G | | | 17 | GULF OF ALASKA. <AGS-P>. |
| | 11 | 17 | 30 | 48.0* | 4.815 | S | 152.937 | E | 70 | * | 4.7 | 1.4 | 21 | NEW BRITAIN REGION |
| | 11 | 18 | 24 | 41.1? | 8.04 | S | 119.92 | E | 175 | ? | 4.1 | 0.9 | 9 | FLORES ISLAND REGION |
| | 11 | 18 | 46 | 51.0* | 26.325 | S | 27.336 | E | 5 | G | | 1.2 | 6 | REPUBLIC OF SOUTH AFRICA. MG 4.0 (BUL). |
| | 11 | 19 | 26 | 49.5 | 80.033 | N | 0.794 | W | 10 | G | 4.2 | 1.1 | 17 | NORTH OF SVALBARD |
| | 11 | 20 | 33 | 48.4* | 43.331 | N | 0.965 | E | 10 | G | | 1.5 | 6 | FRANCE. ML 3.3 (LDG). |
| | 11 | 20 | 57 | 54.6? | 10.96 | N | 124.71 | E | 71 | ? | 4.9 | 0.5 | 7 | LEYTE, PHILIPPINE ISLANDS |
| | 11 | 21 | 06 | 04.5 | 43.428 | N | 1.231 | W | 10 | G | | 0.4 | 7 | PYRENEES. ML 2.9 (LDG). |
| | 11 | 22 | 17 | 46.2% | 36.989 | N | 2.253 | W | 10 | G | | 0.2 | 5 | STRAIT OF GIBRALTAR. MG 2.7 (MDD). |
| | 11 | 22 | 40 | 42.9& | 58.625 | N | 142.899 | W | 10 | G | | | 29 | GULF OF ALASKA. <AGS-P>. |
| a | 11 | 23 | 27 | 33.5 | 11.280 | N | 125.455 | E | 76 | * | 5.4 | 1.0 | 89 | SAMAR, PHILIPPINE ISLANDS |
| | 12 | 00 | 27 | 03.9& | 57.874 | N | 142.884 | W | 10 | G | 4.4 | | 36 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 12 | 02 | 46 | 49.9* | 3.238 | S | 149.015 | E | 33 | N | 4.3 | 1.5 | 9 | BISMARCK SEA |
| | 12 | 03 | 07 | 36.0? | 15.11 | N | 105.23 | W | 10 | G | 4.0 4.0 | 1.0 | 8 | OFF COAST OF MICHOACAN, MEXICO |
| | 12 | 03 | 15 | 19.4 | 47.613 | N | 6.584 | E | 10 | G | | 1.4 | 9 | FRANCE. ML 2.6 (LDG). |
| | 12 | 03 | 31 | 43.3* | 59.938 | S | 26.428 | W | 31 | D | 4.9 4.1 | 1.2 | 34 | SOUTH SANDWICH ISLANDS REGION |
| | 12 | 03 | 53 | 28.7 | 34.244 | N | 82.628 | W | 5 | G | | 0.5 | 7 | SOUTH CAROLINA. mbLg 3.0 (NEIS). Felt at Iva and Lowndesville, South Carolina. Also felt (IV) at Dewy Rose and Elberton, Georgia. |
| | 12 | 04 | 19 | 56.7? | 58.76 | S | 159.91 | E | 10 | G | 4.0 | 1.5 | 7 | MACQUARIE ISLANDS REGION |
| f | 12 | 04 | 51 | 50.5 | 29.692 | N | 140.025 | E | 164 | G | 6.3 | 1.0 | 494 | SOUTH OF HONSHU, JAPAN. mb 6.3 (BRK). Felt (II JMA) at Fukushima, Tokyo, Utsunomiya, Yokohama and on Chichi-shima; (I JMA) in the Sendai-Ajira-Tateyama area and on Hachijo-jima. Depth from broadband displacement seismograms. |
| | 12 | 05 | 48 | 58.1 | 29.783 | N | 90.365 | E | 33 | N | 4.8 | 1.2 | 17 | TIBET |
| | 12 | 06 | 00 | 46.8? | 15.21 | N | 105.21 | W | 10 | G | 4.5 | 1.2 | 10 | OFF COAST OF MICHOACAN, MEXICO |
| | 12 | 06 | 12 | 19.8? | 15.26 | N | 105.08 | W | 10 | G | 4.3 | 1.3 | 12 | OFF COAST OF MICHOACAN, MEXICO |
| | 12 | 06 | 50 | 10.7? | 15.09 | N | 105.52 | W | 10 | G | 4.6 4.8 | 1.2 | 16 | OFF COAST OF MICHOACAN, MEXICO |
| | 12 | 07 | 47 | 33.3 | 34.026 | N | 135.141 | E | 22 | | 4.5 | 1.2 | 26 | NEAR S. COAST OF SOUTHERN HONSHU. Felt (III JMA) at Wakayama; (I JMA) at Owase and Shionomisoki. |
| | 12 | 08 | 11 | 08.2* | 22.528 | S | 177.124 | W | 252 | * | 4.8 | 1.1 | 35 | SOUTH OF FIJI ISLANDS |
| | 12 | 08 | 58 | 41.4? | 13.78 | N | 105.78 | W | 10 | G | 4.5 4.3 | 0.6 | 8 | OFF COAST OF MEXICO |
| | 12 | 09 | 11 | 01.8? | 14.78 | N | 106.13 | W | 10 | G | 4.3 | 1.5 | 5 | OFF COAST OF MEXICO |
| | 12 | 10 | 35 | 32.3? | 14.89 | N | 60.43 | W | 10 | G | | 1.1 | 5 | WINDWARD ISLANDS. ML 3.2 (FDF). |
| | 12 | 11 | 23 | 09.7* | 37.872 | N | 25.315 | E | 10 | G | | 1.2 | 5 | DODECANESE ISLANDS. ML 3.3 (ATH). |
| | 12 | 11 | 50 | 45.0 | 38.348 | N | 0.909 | W | 10 | G | | 0.4 | 6 | SPAIN. MG 3.2 (MDD). |
| | 12 | 11 | 56 | 12.7 | 12.343 | N | 141.780 | E | 33 | N | 4.9 | 0.6 | 11 | SOUTH OF MARIANA ISLANDS |
| | 12 | 12 | 16 | 44.7 | 52.595 | N | 171.288 | W | 96 | | 4.7 | 0.9 | 93 | FOX ISLANDS, ALEUTIAN ISLANDS |
| | 12 | 13 | 14 | 10.2* | 61.927 | N | 150.168 | W | 10 | G | | 1.5 | 6 | SOUTHERN ALASKA. ML 3.0 (PMR). |
| | 12 | 13 | 25 | 34.1 | 40.328 | N | 23.972 | E | 10 | G | | 0.9 | 8 | GREECE. ML 2.3 (THE). |
| | 12 | 14 | 27 | 35.4* | 35.086 | N | 139.272 | E | 45 | | 4.5 | 0.2 | 8 | NEAR S. COAST OF HONSHU, JAPAN. Felt (II JMA) at Ajira; (I JMA) at Yokohama, Tateyama and on Oshima. |
| | 12 | 15 | 11 | 19.0? | 13.76 | N | 88.04 | W | 33 | N | 4.8 | 1.2 | 11 | EL SALVADOR |
| | 12 | 15 | 18 | 29.5% | 60.424 | N | 5.095 | E | 0 | G | | 0.4 | 5 | SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion. |
| | 12 | 16 | 19 | 03.5* | 6.332 | S | 154.519 | E | 47 | * | 3.9 | 0.8 | 8 | SOLOMON ISLANDS |
| | 12 | 16 | 45 | 52.4 | 45.764 | N | 11.373 | E | 12 | | 3.8 | 1.2 | 54 | NORTHERN ITALY. ML 4.0 (GRF), 3.7 (KBA), 3.5 (LDG). MD 3.4 (TRI). |
| | 12 | 17 | 44 | 56.6& | 62.211 | N | 149.694 | W | 49 | | | | 27 | CENTRAL ALASKA. <AGS-P>. |
| | 12 | 17 | 45 | 59.7 | 43.295 | N | 0.154 | W | 10 | G | | 0.5 | 7 | PYRENEES. ML 3.2 (LDG). |
| | 12 | 18 | 20 | 49.2& | 33.000 | N | 115.790 | W | 6 | G | | | 4 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 12 | 18 | 24 | 57.6 | 36.712 | N | 28.181 | E | 67 | | 4.3 | 1.3 | 87 | DODECANESE ISLANDS. MD 3.9 (ATH). |
| | 12 | 19 | 23 | 37.2* | 19.456 | S | 177.711 | W | 587 | * | 4.7 | 1.2 | 35 | FIJI ISLANDS REGION |
| | 12 | 20 | 14 | 44.2% | 40.130 | N | 29.277 | E | 10 | G | | 0.6 | 7 | TURKEY |
| | 12 | 20 | 30 | 59.3& | 61.716 | N | 151.756 | W | 99 | | | | 28 | SOUTHERN ALASKA. <AGS-P>. |
| | 12 | 20 | 55 | 40.6% | 44.149 | N | 6.159 | E | 10 | G | | 0.7 | 7 | FRANCE. ML 2.5 (LDG). |
| | 12 | 23 | 39 | 29.5* | 38.947 | N | 74.778 | E | 61 | * | 4.6 | 1.3 | 19 | TAJIK-XINJIANG BORDER REGION |
| | 13 | 00 | 24 | 02.9* | 24.039 | N | 122.859 | E | 32 | * | | 1.0 | 10 | TAIWAN REGION |
| o | 13 | 02 | 49 | 10.4 | 30.376 | N | 138.115 | E | 459 | | 5.2 | 0.8 | 208 | SOUTH OF HONSHU, JAPAN |
| | 13 | 03 | 21 | 04.8 | 49.989 | N | 78.844 | E | 0 | G | 6.1 4.5 | 0.9 | 431 | EASTERN KAZAKH SSR |
| | 13 | 03 | 39 | 51.5? | 45.69 | N | 26.48 | E | 145 | ? | | 0.4 | 6 | ROMANIA |
| a | 13 | 04 | 52 | 03.4 | 15.475 | N | 93.009 | W | 102 | | 5.2 | 1.1 | 91 | NEAR COAST OF CHIAPAS, MEXICO |
| | 13 | 05 | 44 | 53.3 | 15.149 | N | 145.949 | E | 96 | * | 5.0 | 0.9 | 37 | MARIANA ISLANDS |
| | 13 | 06 | 15 | 24.4& | 58.255 | N | 142.737 | W | 10 | G | 4.2 | | 42 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 13 | 06 | 23 | 22.3* | 36.512 | N | 70.978 | E | 134 | ? | 4.0 | 0.5 | 8 | HINDU KUSH REGION |
| | 13 | 06 | 31 | 54.6* | 59.922 | S | 18.668 | W | 10 | G | 4.9 | 0.4 | 12 | SOUTHWESTERN ATLANTIC OCEAN |
| | 13 | 07 | 19 | 03.8* | 43.219 | N | 18.910 | E | 10 | G | | 1.0 | 9 | YUGOSLAVIA. ML 2.7 (TTG). |
| | 13 | 07 | 34 | 01.9% | 15.034 | N | 60.576 | W | 33 | N | | 1.1 | 8 | LEEWARD ISLANDS. ML 3.4 (FDF). |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 13 | 08 | 05 | 37.0? | 45.17 | N | 14.80 | E | 10 | G | | | 1.2 | 5 | YUGOSLAVIA |
| a | 13 | 10 | 42 | 26.6• | 60.003 | S | 18.499 | W | 10 | G | 5.4 | 5.0 | 1.4 | 36 | SOUTHWESTERN ATLANTIC OCEAN |
| | 13 | 10 | 44 | 24.6? | 20.76 | S | 178.54 | W | 560 | ? | 4.6 | | 1.3 | 29 | FIJI ISLANDS REGION |
| | 13 | 10 | 53 | 55.1• | 59.864 | S | 18.540 | W | 10 | G | 5.3 | | 0.8 | 14 | SOUTHWESTERN ATLANTIC OCEAN |
| | 13 | 11 | 56 | 18.9 | 5.413 | N | 82.768 | W | 10 | G | | | 0.5 | 14 | SOUTH OF PANAMA. MD 4.9 (HDC). |
| a | 13 | 12 | 15 | 26.4 | 51.830 | N | 158.872 | E | 33 | N | 5.3 | 4.5 | 0.9 | 174 | NEAR EAST COAST OF KAMCHATKA |
| a | 13 | 12 | 43 | 40.7 | 17.878 | S | 178.702 | W | 569 | • | 5.3 | | 1.0 | 93 | FIJI ISLANDS REGION |
| | 13 | 12 | 51 | 17.0& | 59.036 | N | 142.727 | W | 10 | G | 4.5 | | | 46 | GULF OF ALASKA. <AGS-P>. ML 4.3 (PMR). |
| | 13 | 15 | 02 | 39.4& | 32.910 | N | 115.700 | W | 6 | G | | | | 6 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.6 (PAS). |
| | 13 | 15 | 17 | 53.0• | 4.533 | S | 125.712 | E | 500 | • | 4.3 | | 1.0 | 12 | BANDA SEA |
| | 13 | 19 | 29 | 50.1% | 40.085 | N | 29.313 | E | 10 | G | | | 1.0 | 7 | TURKEY |
| | 13 | 20 | 39 | 22.4& | 61.571 | N | 141.381 | W | 0 | G | | | | 16 | SOUTHERN ALASKA. <AGS-P>. |
| | 13 | 20 | 46 | 34.0 | 49.042 | S | 123.505 | E | 10 | G | 5.4 | 5.4 | 1.1 | 47 | SOUTH OF AUSTRALIA |
| | 13 | 20 | 57 | 10.8? | 61.63 | N | 3.33 | E | 10 | G | | | 0.6 | 6 | NORWEGIAN SEA. MD 2.0 (BER). |
| a | 13 | 21 | 05 | 03.0 | 74.432 | N | 93.653 | W | 10 | G | 5.4 | 5.1 | 1.2 | 165 | QUEEN ELIZABETH ISLANDS. Felt at Resolute and Polaris Mine, Cornwallis Island. Also felt at Arctic Bay, Baffin Island. |
| | 13 | 21 | 22 | 14.2 | 37.217 | N | 20.475 | E | 29 | | 4.7 | | 1.2 | 70 | IONIAN SEA. ML 4.4 (ATH), 4.3 (TTG). |
| | 13 | 23 | 00 | 33.6& | 58.079 | N | 143.214 | W | 10 | G | | | | 25 | GULF OF ALASKA. <AGS-P>. |
| | 14 | 00 | 36 | 11.8 | 44.549 | N | 148.120 | E | 72 | | 5.2 | | 1.0 | 168 | KURIL ISLANDS. Felt (III) on Shikotan and at Yuzhno-Kurilsk. Also felt (II JMA) at Nemuro and (I JMA) at Kushiro, Hokkaido. |
| | 14 | 01 | 00 | 30.9 | 40.655 | N | 29.837 | E | 10 | G | | | 1.5 | 13 | TURKEY. Felt at Izmit. |
| | 14 | 01 | 08 | 35.2% | 40.689 | N | 29.941 | E | 10 | G | | | 1.0 | 9 | TURKEY |
| | 14 | 01 | 18 | 18.7% | 40.656 | N | 29.201 | E | 10 | G | | | 0.5 | 7 | TURKEY |
| | 14 | 02 | 30 | 05.5& | 34.890 | N | 119.050 | W | 14 | | | | | 6 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.2 (PAS). |
| | 14 | 02 | 48 | 05.4& | 58.978 | N | 153.033 | W | 80 | | | | | 45 | KODIAK ISLAND REGION. <AGS-P>. |
| | 14 | 04 | 45 | 51.6• | 5.398 | S | 149.311 | E | 240 | • | 4.8 | | 1.2 | 17 | NEW BRITAIN REGION |
| | 14 | 08 | 28 | 25.8 | 9.498 | S | 108.229 | E | 33 | N | 5.4 | | 1.3 | 78 | SOUTH OF JAVA |
| | 14 | 13 | 20 | 28.9? | 42.58 | N | 24.16 | E | 10 | G | | | 1.6 | 6 | BULGARIA |
| | 14 | 13 | 44 | 08.2• | 51.102 | N | 175.061 | W | 33 | N | 5.0 | | 1.3 | 17 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| | 14 | 14 | 44 | 56.1• | 42.023 | N | 24.655 | E | 10 | G | | | 1.3 | 5 | BULGARIA. ML 1.8 (SKO). |
| | 14 | 14 | 50 | 51.3% | 40.709 | N | 29.979 | E | 10 | G | | | 1.2 | 9 | TURKEY |
| | 14 | 15 | 20 | 45.8& | 58.593 | N | 142.608 | W | 10 | G | 4.2 | | | 43 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 14 | 15 | 29 | 57.4 | 24.105 | N | 121.863 | E | 33 | N | 4.3 | | 1.5 | 37 | TAIWAN. Felt on eastern Taiwan. |
| | 14 | 15 | 50 | 44.1• | 7.447 | S | 128.580 | E | 179 | ? | 3.9 | | 0.9 | 9 | BANDA SEA |
| | 14 | 16 | 37 | 42.7& | 58.654 | N | 142.501 | W | 10 | G | | | | 27 | GULF OF ALASKA. <AGS-P>. |
| | 14 | 17 | 26 | 25.4? | 39.06 | N | 23.28 | E | 10 | G | | | 1.2 | 7 | AEGEAN SEA. ML 2.5 (THE). |
| | 14 | 18 | 45 | 35.1 | 41.869 | N | 20.788 | E | 10 | G | 3.6 | | 1.0 | 40 | ALBANIA. MD 3.7 (TTG), 3.7 (ATH). ML 3.4 (THE). Felt (V) in the Gostivar area, Yugoslavia. |
| | 14 | 21 | 04 | 15.4& | 61.001 | N | 151.943 | W | 101 | | | | | 29 | SOUTHERN ALASKA. <AGS-P>. |
| | 14 | 21 | 50 | 59.3 | 30.722 | N | 31.699 | E | 10 | G | 4.1 | | 1.0 | 22 | ARAB REPUBLIC OF EGYPT. ML 4.7 (JER), 4.3 (CSS), 4.2 (BHL). Felt at Cairo, Ismoiliya and Giza. Also felt in the Sinai area. |
| | 14 | 22 | 56 | 05.3• | 21.577 | S | 68.201 | W | 141 | • | 4.4 | | 1.5 | 20 | CHILE-BOLIVIA BORDER REGION |
| | 14 | 23 | 21 | 15.7? | 32.25 | S | 179.19 | W | 93 | ? | 5.0 | | 1.4 | 16 | SOUTH OF KERMADEC ISLANDS |
| | 14 | 23 | 56 | 32.9% | 15.629 | N | 60.544 | W | 33 | N | | | 0.5 | 9 | LEEWARD ISLANDS. ML 2.7 (FDF). |
| | 15 | 00 | 37 | 34.9& | 35.298 | N | 120.895 | W | 5 | G | | | | 8 | CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). Felt at Los Osas. |
| | 15 | 00 | 56 | 10.7% | 45.778 | N | 2.649 | E | 10 | G | | | 0.6 | 10 | FRANCE. ML 2.0 (LDG). |
| | 15 | 01 | 29 | 05.5 | 63.221 | N | 150.446 | W | 135 | • | | | 0.8 | 12 | CENTRAL ALASKA |
| | 15 | 02 | 01 | 49.9? | 8.86 | N | 126.24 | E | 33 | N | 4.6 | | 1.4 | 12 | MINDANAO, PHILIPPINE ISLANDS |
| | 15 | 02 | 51 | 51.5• | 46.897 | N | 6.990 | E | 10 | G | | | 1.3 | 5 | SWITZERLAND. ML 2.1 (LDG). |
| | 15 | 03 | 08 | 25.8? | 34.10 | S | 178.71 | W | 33 | N | 4.9 | 4.5 | 1.5 | 17 | SOUTH OF KERMADEC ISLANDS |
| | 15 | 04 | 50 | 56.5 | 42.148 | N | 25.559 | E | 10 | G | | | 0.7 | 7 | BULGARIA |
| | 15 | 05 | 35 | 21.9• | 64.962 | N | 147.581 | W | 10 | G | | | 0.6 | 5 | CENTRAL ALASKA. ML 3.0 (PMR). Felt at Fairbanks. |
| | 15 | 05 | 53 | 06.9 | 17.950 | N | 63.875 | W | 128 | | 4.9 | | 0.5 | 24 | LEEWARD ISLANDS |
| | 15 | 06 | 16 | 37.6& | 57.584 | N | 142.296 | W | 10 | G | | | | 43 | GULF OF ALASKA. <AGS-P>. ML 3.9 (PMR). |
| | 15 | 07 | 35 | 25.5 | 43.566 | N | 0.489 | W | 10 | G | | | 1.0 | 26 | PYRENEES. ML 3.9 (LDG). |
| | 15 | 07 | 35 | 42.0 | 39.067 | N | 15.549 | E | 251 | | 4.7 | | 1.2 | 84 | SOUTHERN ITALY |
| | 15 | 09 | 11 | 36.1• | 51.329 | N | 175.896 | W | 33 | N | 4.9 | | 1.1 | 19 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| | 15 | 09 | 22 | 53.6? | 47.90 | N | 5.54 | E | 10 | G | | | 1.0 | 5 | FRANCE. ML 2.5 (LDG). |
| | 15 | 10 | 58 | 43.5& | 58.493 | N | 142.851 | W | 10 | G | | | | 39 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 15 | 11 | 29 | 26.7 | 46.206 | N | 12.407 | E | 10 | G | | | 0.7 | 16 | NORTHERN ITALY. MD 2.9 (TRI). ML 2.9 (KBA). |
| | 15 | 12 | 40 | 32.2% | 60.711 | N | 5.600 | E | 0 | G | | | 0.3 | 5 | SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion. |
| | 15 | 12 | 58 | 00.3 | 37.572 | N | 102.698 | E | 33 | N | 4.5 | | 0.9 | 16 | GANSU PROVINCE, CHINA. ML 4.3 (BJI). |
| | 15 | 14 | 20 | 49.1 | 1.103 | S | 80.784 | W | 57 | • | 4.8 | | 1.0 | 32 | NEAR COAST OF ECUADOR |
| | 15 | 14 | 25 | 30.3& | 58.873 | N | 142.716 | W | 10 | G | | | | 38 | GULF OF ALASKA. <AGS-P>. ML 3.4 (PMR). |
| a | 15 | 14 | 57 | 40.1 | 23.430 | N | 142.908 | E | 39 | G | 5.8 | 5.7 | 1.0 | 217 | VOLCANO ISLANDS REGION. Ms 6.1 (BRK). Depth from broadband displacement seismograms. |
| a | 15 | 15 | 11 | 06.1& | 58.985 | N | 142.774 | W | 10 | G | 5.1 | 5.1 | | 143 | GULF OF ALASKA. <AGS-P>. ML 5.1 (PMR). Felt (IV) at Yakutat. |
| | 15 | 15 | 53 | 23.5• | 29.383 | N | 141.194 | E | 33 | N | 4.4 | | 1.2 | 12 | SOUTH OF HONSHU, JAPAN |
| | 15 | 16 | 10 | 47.7• | 13.002 | N | 125.852 | E | 33 | N | 4.5 | | 1.4 | 12 | PHILIPPINE ISLANDS REGION |
| | 15 | 17 | 31 | 47.7• | 0.201 | S | 124.438 | E | 91 | ? | 4.7 | | 1.1 | 12 | MOLUCCA SEA |
| | 15 | 18 | 23 | 46.0& | 35.370 | N | 118.770 | W | 3 | | | | | 25 | CENTRAL CALIFORNIA. <PAS-P>. ML 4.1 (PAS), 3.8 (BRK). Felt (IV) at Bakersfield, Di Giorgio, Glennville and Waody. Felt (III) at Bodfish, East Bakersfield, Keene and Pasey. |
| | 15 | 18 | 58 | 55.4? | 7.98 | S | 131.11 | E | 33 | N | | | 1.6 | 7 | TANIMBAR ISLANDS REGION |
| | 15 | 19 | 17 | 19.5• | 23.442 | N | 142.964 | E | 33 | N | 4.5 | | 1.2 | 12 | VOLCANO ISLANDS REGION |
| | 15 | 20 | 55 | 55.4 | 40.200 | N | 29.708 | E | 10 | G | | | 1.2 | 8 | TURKEY |
| | 15 | 20 | 58 | 50.1? | 51.45 | N | 176.42 | E | 33 | N | 4.7 | | 1.2 | 15 | RAT ISLANDS, ALEUTIAN ISLANDS |
| | 16 | 00 | 34 | 38.9 | 37.909 | N | 30.996 | E | 10 | G | 4.2 | | 1.4 | 45 | TURKEY. ML 4.0 (CSS). Felt in the Isparta area. |
| | 16 | 01 | 37 | 55.2 | 37.913 | N | 30.939 | E | 6 | | | | 1.2 | 14 | TURKEY |
| | 16 | 03 | 11 | 35.9% | 40.674 | N | 29.950 | E | 10 | G | | | 1.1 | 9 | TURKEY |
| | 16 | 03 | 17 | 54.3 | 23.736 | S | 67.350 | W | 158 | | 4.6 | | 1.2 | 27 | CHILE-ARGENTINA BORDER REGION |
| | 16 | 03 | 26 | 08.6• | 16.485 | S | 69.567 | W | 187 | • | 4.5 | | 1.2 | 23 | PERU-BOLIVIA BORDER REGION |
| | 16 | 03 | 42 | 38.2• | 9.225 | S | 118.874 | E | 111 | • | 4.4 | | 1.4 | 14 | SUMBAWA ISLAND REGION |
| | 16 | 04 | 55 | 06.5 | 24.856 | S | 142.834 | E | 10 | G | | | 1.2 | 11 | QUEENSLAND, AUSTRALIA |
| | 16 | 05 | 07 | 18.8• | 60.671 | S | 25.995 | W | 39 | D | 5.1 | | 1.4 | 25 | SOUTH SANDWICH ISLANDS REGION |
| | 16 | 05 | 17 | 08.4• | 56.519 | N | 154.423 | W | 33 | N | | | 1.0 | 7 | KODIAK ISLAND REGION. ML 3.0 (PMR). |
| | 16 | 05 | 43 | 00.6• | 23.702 | S | 68.016 | W | 178 | • | | | 0.8 | 10 | NORTHERN CHILE |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 16 | 06 | 53 | 15.5 | 23.434 | N | 121.741 | E | 48 | | 4.6 | | 1.2 | 51 | TAIWAN |
| | 16 | 07 | 01 | 24.7* | 1.432 | N | 128.136 | E | 33 | N | 4.6 | | 1.0 | 15 | HALMAHERA |
| | 16 | 07 | 04 | 58.6& | 34.877 | N | 95.512 | W | 5 | G | | | | 6 | OKLAHOMA. <TUL>. MD 2.1 (TUL). |
| | 16 | 07 | 47 | 48.5* | 22.997 | N | 122.118 | E | 33 | N | 4.0 | | 1.7 | 15 | TAIWAN REGION |
| | 16 | 09 | 27 | 18.2% | 39.530 | N | 28.490 | E | 10 | G | | | 1.2 | 8 | TURKEY |
| | 16 | 09 | 35 | 59.4 | 47.411 | N | 7.656 | E | 10 | G | | | 0.9 | 16 | SWITZERLAND. ML 3.3 (LDG), 3.2 (GRF). |
| | 16 | 10 | 40 | 23.1? | 1.98 | S | 133.04 | E | 33 | N | 4.2 | | 1.1 | 5 | WEST IRIAN REGION |
| | 16 | 10 | 47 | 46.6% | 40.677 | N | 29.233 | E | 10 | G | | | 1.2 | 5 | TURKEY |
| | 16 | 11 | 13 | 31.1* | 20.708 | S | 173.755 | W | 33 | N | 4.6 | | 0.9 | 16 | TONGA ISLANDS |
| | 16 | 12 | 38 | 38.9% | 61.574 | N | 5.369 | E | 10 | G | | | 1.3 | 7 | SOUTHERN NORWAY. MD 2.4 (BER). |
| | 16 | 13 | 56 | 56.8* | 29.212 | N | 82.273 | E | 33 | N | | | 0.4 | 7 | NEPAL |
| | 16 | 13 | 57 | 40.3% | 60.426 | N | 5.023 | E | 0 | G | | | 0.6 | 5 | SOUTHERN NORWAY. MD 1.8 (BER). Probable explosion. |
| | 16 | 14 | 48 | 31.1* | 11.602 | S | 117.905 | E | 33 | N | 3.8 | | 1.3 | 11 | SOUTH OF SUMBAWA ISLAND |
| | 16 | 15 | 31 | 03.4* | 41.514 | N | 22.320 | E | 10 | G | | | 1.0 | 5 | YUGOSLAVIA. ML 2.7 (SKO). |
| | 16 | 17 | 29 | 55.7 | 41.986 | N | 20.935 | E | 10 | G | | | 1.3 | 10 | ALBANIA. ML 3.0 (SKO), 2.7 (TTG). |
| | 16 | 17 | 43 | 07.5 | 39.291 | N | 111.229 | W | 5 | G | | | 1.1 | 18 | UTAH. ML 4.0 (NEIS), 3.5 (SLC). |
| | 16 | 19 | 15 | 07.1? | 2.47 | S | 138.38 | E | 33 | N | 4.0 | | 1.1 | 6 | WEST IRIAN |
| | 16 | 20 | 03 | 46.8 | 9.146 | S | 124.011 | E | 33 | N | 4.8 | | 1.0 | 15 | TIMOR |
| | 16 | 21 | 01 | 17.8* | 30.378 | S | 66.449 | W | 33 | N | | | 1.4 | 6 | LA RIOJA PROVINCE, ARGENTINA |
| | 16 | 21 | 24 | 01.3* | 5.437 | S | 152.005 | E | 60 | * | 4.9 | | 1.6 | 15 | NEW BRITAIN REGION |
| | 17 | 00 | 06 | 17.3& | 58.198 | N | 141.325 | W | 10 | G | | | | 16 | OFF COAST OF SOUTHEASTERN ALASKA. <AGS-P>. |
| | 17 | 01 | 31 | 16.2* | 40.482 | N | 0.091 | W | 10 | G | | | 0.9 | 7 | SPAIN |
| | 17 | 01 | 48 | 10.8 | 4.963 | N | 94.455 | E | 57 | | 4.9 | | 1.0 | 72 | OFF W COAST OF NORTHERN SUMATERA. Felt (II) in the Bando Aceh area. |
| | 17 | 01 | 51 | 58.8& | 33.030 | N | 117.760 | W | 6 | G | | | | 18 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). Felt at La Jolla. |
| | 17 | 01 | 52 | 28.5 | 63.042 | N | 150.842 | W | 33 | N | | | 0.6 | 6 | CENTRAL ALASKA. ML 3.0 (PMR). |
| f | 17 | 02 | 08 | 19.9 | 35.362 | N | 140.214 | E | 63 | D | 6.0 | | 1.0 | 535 | NEAR EAST COAST OF HONSHU, JAPAN. Ms 6.4 (BRK). Two people killed, 66 injured and damage in Chibo Prefecture and the Tokyo area. Felt (V JMA) at Choshi, Chiba and Katsuura; (IV JMA) in the Tokyo-Yokohama-Mita-Kumagaya area; (III JMA) in the Onohama-Shizuoka-Iida area and on Oshima and Hachijo-jima. Felt (I JMA) from Tottori to Sendai. |
| | 17 | 04 | 35 | 44.3 | 38.736 | N | 119.689 | W | 5 | G | | | 0.8 | 10 | CALIFORNIA-NEVADA BORDER REGION. ML 2.9 (BRK). |
| | 17 | 05 | 07 | 05.5 | 35.268 | N | 140.595 | E | 39 | * | 4.5 | | 1.2 | 34 | NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Yokohama and Mito; (I JMA) at Tokyo and Ajiro. |
| | 17 | 05 | 37 | 07.4% | 40.194 | N | 29.692 | E | 10 | G | | | 0.7 | 5 | TURKEY |
| | 17 | 06 | 39 | 49.2* | 37.576 | N | 70.974 | E | 33 | N | 4.4 | | 1.0 | 8 | AFGHANISTAN-USSR BORDER REGION |
| | 17 | 07 | 02 | 15.3 | 39.474 | N | 28.429 | E | 10 | G | | | 0.6 | 16 | TURKEY |
| | 17 | 07 | 26 | 25.6& | 33.980 | N | 116.680 | W | 9 | | | | | 7 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 17 | 08 | 40 | 59.6? | 23.25 | N | 120.66 | E | 33 | N | | | 1.6 | 7 | TAIWAN |
| | 17 | 09 | 33 | 11.4? | 2.38 | S | 139.25 | E | 33 | N | 4.2 | | 1.1 | 7 | NEAR N. COAST OF WEST IRIAN |
| | 17 | 09 | 35 | 56.1* | 63.054 | N | 149.781 | W | 33 | N | | | 0.5 | 5 | CENTRAL ALASKA. ML 2.7 (PMR). |
| | 17 | 11 | 45 | 11.7* | 24.838 | N | 142.724 | E | 33 | N | 5.1 | | 0.9 | 20 | VOLCANO ISLANDS REGION |
| | 17 | 12 | 17 | 25.6 | 41.938 | N | 83.199 | E | 52 | * | 5.1 | 4.3 | 1.0 | 86 | SOUTHERN XINJIANG, CHINA |
| | 17 | 12 | 37 | 29.7 | 35.410 | N | 140.372 | E | 57 | * | 4.4 | | 0.6 | 16 | NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Ajiro, Tokyo, Yokohama and Tateyama. |
| | 17 | 15 | 56 | 29.8* | 39.013 | N | 23.444 | E | 10 | G | | | 1.2 | 9 | AEGEAN SEA. ML 3.0 (ATH). |
| | 17 | 19 | 09 | 43.7% | 40.602 | N | 29.894 | E | 10 | G | | | 0.8 | 7 | TURKEY |
| | 17 | 19 | 14 | 03.0 | 37.922 | N | 30.960 | E | 10 | | 4.6 | | 1.0 | 25 | TURKEY. Felt at Bursa. |
| | 17 | 19 | 16 | 17.9* | 33.236 | N | 27.829 | E | 10 | G | 4.3 | | 1.5 | 13 | EASTERN MEDITERRANEAN SEA. ML 4.2 (ATH). |
| | 17 | 19 | 57 | 35.4& | 58.810 | N | 142.740 | W | 10 | G | | | | 36 | GULF OF ALASKA. <AGS-P>. |
| f | 17 | 20 | 22 | 58.3 | 9.169 | S | 114.610 | E | 46 | G | 5.7 | 5.5 | 1.1 | 234 | SOUTH OF BALI ISLAND. Twenty people injured on Bali. Felt (III) on Lombok and in eastern Java. Depth from broadband displacement seismograms. |
| | 17 | 21 | 05 | 29.6* | 35.416 | N | 140.431 | E | 51 | * | 4.1 | | 1.4 | 12 | NEAR EAST COAST OF HONSHU, JAPAN. Felt (I JMA) at Mito, Tokyo and Tateyama. |
| | 17 | 22 | 44 | 28.4* | 47.694 | N | 7.489 | E | 10 | G | | | 0.3 | 5 | SWITZERLAND. ML 2.2 (LDG). |
| | 17 | 23 | 38 | 51.7 | 39.493 | N | 28.218 | E | 10 | G | | | 1.5 | 9 | TURKEY |
| | 18 | 00 | 50 | 44.6* | 11.914 | N | 142.983 | E | 33 | N | 4.6 | | 0.5 | 10 | SOUTH OF MARIANA ISLANDS |
| | 18 | 01 | 11 | 52.3 | 36.017 | N | 137.248 | E | 18 | | | | 1.5 | 23 | HONSHU, JAPAN. Felt (III JMA) at Tokoyama; (I JMA) at Gifu, Nagoya, Toyama, Hikone and Tsu. |
| | 18 | 02 | 35 | 42.7? | 8.16 | S | 121.03 | E | 33 | N | 4.5 | | 1.1 | 9 | FLORES ISLAND REGION |
| | 18 | 04 | 31 | 28.6 | 38.582 | N | 15.363 | E | 236 | | 4.3 | | 1.2 | 41 | SICILY |
| | 18 | 04 | 51 | 18.4 | 42.095 | N | 19.064 | E | 10 | G | 4.1 | | 1.2 | 119 | YUGOSLAVIA. MD 4.4 (TTG), ML 3.8 (ATH). Felt (VI) at Bor and Ulcinj; (V) at Budva, Cetinje, Titograd and Petrovac; (IV) in the Danilovgrad-Kotor-Tivat area. Felt (V) in the Dajc-Shkodra area, Albania. |
| | 18 | 04 | 52 | 33.6* | 30.620 | S | 68.530 | W | 33 | N | | | 0.7 | 7 | SAN JUAN PROVINCE, ARGENTINA |
| | 18 | 04 | 55 | 32.7 | 42.136 | N | 19.149 | E | 10 | G | | | 1.3 | 10 | YUGOSLAVIA. MD 2.6 (TTG). |
| | 18 | 04 | 59 | 32.3& | 60.186 | N | 153.262 | W | 127 | | | | | 26 | SOUTHERN ALASKA. <AGS-P>. |
| o | 18 | 05 | 01 | 23.1 | 1.403 | S | 77.803 | W | 177 | D | 5.4 | | 0.9 | 267 | ECUADOR |
| | 18 | 05 | 13 | 25.3* | 51.672 | N | 16.090 | E | 10 | G | | | 0.9 | 8 | POLAND. ML 3.8 (VKA), 3.8 (GRF), 3.7 (KBA). |
| o | 18 | 05 | 53 | 43.6 | 23.268 | N | 121.045 | E | 33 | N | 5.0 | 5.3 | 1.4 | 76 | TAIWAN. Felt on southern Taiwan. |
| | 18 | 05 | 57 | 27.2 | 42.134 | N | 19.220 | E | 10 | G | | | 0.5 | 10 | YUGOSLAVIA. ML 2.7 (TTG). |
| | 18 | 06 | 36 | 09.5& | 58.429 | N | 142.833 | W | 10 | G | | | | 35 | GULF OF ALASKA. <AGS-P>. |
| | 18 | 07 | 14 | 21.0? | 32.18 | S | 73.22 | W | 33 | N | | | 1.5 | 8 | OFF COAST OF CENTRAL CHILE |
| | 18 | 07 | 45 | 31.1* | 1.283 | S | 81.028 | W | 33 | N | 4.5 | | 1.1 | 18 | OFF COAST OF ECUADOR |
| | 18 | 07 | 47 | 17.8& | 37.602 | N | 121.688 | W | 5 | | | | | 9 | CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). |
| | 18 | 08 | 38 | 04.7 | 35.258 | N | 137.083 | E | 304 | | 4.5 | | 0.9 | 43 | HONSHU, JAPAN |
| | 18 | 10 | 00 | 42.4& | 59.957 | N | 152.140 | W | 78 | | | | | 24 | SOUTHERN ALASKA. <AGS-P>. |
| | 18 | 10 | 08 | 00.7? | 45.62 | N | 26.43 | E | 171 | ? | | | 0.7 | 9 | ROMANIA |
| | 18 | 10 | 17 | 31.4* | 13.315 | N | 144.234 | E | 117 | * | 4.8 | | 1.1 | 33 | MARIANA ISLANDS |
| | 18 | 10 | 59 | 48.4? | 43.06 | N | 22.70 | E | 10 | G | | | 1.1 | 5 | YUGOSLAVIA |
| | 18 | 12 | 17 | 24.5? | 24.73 | N | 121.45 | E | 33 | N | | | 1.6 | 6 | TAIWAN |
| | 18 | 13 | 11 | 29.3* | 42.680 | N | 24.190 | E | 10 | G | | | 1.4 | 5 | BULGARIA |
| | 18 | 13 | 38 | 30.3* | 42.737 | N | 19.145 | E | 10 | G | | | 0.3 | 5 | YUGOSLAVIA. ML 2.1 (TTG). |
| | 18 | 14 | 53 | 49.2& | 60.365 | N | 152.174 | W | 78 | | | | | 19 | SOUTHERN ALASKA. <AGS-P>. |
| o | 18 | 16 | 24 | 03.0 | 28.191 | N | 56.677 | E | 20 | G | 5.8 | 5.5 | 1.0 | 354 | SOUTHERN IRAN. Felt in the Hajjiabad area. Depth from broadband displacement seismograms. |
| | 18 | 17 | 07 | 04.4& | 58.541 | N | 142.806 | W | 10 | G | | | | 20 | GULF OF ALASKA. <AGS-P>. |
| | 18 | 17 | 48 | 37.5& | 37.603 | N | 121.713 | W | 4 | | | | | 11 | CENTRAL CALIFORNIA. <BRK>. ML 2.8 (BRK). |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18 | 17 | 55 | 46.9 | 31.111 | S | 117.709 | E | 10 | G | | | 1.4 | 10 | WESTERN AUSTRALIA |
| | 18 | 18 | 04 | 47.5 | 63.425 | N | 151.308 | W | 33 | N | | | 0.9 | 6 | CENTRAL ALASKA. ML 3.1 (PMR). |
| | 18 | 19 | 12 | 27.3 | 4.968 | N | 94.390 | E | 58 | * | 4.9 | | 0.9 | 40 | OFF W COAST OF NORTHERN SUMATERA |
| | 18 | 20 | 54 | 33.7 | 28.239 | N | 56.683 | E | 33 | N | 4.6 | | 0.9 | 82 | SOUTHERN IRAN. ML 4.6 (BMU). Felt in the Hajjiabad area. |
| | 18 | 20 | 58 | 49.8 | 42.168 | N | 19.196 | E | 10 | G | | | 1.5 | 6 | YUGOSLAVIA. ML 2.2 (TTG). |
| | 18 | 21 | 00 | 57.8 | 42.157 | N | 19.196 | E | 10 | G | | | 0.7 | 8 | YUGOSLAVIA. ML 2.2 (TTG). |
| | 18 | 22 | 33 | 28.9 | 5.408 | S | 153.567 | E | 73 | * | 4.3 | | 1.2 | 20 | NEW IRELAND REGION |
| | 18 | 23 | 38 | 25.5 | 4.899 | S | 151.822 | E | 116 | | 5.2 | | 1.1 | 56 | NEW BRITAIN REGION |
| | 19 | 02 | 26 | 28.7& | 31.870 | N | 116.230 | W | 6 | G | | | | 4 | BAJA CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 19 | 02 | 43 | 49.0* | 23.947 | S | 66.530 | W | 210 | * | | | 1.2 | 12 | JUJUY PROVINCE, ARGENTINA |
| | 19 | 03 | 26 | 38.9* | 17.800 | N | 105.770 | W | 33 | N | 4.6 | | 1.2 | 42 | OFF COAST OF JALISCO, MEXICO |
| | 19 | 04 | 04 | 07.9? | 21.19 | S | 179.93 | W | 646 | ? | 4.7 | | 0.7 | 25 | FIJI ISLANDS REGION |
| | 19 | 08 | 06 | 45.8& | 32.940 | N | 117.730 | W | 6 | G | | | | 10 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.3 (PAS). |
| a | 19 | 08 | 27 | 36.7 | 40.680 | N | 52.012 | E | 88 | * | 5.0 | | 0.9 | 122 | TURKMEN SSR |
| | 19 | 09 | 58 | 23.0& | 57.127 | N | 143.037 | W | 10 | G | 4.2 | | | 33 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| a | 19 | 10 | 14 | 45.2 | 0.184 | S | 122.900 | E | 156 | | 5.1 | | 1.2 | 112 | MINAHASSA PENINSULA |
| | 19 | 11 | 14 | 34.8 | 22.199 | S | 179.678 | W | 593 | * | 4.6 | | 0.8 | 33 | SOUTH OF FIJI ISLANDS |
| | 19 | 13 | 26 | 39.6* | 0.714 | S | 80.553 | W | 49 | ? | 4.9 | | 0.8 | 13 | NEAR COAST OF ECUADOR |
| | 19 | 14 | 23 | 05.8% | 39.648 | N | 29.410 | E | 10 | G | | | 1.0 | 5 | TURKEY |
| | 19 | 16 | 29 | 35.4 | 38.289 | N | 21.825 | E | 10 | G | 3.6 | | 1.3 | 7 | GREECE. ML 3.0 (ATH). |
| | 19 | 19 | 16 | 37.8 | 63.145 | N | 150.382 | W | 154 | ? | | | 0.7 | 9 | CENTRAL ALASKA |
| | 19 | 20 | 15 | 36.8& | 57.815 | N | 142.644 | W | 10 | G | | | | 21 | GULF OF ALASKA. <AGS-P>. |
| | 19 | 20 | 41 | 47.5 | 46.649 | N | 9.844 | E | 10 | G | | | 1.5 | 16 | SWITZERLAND |
| | 19 | 22 | 42 | 59.6% | 44.340 | N | 6.795 | E | 10 | G | | | 0.8 | 6 | FRANCE. ML 2.3 (LDG). |
| | 20 | 00 | 08 | 01.8 | 48.465 | N | 13.975 | E | 10 | G | | | 1.2 | 19 | AUSTRIA. ML 3.4 (VKA), 3.1 (KBA), 3.1 (GRF). Felt (VI) at Obermuehl. |
| | 20 | 00 | 57 | 00.9 | 39.550 | N | 28.431 | E | 10 | G | | | 1.1 | 9 | TURKEY |
| | 20 | 01 | 17 | 19.7* | 33.236 | S | 71.794 | W | 84 | * | 4.5 | | 1.1 | 22 | NEAR COAST OF CENTRAL CHILE |
| | 20 | 02 | 05 | 20.0* | 20.929 | S | 173.758 | W | 33 | N | 4.9 | 4.5 | 1.1 | 37 | TONGA ISLANDS |
| | 20 | 02 | 34 | 17.0 | 44.016 | N | 7.190 | E | 10 | G | | | 0.8 | 9 | NORTHERN ITALY. ML 2.5 (LDG). |
| | 20 | 02 | 39 | 58.0* | 5.350 | S | 145.123 | E | 33 | N | 3.9 | | 1.1 | 6 | EAST PAPUA NEW GUINEA REGION |
| | 20 | 02 | 55 | 06.7 | 49.829 | N | 78.000 | E | 0 | G | 4.8 | | 0.8 | 56 | EASTERN KAZAKH SSR |
| | 20 | 07 | 29 | 51.8? | 43.22 | N | 10.72 | W | 10 | G | | | 1.2 | 22 | NORTH ATLANTIC OCEAN. MG 3.4 (MDD). |
| | 20 | 07 | 55 | 01.9? | 43.16 | N | 4.81 | E | 10 | G | | | 1.1 | 5 | NEAR SOUTH COAST OF FRANCE. ML 2.8 (LDG). |
| | 20 | 08 | 48 | 46.0? | 52.24 | N | 172.56 | W | 33 | N | 4.6 | | 1.6 | 10 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| | 20 | 09 | 41 | 25.0* | 39.124 | N | 21.833 | E | 10 | G | | | 0.9 | 12 | GREECE. MD 3.3 (ATH). |
| | 20 | 09 | 58 | 51.9 | 37.424 | N | 139.761 | E | 22 | | 4.5 | | 0.9 | 17 | HONSHU, JAPAN |
| | 20 | 11 | 12 | 11.4? | 43.34 | N | 18.63 | E | 10 | G | | | 0.9 | 6 | YUGOSLAVIA. ML 2.5 (TTG). |
| | 20 | 12 | 11 | 44.2* | 30.412 | S | 121.184 | E | 10 | G | | | 1.1 | 9 | WESTERN AUSTRALIA |
| | 20 | 12 | 44 | 23.6* | 25.462 | S | 179.017 | E | 602 | ? | 4.6 | | 0.8 | 33 | SOUTH OF FIJI ISLANDS |
| | 20 | 13 | 25 | 30.5* | 37.565 | N | 27.486 | E | 10 | G | | | 1.3 | 6 | TURKEY |
| | 20 | 13 | 59 | 11.0 | 43.980 | N | 7.219 | E | 10 | G | | | 1.2 | 10 | NEAR SOUTH COAST OF FRANCE. ML 2.6 (LDG). |
| | 20 | 14 | 42 | 57.4* | 20.173 | S | 176.309 | W | 323 | ? | 4.4 | | 1.2 | 18 | FIJI ISLANDS REGION |
| | 20 | 15 | 06 | 49.5 | 83.953 | N | 1.580 | W | 10 | G | 4.5 | 3.9 | 0.9 | 58 | NORTH OF SVAL8ARD |
| | 20 | 16 | 26 | 39.7 | 23.983 | S | 66.702 | W | 208 | * | 4.4 | | 0.8 | 15 | JUJUY PROVINCE, ARGENTINA |
| | 20 | 17 | 53 | 41.5* | 34.583 | N | 36.646 | W | 10 | G | 4.8 | | 1.0 | 18 | NORTH ATLANTIC RIDGE |
| | 20 | 22 | 41 | 29.7 | 6.826 | N | 123.832 | E | 593 | * | 5.0 | | 0.7 | 55 | MINDANAO, PHILIPPINE ISLANDS |
| | 21 | 01 | 47 | 37.1* | 32.669 | N | 58.951 | E | 10 | G | 4.3 | | 0.9 | 13 | IRAN. ML 4.5 (MHI). Felt in the Birjand area. |
| | 21 | 02 | 27 | 30.4 | 24.218 | N | 142.676 | E | 33 | N | 4.8 | | 1.0 | 33 | VOLCANO ISLANDS REGION |
| | 21 | 03 | 40 | 44.0& | 57.680 | N | 143.036 | W | 10 | G | | | | 43 | GULF OF ALASKA. <AGS-P>. ML 4.3 (PMR). |
| | 21 | 03 | 55 | 54.8 | 35.069 | N | 28.615 | E | 8 | | 3.7 | | 1.2 | 15 | EASTERN MEDITERRANEAN SEA |
| | 21 | 04 | 17 | 05.4* | 11.231 | S | 165.135 | E | 33 | N | 4.7 | | 0.9 | 18 | SANTA CRUZ ISLANDS |
| | 21 | 04 | 26 | 49.2* | 42.144 | N | 19.186 | E | 10 | G | | | 0.6 | 5 | YUGOSLAVIA. MD 2.0 (TTG). |
| | 21 | 04 | 28 | 23.5 | 38.696 | N | 70.670 | E | 15 | D | 4.8 | 4.7 | 1.0 | 116 | AFGHANISTAN-USSR BORDER REGION. Felt (VI) at Argankun, (V) at Tavildara, (IV) in the Garm-Obigarm area, (III) in the Rogun-Kulyab-Tashkent area and (II) at Khorog, USSR. |
| | 21 | 07 | 07 | 58.8? | 56.40 | S | 146.20 | E | 33 | N | 4.9 | 4.2 | 1.2 | 12 | WEST OF MACQUARIE ISLAND |
| | 21 | 07 | 56 | 43.6 | 2.747 | S | 77.000 | W | 124 | D | 4.7 | | 1.1 | 78 | PERU-ECUADOR BORDER REGION |
| | 21 | 09 | 19 | 45.1* | 38.850 | N | 78.760 | E | 33 | N | | | 1.2 | 5 | SOUTHERN XINJIANG, CHINA. MG 3.5 (BJI). |
| | 21 | 09 | 23 | 01.3 | 36.308 | S | 179.473 | W | 64 | | 5.4 | | 1.3 | 42 | EAST OF NORTH ISLAND, N.Z. |
| | 21 | 10 | 28 | 27.7& | 58.219 | N | 142.735 | W | 10 | G | | | | 28 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 21 | 11 | 27 | 46.7? | 6.09 | S | 147.31 | E | 125 | ? | 4.4 | | 1.5 | 6 | EAST PAPUA NEW GUINEA REGION |
| | 21 | 13 | 55 | 00.4 | 23.630 | S | 177.258 | W | 175 | * | 4.9 | | 0.6 | 43 | SOUTH OF FIJI ISLANDS |
| | 21 | 14 | 07 | 02.7& | 58.194 | N | 142.902 | W | 10 | G | | | | 26 | GULF OF ALASKA. <AGS-P>. |
| o | 21 | 14 | 34 | 54.1 | 16.209 | S | 176.575 | W | 394 | D | 5.1 | | 0.9 | 147 | FIJI ISLANDS REGION |
| | 21 | 15 | 16 | 50.1? | 24.01 | S | 66.72 | W | 223 | ? | | | 0.8 | 9 | SALTA PROVINCE, ARGENTINA |
| | 21 | 15 | 47 | 23.7* | 24.398 | N | 122.222 | E | 33 | N | | | 1.3 | 10 | TAIWAN REGION. MG 3.1 (8JI). |
| | 21 | 15 | 49 | 16.1* | 24.255 | N | 122.256 | E | 33 | N | 4.2 | | 1.3 | 14 | TAIWAN REGION |
| | 21 | 17 | 28 | 34.7* | 20.572 | S | 177.983 | W | 452 | * | 4.7 | | 1.1 | 50 | FIJI ISLANDS REGION |
| | 21 | 17 | 38 | 12.8 | 60.695 | N | 5.607 | E | 0 | G | | | 0.6 | 6 | SOUTHERN NORWAY. MD 1.9 (8ER). Probable explosion. |
| | 21 | 19 | 34 | 36.5 | 35.275 | N | 26.132 | E | 33 | * | 4.1 | | 1.5 | 40 | CRETE. ML 4.0 (ATH). |
| | 21 | 19 | 46 | 25.3* | 57.167 | S | 149.889 | W | 10 | G | 5.2 | | 1.1 | 23 | SOUTH PACIFIC CORDILLERA |
| | 21 | 20 | 55 | 47.0 | 39.472 | N | 20.009 | E | 60 | | 4.3 | | 1.1 | 73 | GREECE-ALBANIA BORDER REGION |
| | 21 | 21 | 53 | 54.8% | 31.120 | S | 117.663 | E | 10 | G | | | 1.0 | 8 | WESTERN AUSTRALIA |
| | 21 | 21 | 54 | 48.4* | 37.858 | N | 29.274 | E | 10 | G | | | 1.4 | 5 | TURKEY |
| | 21 | 23 | 15 | 39.3 | 16.753 | S | 167.546 | E | 33 | N | 4.4 | 4.1 | 1.0 | 27 | VANUATU ISLANDS |
| a | 22 | 00 | 16 | 39.0 | 41.360 | N | 89.638 | E | 21 | G | 5.9 | 5.2 | 0.9 | 384 | SOUTHERN XINJIANG, CHINA. Depth from broadband displacement seismograms. |
| | 22 | 00 | 39 | 50.3? | 5.76 | S | 147.24 | E | 203 | * | 4.5 | | 0.9 | 8 | EAST PAPUA NEW GUINEA REGION |
| | 22 | 02 | 58 | 29.7% | 15.152 | N | 60.826 | W | 33 | N | | | 0.7 | 7 | LEEWARD ISLANDS. ML 2.3 (FDF). |
| | 22 | 03 | 39 | 34.8 | 44.180 | N | 12.222 | E | 10 | G | | | 1.1 | 11 | NORTHERN ITALY. MD 2.9 (TRI). |
| | 22 | 03 | 50 | 34.9* | 8.687 | S | 118.868 | E | 33 | N | 4.5 | | 0.4 | 10 | SUMBAWA ISLAND REGION |
| | 22 | 04 | 44 | 16.3* | 20.210 | S | 174.104 | W | 33 | N | 4.5 | | 1.2 | 9 | TONGA ISLANDS |
| | 22 | 05 | 36 | 20.8* | 18.232 | S | 168.011 | E | 18 | * | 4.3 | | 0.9 | 10 | VANUATU ISLANDS |
| | 22 | 07 | 37 | 07.0& | 63.856 | N | 87.361 | W | 18 | G | | | | 10 | NORTHWEST TERRITORIES, CANADA. <OTT>. mbLg 3.7 (OTT). |
| | 22 | 07 | 41 | 09.0* | 21.068 | S | 176.539 | W | 245 | ? | 4.4 | | 0.8 | 30 | FIJI ISLANDS REGION |
| | 22 | 08 | 48 | 28.6& | 58.346 | N | 142.811 | W | 10 | G | | | | 27 | GULF OF ALASKA. <AGS-P>. |
| a | 22 | 11 | 17 | 56.3 | 51.598 | S | 11.439 | W | 10 | G | 5.5 | 5.2 | 1.4 | 98 | SOUTHWESTERN ATLANTIC OCEAN |
| | 22 | 13 | 48 | 44.5* | 13.030 | N | 89.506 | W | 33 | N | 4.3 | | 1.3 | 18 | EL SALVADOR |
| | 22 | 14 | 36 | 02.3& | 36.732 | N | 120.697 | W | 1 | | | | | 38 | CENTRAL CALIFORNIA. <BRK>. ML 3.5 (BRK). |
| | 22 | 14 | 47 | 58.7& | 36.738 | N | 120.673 | W | 2 | | | | | 13 | CENTRAL CALIFORNIA. <BRK>. ML 2.5 (BRK). |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22 | 14 | 50 | 59.2& | 36.732 | N | 120.697 | W | 1 | | | | 13 | CENTRAL CALIFORNIA. <BRK>. ML 2.6 (BRK). |
| | 22 | 15 | 06 | 29.7 | 36.056 | S | 141.418 | E | 10 | G | 4.6 | 1.3 | 37 | VICTORIA, AUSTRALIA. MD 4.6 (TOO). Slight damage in the Hamilton area. Felt in the Mildura-Bendiga-Hamilton area. Also felt in the Naracoarte-Adelaide area, South Australia and in parts of New South Wales. |
| | 22 | 15 | 17 | 54.8 | 53.600 | N | 35.266 | W | 10 | G | 4.8 | 0.6 | 30 | NORTH ATLANTIC OCEAN |
| | 22 | 16 | 35 | 57.1? | 17.20 | N | 62.58 | W | 10 | G | | 0.7 | 5 | LEEWARD ISLANDS. ML 2.5 (FDF). |
| | 22 | 16 | 59 | 55.3& | 60.027 | N | 153.420 | W | 140 | | | | 45 | SOUTHERN ALASKA. <AGS-P>. |
| | 22 | 17 | 48 | 45.2? | 41.71 | S | 42.52 | E | 10 | G | 4.7 | 0.8 | 8 | PRINCE EDWARD ISLANDS REGION |
| | 22 | 18 | 22 | 10.5 | 29.826 | N | 95.308 | E | 33 | N | 4.7 | 1.2 | 40 | INDIA-CHINA BORDER REGION |
| | 22 | 18 | 47 | 36.8* | 39.755 | N | 143.150 | E | 52 | * | 4.6 | 1.0 | 44 | OFF EAST COAST OF HONSHU, JAPAN |
| | 22 | 19 | 22 | 27.5 | 12.178 | N | 144.288 | E | 57 | * | 5.0 | 0.7 | 28 | SOUTH OF MARIANA ISLANDS |
| | 22 | 20 | 02 | 59.5* | 45.222 | N | 150.836 | E | 33 | N | 4.7 5.2 | 1.0 | 17 | KURIL ISLANDS |
| | 22 | 20 | 38 | 40.7 | 59.848 | N | 29.897 | W | 10 | G | 4.5 4.3 | 1.1 | 38 | NORTH ATLANTIC OCEAN |
| | 22 | 20 | 40 | 14.0? | 42.12 | S | 84.37 | W | 10 | G | | 1.2 | 8 | WEST CHILE RISE |
| | 22 | 21 | 54 | 53.6 | 59.750 | N | 29.583 | W | 10 | G | 4.6 3.9 | 0.8 | 41 | NORTH ATLANTIC OCEAN |
| | 22 | 21 | 57 | 42.4* | 39.894 | N | 21.614 | E | 10 | G | | 0.6 | 6 | GREECE. MD 3.3 (ATH). |
| | 22 | 23 | 54 | 26.3 | 59.614 | N | 29.758 | W | 10 | G | 4.6 4.4 | 1.0 | 41 | NORTH ATLANTIC OCEAN |
| | 23 | 01 | 10 | 08.1 | 39.287 | N | 20.535 | E | 33 | N | | 0.9 | 17 | GREECE-ALBANIA BORDER REGION. MD 3.4 (ATH). |
| | 23 | 01 | 30 | 46.2? | 25.45 | N | 123.46 | E | 229 | * | 4.1 | 0.7 | 13 | NORTHEAST OF TAIWAN |
| | 23 | 04 | 19 | 24.4? | 51.29 | N | 16.19 | E | 10 | G | | 0.7 | 7 | POLAND. ML 3.5 (VKA). |
| | 23 | 04 | 54 | 01.9? | 15.56 | S | 74.25 | W | 105 | * | 4.8 | 1.3 | 10 | NEAR COAST OF PERU |
| | 23 | 06 | 03 | 10.6& | 60.331 | N | 150.771 | W | 39 | | | | 35 | KENAI PENINSULA, ALASKA. <AGS-P>. |
| | 23 | 06 | 25 | 30.0 | 3.500 | N | 82.691 | W | 33 | N | 4.7 4.0 | 1.1 | 22 | SOUTH OF PANAMA |
| | 23 | 06 | 54 | 53.7? | 7.69 | S | 130.24 | E | 141 | ? | | 1.3 | 5 | TANIMBAR ISLANDS REGION |
| | 23 | 08 | 26 | 38.6? | 5.37 | S | 77.87 | W | 33 | N | 4.2 | 1.3 | 5 | NORTHERN PERU |
| | 23 | 08 | 50 | 37.1? | 21.33 | S | 172.05 | E | 33 | N | 4.5 | 1.4 | 7 | LOYALTY ISLANDS REGION |
| a | 23 | 09 | 01 | 29.1* | 14.947 | S | 176.531 | W | 33 | N | 5.0 5.2 | 1.0 | 58 | FIJI ISLANDS REGION |
| a | 23 | 10 | 10 | 20.5 | 0.159 | S | 124.884 | E | 61 | D | 5.7 | 1.1 | 237 | MOLUCCA SEA |
| | 23 | 10 | 55 | 36.6? | 5.61 | S | 129.52 | E | 176 | ? | 4.3 | 1.3 | 7 | BANDA SEA |
| | 23 | 13 | 00 | 24.4? | 1.10 | S | 129.76 | E | 33 | N | 3.8 | 1.6 | 6 | HALMAHERA |
| | 23 | 13 | 24 | 20.1? | 12.65 | N | 144.43 | E | 33 | N | 5.0 | 0.5 | 7 | SOUTH OF MARIANA ISLANDS. Felt (II) on Guam. |
| | 23 | 15 | 31 | 10.4* | 47.500 | N | 12.880 | E | 10 | G | | 1.7 | 5 | AUSTRIA. ML 2.0 (KBA). |
| | 23 | 16 | 37 | 48.8* | 1.025 | S | 80.251 | W | 33 | N | | 0.8 | 14 | NEAR COAST OF ECUADOR |
| | 23 | 17 | 31 | 52.9? | 29.09 | S | 177.74 | W | 33 | N | 4.8 | 1.4 | 17 | KERMADEC ISLANDS |
| | 23 | 17 | 56 | 37.2& | 58.254 | N | 142.702 | W | 10 | G | | | 18 | GULF OF ALASKA. <AGS-P>. |
| | 23 | 19 | 34 | 16.0 | 46.086 | N | 6.962 | E | 10 | G | | 1.2 | 17 | SWITZERLAND. ML 2.6 (LDG). |
| | 23 | 20 | 21 | 35.4% | 16.400 | N | 61.169 | W | 33 | N | | 0.8 | 5 | LEEWARD ISLANDS. ML 2.2 (FDF). |
| | 23 | 20 | 33 | 48.7 | 17.664 | N | 146.659 | E | 91 | * | 5.1 | 1.1 | 76 | MARIANA ISLANDS |
| | 23 | 20 | 51 | 30.8* | 9.163 | S | 118.515 | E | 33 | N | 4.5 | 0.9 | 7 | SUMBAWA ISLAND REGION |
| | 23 | 22 | 07 | 37.7* | 51.823 | N | 176.418 | E | 33 | N | 4.9 | 1.1 | 25 | RAT ISLANDS, ALEUTIAN ISLANDS |
| | 23 | 22 | 29 | 23.6? | 24.28 | S | 179.82 | W | 538 | ? | 4.6 | 1.1 | 23 | SOUTH OF FIJI ISLANDS |
| | 24 | 00 | 45 | 40.7 | 35.430 | N | 3.789 | W | 33 | N | | 1.2 | 18 | STRAIT OF GIBRALTAR. MG 3.5 (MDD). |
| | 24 | 01 | 44 | 18.7 | 43.632 | N | 10.963 | E | 10 | G | | 0.8 | 20 | CENTRAL ITALY. ML 2.7 (LDG). MD 2.8 (FIR). |
| | 24 | 02 | 30 | 57.5 | 40.673 | N | 23.137 | E | 10 | G | | 0.7 | 12 | GREECE. ML 3.1 (SKO). |
| | 24 | 02 | 37 | 37.5? | 51.90 | N | 20.98 | E | 10 | G | | 0.8 | 5 | POLAND. ML 2.8 (WAR). |
| | 24 | 02 | 49 | 05.2* | 46.413 | N | 12.699 | E | 10 | G | | 0.6 | 5 | NORTHERN ITALY. ML 1.8 (KBA). |
| | 24 | 03 | 40 | 00.9 | 48.041 | N | 6.708 | E | 10 | G | | 0.4 | 6 | FRANCE. ML 2.1 (LDG). |
| | 24 | 03 | 40 | 48.8* | 41.145 | N | 20.312 | E | 5 | G | | 0.7 | 5 | ALBANIA. ML 3.1 (SKO), 2.8 (TTG). |
| | 24 | 07 | 34 | 24.0 | 35.399 | N | 135.708 | E | 344 | | 4.2 | 0.9 | 29 | SOUTHERN HONSHU, JAPAN |
| | 24 | 09 | 49 | 34.5 | 41.158 | N | 20.388 | E | 5 | G | | 0.8 | 7 | ALBANIA. ML 3.4 (SKO), 2.6 (TTG). |
| | 24 | 10 | 11 | 29.7* | 58.049 | S | 25.242 | W | 33 | N | 5.1 | 1.2 | 21 | SOUTH SANDWICH ISLANDS REGION |
| | 24 | 10 | 16 | 11.4 | 44.518 | N | 141.240 | E | 258 | D | 4.3 | 0.9 | 74 | HOKKAIDO, JAPAN REGION |
| | 24 | 10 | 44 | 22.7* | 40.106 | N | 113.012 | E | 20 | * | | 1.1 | 6 | NORTHEASTERN CHINA. ML 3.7 (BJI). |
| | 24 | 15 | 03 | 45.5& | 58.876 | N | 152.229 | W | 57 | | | | 21 | KODIAK ISLAND REGION. <AGS-P>. |
| | 24 | 16 | 12 | 02.3& | 35.480 | N | 118.360 | W | 5 | | | | 13 | CENTRAL CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt in the Lake Isabella area. |
| | 24 | 16 | 35 | 50.8? | 29.72 | S | 178.06 | W | 33 | N | 4.7 | 1.0 | 10 | KERMADEC ISLANDS |
| | 24 | 17 | 43 | 32.6 | 6.588 | S | 149.294 | E | 40 | * | 5.2 4.7 | 1.2 | 40 | NEW BRITAIN REGION |
| | 24 | 18 | 28 | 29.2 | 52.977 | N | 107.730 | E | 33 | N | 4.5 4.4 | 1.2 | 22 | LAKE BAIKAL REGION. Felt (IV) at Kudara, Oymur and Sukhora; (II) at Ulan-Ude and Irkutsk. |
| | 24 | 19 | 02 | 15.7 | 21.315 | S | 68.402 | W | 114 | * | 4.7 | 1.2 | 17 | CHILE-BOLIVIA BORDER REGION |
| | 24 | 19 | 29 | 32.9 | 52.966 | N | 107.610 | E | 33 | N | 4.4 | 0.9 | 18 | LAKE BAIKAL REGION |
| | 24 | 21 | 30 | 50.5? | 6.38 | S | 149.51 | E | 33 | N | 4.2 | 0.7 | 6 | NEW BRITAIN REGION |
| | 24 | 21 | 49 | 38.1? | 15.05 | N | 60.41 | W | 33 | N | | 0.2 | 5 | LEEWARD ISLANDS. ML 2.6 (FDF). |
| | 24 | 22 | 12 | 49.4? | 6.22 | S | 149.73 | E | 33 | N | 3.9 | 0.8 | 6 | NEW BRITAIN REGION |
| | 24 | 23 | 34 | 11.0% | 46.769 | N | 2.914 | E | 10 | G | | 0.5 | 6 | FRANCE. ML 1.4 (LDG). |
| a | 25 | 00 | 33 | 53.5* | 16.843 | S | 172.572 | W | 26 | D | 5.1 5.0 | 1.1 | 67 | SAMOA ISLANDS REGION |
| | 25 | 01 | 00 | 46.9& | 34.180 | N | 116.410 | W | 3 | | | | 7 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). |
| | 25 | 01 | 07 | 46.2& | 58.063 | N | 143.217 | W | 10 | G | 4.1 | | 39 | GULF OF ALASKA. <AGS-P>. ML 3.6 (PMR). |
| | 25 | 01 | 34 | 00.7 | 22.211 | S | 68.473 | W | 126 | D | 4.8 | 1.0 | 65 | NORTHERN CHILE |
| | 25 | 03 | 05 | 06.4 | 34.951 | N | 32.849 | E | 10 | G | | 0.5 | 6 | CYPRUS |
| | 25 | 05 | 00 | 14.6* | 2.103 | S | 137.336 | E | 33 | N | 3.9 | 1.5 | 12 | WEST IRIAN |
| | 25 | 05 | 11 | 04.4 | 54.877 | N | 161.958 | E | 33 | N | 5.0 4.5 | 0.8 | 87 | NEAR EAST COAST OF KAMCHATKA |
| | 25 | 05 | 23 | 59.5? | 46.69 | N | 154.30 | E | 33 | N | 4.4 | 1.1 | 9 | KURIL ISLANDS REGION |
| | 25 | 05 | 25 | 30.6& | 57.909 | N | 142.673 | W | 10 | G | | | 37 | GULF OF ALASKA. <AGS-P>. ML 3.5 (PMR). |
| | 25 | 06 | 03 | 51.2? | 35.80 | S | 99.30 | W | 10 | G | 4.5 | 0.9 | 7 | SOUTHERN PACIFIC OCEAN |
| | 25 | 06 | 39 | 46.3 | 17.302 | N | 94.549 | W | 120 | | 4.4 | 0.8 | 49 | CHIAPAS, MEXICO |
| | 25 | 10 | 00 | 01.6* | 40.857 | N | 20.402 | E | 31 | | | 1.2 | 12 | GREECE-ALBANIA BORDER REGION. ML 3.0 (TTG). |
| | 25 | 16 | 43 | 42.0* | 51.538 | N | 175.140 | W | 33 | N | 4.3 | 1.3 | 10 | ANDREANOF ISLANDS, ALEUTIAN IS. |
| | 25 | 17 | 13 | 55.8* | 6.025 | S | 151.696 | E | 41 | * | 4.3 | 1.5 | 16 | NEW BRITAIN REGION |
| | 25 | 18 | 15 | 48.8& | 33.120 | N | 115.740 | W | 3 | | | | 7 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.5 (PAS). |
| | 25 | 18 | 39 | 34.7 | 6.307 | S | 130.068 | E | 153 | * | 4.9 | 1.2 | 38 | BANDA SEA |
| | 25 | 18 | 45 | 51.5% | 35.932 | N | 4.568 | W | 100 | ? | | 0.8 | 11 | STRAIT OF GIBRALTAR. MG 3.3 (MDD). |
| | 25 | 19 | 29 | 10.0? | 3.76 | S | 81.40 | W | 33 | N | 4.6 | 1.4 | 10 | NEAR COAST OF NORTHERN PERU |
| | 25 | 19 | 36 | 19.8 | 16.338 | S | 120.642 | E | 10 | G | 4.8 | 1.1 | 12 | NORTHWEST OF AUSTRALIA |
| | 25 | 20 | 39 | 14.1% | 43.101 | N | 18.844 | E | 10 | G | | 0.6 | 9 | YUGOSLAVIA. ML 2.3 (TTG). |
| | 25 | 22 | 06 | 04.9? | 9.78 | S | 148.41 | E | 33 | N | 3.4 | 0.9 | 5 | EAST PAPUA NEW GUINEA REGION. ML 4.0 (PMG). |
| a | 25 | 22 | 56 | 48.9 | 19.830 | S | 175.682 | W | 196 | G | 5.7 | 1.0 | 232 | TONGA ISLANDS. Depth from broadband displacement seismograms. |
| | 26 | 00 | 00 | 34.7? | 30.64 | S | 72.97 | W | 33 | N | | 0.6 | 6 | OFF COAST OF CENTRAL CHILE |
| | 26 | 00 | 01 | 32.6& | 58.145 | N | 143.307 | W | 10 | G | 4.8 | | 96 | GULF OF ALASKA. <AGS-P>. |
| | 26 | 00 | 08 | 09.8* | 54.099 | N | 165.177 | W | 83 | * | 4.5 | 0.9 | 44 | FOX ISLANDS, ALEUTIAN ISLANDS |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 26 | 01 | 03 | 00.2* | 32.126 | N | 76.695 | E | 33 | N | 4.3 | 1.1 | 10 | KASHMIR-INDIA BORDER REGION. Felt strongly at Mandi, India. |
| | 26 | 03 | 45 | 18.7% | 39.366 | N | 17.292 | E | 10 | G | | 1.2 | 7 | SOUTHERN ITALY |
| | 26 | 06 | 44 | 59.1 | 41.191 | N | 72.049 | E | 33 | N | 4.6 | 0.9 | 31 | KIRGHIZ SSR. Felt (V) at Tash-Kumyr; (IV) at Kara-Kul, Namangan, Andizhan and Fergana; (III) at Osh. |
| | 26 | 07 | 23 | 59.2* | 43.107 | N | 17.899 | E | 10 | G | | 0.7 | 6 | YUGOSLAVIA. ML 2.6 (TTG). |
| | 26 | 07 | 36 | 49.0? | 32.76 | N | 34.91 | E | 10 | G | | 1.2 | 5 | DEAD SEA REGION |
| | 26 | 07 | 45 | 14.4 | 36.847 | N | 27.696 | E | 31 | | 4.6 | 1.0 | 65 | DODECANESE ISLANDS. ML 4.6 (ATH). |
| | 26 | 08 | 58 | 33.6? | 45.53 | N | 151.31 | E | 33 | N | 4.9 | 1.3 | 18 | KURIL ISLANDS |
| | 26 | 10 | 28 | 51.9* | 36.666 | N | 28.584 | E | 33 | N | | 1.2 | 5 | DODECANESE ISLANDS. ML 4.1 (ATH). |
| | 26 | 10 | 54 | 43.5 | 13.974 | S | 167.184 | E | 234 | * | 4.9 | 1.0 | 72 | VANUATU ISLANDS |
| | 26 | 11 | 48 | 25.7 | 21.561 | S | 81.607 | E | 10 | G | 5.3 | 0.7 | 45 | SOUTH INDIAN OCEAN |
| | 26 | 11 | 55 | 59.4% | 42.720 | N | 18.852 | E | 10 | G | | 0.7 | 6 | YUGOSLAVIA. ML 2.2 (TTG). |
| | 26 | 12 | 25 | 36.7? | 18.53 | S | 177.69 | W | 533 | ? | 4.3 | 1.1 | 15 | FIJI ISLANDS REGION |
| | 26 | 12 | 37 | 14.7% | 42.729 | N | 19.143 | E | 10 | G | | 0.3 | 5 | YUGOSLAVIA. ML 2.1 (TTG). |
| | 26 | 14 | 32 | 17.5? | 36.69 | N | 8.59 | W | 33 | N | | 0.7 | 16 | WEST OF GIBRALTAR. MG 3.7 (MDD). |
| | 26 | 15 | 27 | 03.9& | 58.300 | N | 143.401 | W | 10 | G | | | 21 | GULF OF ALASKA. <AGS-P>. |
| | 26 | 15 | 32 | 47.5* | 28.004 | N | 139.439 | E | 515 | ? | 4.0 | 1.2 | 12 | BONIN ISLANDS REGION |
| | 26 | 16 | 57 | 40.8 | 59.818 | N | 6.520 | E | 10 | G | | 0.5 | 12 | SOUTHERN NORWAY. ML 3.3 (BER). |
| | 26 | 17 | 27 | 24.7 | 16.066 | S | 167.593 | E | 23 | * | 4.9 4.5 | 1.1 | 55 | VANUATU ISLANDS |
| | 26 | 19 | 10 | 06.0? | 2.67 | N | 127.00 | E | 33 | N | 4.5 | 1.4 | 13 | MOLUCCA PASSAGE |
| | 26 | 19 | 51 | 39.1 | 18.013 | S | 178.605 | W | 624 | ? | 4.6 | 0.8 | 52 | FIJI ISLANDS REGION |
| | 26 | 19 | 55 | 36.9& | 58.734 | N | 142.983 | W | 10 | G | | | 34 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 26 | 20 | 17 | 52.7 | 16.066 | N | 98.386 | W | 21 | D | 5.2 | 0.9 | 75 | NEAR COAST OF GUERRERO, MEXICO |
| | 26 | 20 | 47 | 31.1& | 58.886 | N | 143.038 | W | 10 | G | | | 24 | GULF OF ALASKA. <AGS-P>. |
| | 26 | 20 | 54 | 09.5 | 44.227 | N | 12.192 | E | 10 | G | | 0.8 | 22 | NORTHERN ITALY. ML 3.2 (KBA), 3.0 (LDG). |
| | 26 | 21 | 37 | 59.5? | 31.62 | S | 70.41 | W | 122 | ? | | 1.1 | 7 | CHILE-ARGENTINA BORDER REGION |
| | 26 | 21 | 49 | 19.3 | 34.246 | N | 22.579 | E | 33 | N | 4.0 | 1.1 | 13 | MEDITERRANEAN SEA |
| | 26 | 23 | 03 | 26.1 | 9.189 | S | 157.983 | E | 31 | * | 4.8 3.7 | 1.1 | 24 | SOLOMON ISLANDS |
| | 26 | 23 | 07 | 13.7% | 38.694 | N | 15.596 | E | 33 | N | | 0.5 | 7 | SICILY |
| | 26 | 23 | 23 | 32.2? | 34.97 | S | 70.25 | W | 134 | ? | | 1.1 | 5 | CHILE-ARGENTINA BORDER REGION |
| | 26 | 23 | 24 | 22.0% | 43.956 | N | 12.413 | E | 10 | G | | 0.8 | 8 | CENTRAL ITALY |
| | 26 | 23 | 33 | 30.9 | 38.355 | N | 91.348 | E | 33 | N | 4.5 | 1.0 | 19 | QINGHAI PROVINCE, CHINA |
| | 26 | 23 | 43 | 18.7* | 16.897 | N | 61.890 | W | 136 | ? | | 0.3 | 12 | LEEWARD ISLANDS |
| | 27 | 00 | 21 | 01.3 | 46.338 | N | 12.979 | E | 10 | G | | 0.9 | 6 | NORTHERN ITALY. ML 2.4 (KBA). |
| | 27 | 01 | 08 | 12.0* | 49.489 | S | 125.979 | E | 10 | G | 4.8 4.5 | 1.3 | 29 | SOUTH OF AUSTRALIA |
| | 27 | 03 | 05 | 04.7 | 49.864 | N | 78.758 | E | 0 | G | 6.1 4.5 | 0.8 | 411 | EASTERN KAZAKH SSR |
| | 27 | 04 | 40 | 53.9% | 42.451 | N | 19.601 | E | 10 | G | | 0.9 | 6 | YUGOSLAVIA. MD 2.2 (TTG). |
| | 27 | 07 | 16 | 09.4 | 24.399 | N | 122.536 | E | 33 | N | 4.3 | 1.3 | 28 | TAIWAN REGION |
| | 27 | 07 | 38 | 27.6& | 61.651 | N | 150.179 | W | 49 | | | | 33 | SOUTHERN ALASKA. <AGS-P>. |
| | 27 | 08 | 06 | 17.1* | 46.814 | N | 7.484 | E | 10 | G | | 1.1 | 7 | SWITZERLAND. ML 2.5 (LDG). |
| | 27 | 08 | 07 | 04.2% | 23.846 | S | 114.334 | E | 10 | G | | 0.2 | 5 | WESTERN AUSTRALIA |
| | 27 | 13 | 03 | 35.8% | 15.458 | N | 60.981 | W | 33 | N | | 0.9 | 6 | LEEWARD ISLANDS. ML 2.5 (FDF). |
| | 27 | 16 | 23 | 10.8* | 50.968 | N | 157.203 | E | 33 | N | 4.7 | 1.0 | 36 | KURIL ISLANDS |
| | 27 | 17 | 13 | 11.0 | 5.656 | S | 147.605 | E | 148 | * | 4.8 | 1.1 | 14 | EAST PAPUA NEW GUINEA REGION |
| | 27 | 19 | 18 | 11.9* | 31.848 | N | 103.586 | E | 33 | N | 4.4 | 1.5 | 12 | SICHUAN PROVINCE, CHINA |
| | 27 | 20 | 37 | 57.0 | 16.656 | S | 72.881 | W | 73 | | 4.9 | 1.0 | 39 | NEAR COAST OF PERU |
| | 28 | 02 | 02 | 14.2% | 42.671 | N | 18.991 | E | 10 | G | | 0.4 | 9 | YUGOSLAVIA. ML 2.6 (TTG). |
| | 28 | 03 | 04 | 36.7& | 32.700 | N | 115.790 | W | 6 | G | | | 6 | CALIFORNIA-MEXICO BORDER REGION. <PAS-P>. ML 3.2 (PAS). |
| | 28 | 03 | 42 | 20.6 | 13.933 | N | 92.202 | W | 50 | ? | 4.6 | 0.8 | 19 | OFF COAST OF CHIAPAS, MEXICO |
| | 28 | 04 | 04 | 55.8 | 46.301 | N | 6.534 | E | 10 | G | | 1.0 | 12 | SWITZERLAND. ML 2.8 (LDG). |
| | 28 | 04 | 19 | 15.9 | 19.213 | S | 67.274 | W | 240 | | 4.6 | 1.1 | 32 | SOUTHERN BOLIVIA |
| | 28 | 04 | 57 | 53.9 | 46.253 | N | 12.650 | E | 10 | | | 1.0 | 77 | NORTHERN ITALY. ML 4.0 (GRF), 3.6 (FUR). MD 3.5 (TRI). Felt (IV) at Claut, Forni di Sopra and Forni di Sotto. |
| | 28 | 06 | 54 | 08.5& | 58.849 | N | 142.932 | W | 10 | G | | | 16 | GULF OF ALASKA. <AGS-P>. |
| | 28 | 07 | 31 | 21.8* | 9.720 | N | 126.170 | E | 33 | N | 5.0 | 0.9 | 15 | MINDANAO, PHILIPPINE ISLANDS |
| | 28 | 07 | 46 | 53.2 | 8.721 | S | 121.587 | E | 159 | * | 4.8 | 1.0 | 22 | FLORES ISLAND REGION |
| o | 28 | 08 | 16 | 21.3 | 28.055 | S | 70.615 | W | 52 | D | 6.1 | 0.9 | 303 | CENTRAL CHILE. Felt at Copiapo. Felt (II) at Mendoza, Argentina. |
| | 28 | 08 | 52 | 19.3* | 10.012 | S | 118.572 | E | 33 | N | 3.3 | 0.6 | 6 | SOUTH OF SUMBAWA ISLAND |
| | 28 | 09 | 19 | 06.2? | 34.93 | N | 23.09 | E | 10 | G | 4.0 | 0.9 | 6 | CRETE. ML 4.0 (ATH). |
| | 28 | 10 | 39 | 40.0% | 42.101 | N | 19.976 | E | 10 | G | | 0.2 | 6 | YUGOSLAVIA. ML 2.4 (TTG). |
| | 28 | 11 | 06 | 00.3? | 52.15 | N | 169.54 | W | 33 | N | 4.6 | 0.7 | 8 | FOX ISLANDS, ALEUTIAN ISLANDS |
| a | 28 | 13 | 24 | 39.3 | 14.355 | S | 167.197 | E | 231 | | 4.9 | 1.1 | 112 | VANUATU ISLANDS |
| | 28 | 13 | 36 | 57.6? | 17.64 | S | 175.57 | W | 33 | N | 4.8 | 1.3 | 9 | TONGA ISLANDS |
| a | 28 | 14 | 40 | 06.8 | 19.301 | N | 121.168 | E | 28 | | 5.4 5.4 | 1.1 | 109 | PHILIPPINE ISLANDS REGION |
| | 28 | 16 | 52 | 54.6 | 4.666 | S | 126.627 | E | 427 | | 4.9 | 1.0 | 34 | BANDA SEA |
| | 28 | 17 | 44 | 50.7? | 6.72 | S | 150.38 | E | 33 | N | 3.9 | 1.2 | 5 | NEW BRITAIN REGION |
| | 28 | 18 | 52 | 33.3? | 17.11 | S | 179.58 | W | 591 | ? | 4.3 | 0.7 | 20 | FIJI ISLANDS REGION |
| | 28 | 20 | 00 | 54.3& | 58.541 | N | 154.125 | W | 84 | | | | 25 | ALASKA PENINSULA. <AGS-P>. |
| | 28 | 21 | 00 | 02.3 | 31.790 | N | 103.594 | E | 33 | N | 4.4 | 1.3 | 12 | SICHUAN PROVINCE, CHINA. ML 3.9 (BJI). |
| | 28 | 21 | 54 | 47.9* | 8.979 | S | 131.105 | E | 49 | * | 4.6 | 0.6 | 7 | TANIMBAR ISLANDS REGION |
| | 28 | 22 | 15 | 54.7* | 10.141 | S | 116.555 | E | 33 | N | 4.2 | 1.3 | 8 | SOUTH OF SUMBAWA ISLAND |
| | 28 | 23 | 12 | 56.4% | 31.100 | S | 117.736 | E | 10 | G | | 1.2 | 6 | WESTERN AUSTRALIA |
| | 28 | 23 | 33 | 31.0* | 31.493 | S | 68.337 | W | 88 | * | | 0.4 | 6 | SAN JUAN PROVINCE, ARGENTINA |
| | 29 | 00 | 15 | 25.6 | 48.265 | N | 7.644 | E | 10 | G | | 1.0 | 8 | FRANCE. ML 2.7 (LDG). |
| | 29 | 00 | 26 | 21.7 | 46.915 | N | 113.076 | W | 5 | G | | 0.7 | 10 | MONTANA. ML 3.1 (BUT). |
| | 29 | 01 | 10 | 02.4* | 11.639 | S | 117.869 | E | 33 | N | 4.4 | 0.8 | 7 | SOUTH OF SUMBAWA ISLAND |
| | 29 | 03 | 09 | 47.8* | 10.181 | S | 150.135 | E | 33 | N | 3.2 | 1.1 | 5 | EAST PAPUA NEW GUINEA REGION |
| | 29 | 04 | 21 | 06.6* | 37.430 | N | 70.457 | E | 33 | N | 4.6 | 1.5 | 6 | AFGHANISTAN-USSR BORDER REGION |
| | 29 | 04 | 26 | 07.9 | 34.098 | N | 26.415 | E | 33 | N | 4.0 | 0.9 | 14 | CRETE |
| | 29 | 04 | 45 | 29.1% | 16.031 | N | 60.743 | W | 29 | * | | 1.2 | 8 | LEEWARD ISLANDS. ML 2.5 (FDF). |
| | 29 | 09 | 05 | 06.8% | 44.331 | N | 6.682 | E | 10 | G | | 0.3 | 6 | FRANCE. ML 2.4 (LDG). |
| | 29 | 10 | 05 | 28.9* | 4.506 | S | 149.898 | E | 33 | N | 4.1 | 1.1 | 7 | BISMARCK SEA |
| | 29 | 10 | 14 | 40.5* | 59.978 | S | 26.642 | W | 32 | D | 5.0 | 0.9 | 14 | SOUTH SANDWICH ISLANDS REGION |
| | 29 | 10 | 17 | 18.2& | 33.550 | N | 117.200 | W | 6 | G | | | 22 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.1 (PAS). Felt (III) at Lakeview and Murrieta. |
| | 29 | 12 | 28 | 26.2& | 59.938 | N | 152.922 | W | 95 | | | | 24 | SOUTHERN ALASKA. <AGS-P>. |
| | 29 | 13 | 12 | 53.4 | 42.765 | N | 12.584 | E | 16 | | | 1.2 | 34 | CENTRAL ITALY. ML 3.6 (KBA). MD 3.8 (TRI). |
| | 29 | 13 | 40 | 22.1& | 61.939 | N | 151.829 | W | 109 | | 3.6 | | 43 | SOUTHERN ALASKA. <AGS-P>. |
| | 29 | 17 | 24 | 27.4* | 23.098 | N | 120.266 | E | 10 | G | | 0.8 | 7 | TAIWAN |
| | 29 | 17 | 44 | 01.0* | 2.396 | N | 127.063 | E | 33 | N | 4.5 | 1.0 | 9 | MOLUCCA PASSAGE |
| | 29 | 20 | 05 | 02.3* | 23.195 | S | 67.927 | W | 139 | * | 4.4 | 1.0 | 13 | CHILE-ARGENTINA BORDER REGION |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 29 | 20 | 20 | 55.1% | 10.448 | N | 84.969 | W | 33 | N | | | 1.4 | 8 | COSTA RICA. MD 4.0 (HDC). Felt on the Santa Elena Peninsula. |
| | 29 | 20 | 34 | 53.5& | 38.812 | N | 122.763 | W | 0 | | | | | 11 | NORTHERN CALIFORNIA. <BRK>. ML 3.1 (BRK). Felt at Cobb. |
| | 29 | 21 | 35 | 54.6& | 60.218 | N | 152.708 | W | 100 | | 3.9 | | | 40 | SOUTHERN ALASKA. <AGS-P>. |
| | 29 | 21 | 41 | 05.3% | 42.747 | N | 12.537 | E | 10 | G | | | 1.0 | 6 | CENTRAL ITALY |
| | 29 | 22 | 21 | 42.3* | 7.584 | S | 156.125 | E | 29 | * | 3.7 | | 0.6 | 6 | SOLOMON ISLANDS |
| | 29 | 22 | 58 | 56.4? | 20.53 | S | 178.80 | W | 628 | ? | 4.0 | | 0.5 | 10 | FIJI ISLANDS REGION |
| | 30 | 00 | 30 | 41.3& | 60.499 | N | 152.480 | W | 95 | | | | | 32 | SOUTHERN ALASKA. <AGS-P>. |
| | 30 | 00 | 43 | 18.2 | 44.032 | N | 128.375 | W | 10 | G | 4.6 | | 0.7 | 21 | OFF COAST OF OREGON |
| | 30 | 01 | 09 | 10.9& | 37.782 | N | 122.585 | W | 11 | | | | | 16 | CENTRAL CALIFORNIA. <BRK>. ML 3.1 (BRK). Mo=8.4*10**13 Nm (BRK). Felt (IV) at San Francisco. Also felt at Daly City, Pacifico and South San Francisco. |
| | 30 | 03 | 28 | 41.2* | 41.584 | N | 22.321 | E | 10 | G | | | 1.0 | 8 | YUGOSLAVIA |
| | 30 | 03 | 32 | 39.9% | 38.236 | N | 0.840 | W | 10 | G | | | 0.6 | 6 | SPAIN. MG 2.8 (MDD). |
| | 30 | 03 | 45 | 36.7? | 6.46 | S | 130.71 | E | 161 | ? | 4.0 | | 1.2 | 9 | BANDA SEA |
| | 30 | 04 | 06 | 10.9* | 32.368 | S | 66.594 | W | 33 | N | | | 1.6 | 5 | SAN LUIS PROVINCE, ARGENTINA |
| | 30 | 05 | 51 | 47.4& | 58.457 | N | 152.672 | W | 67 | | | | | 29 | KODIAK ISLAND REGION. <AGS-P>. |
| | 30 | 06 | 39 | 04.6 | 7.200 | S | 129.433 | E | 149 | * | 5.1 | | 1.3 | 46 | BANDA SEA |
| | 30 | 06 | 43 | 18.7& | 37.802 | N | 121.735 | W | 7 | | | | | 20 | CENTRAL CALIFORNIA. <BRK>. ML 3.7 (BRK). Mo=5.0*10**14 Nm (BRK). Felt (IV) at Dublin, Livermore and Pleasanton. |
| | 30 | 08 | 31 | 21.6* | 6.828 | N | 73.041 | W | 166 | | | | 1.3 | 11 | NORTHERN COLOMBIA |
| | 30 | 08 | 54 | 47.9& | 59.991 | N | 152.744 | W | 93 | | | | | 37 | SOUTHERN ALASKA. <AGS-P>. |
| | 30 | 11 | 02 | 43.5* | 33.533 | N | 140.694 | E | 78 | ? | 4.9 | | 0.8 | 13 | SOUTH OF HONSHU, JAPAN |
| a | 30 | 11 | 56 | 19.2 | 35.053 | S | 70.797 | W | 90 | D | 5.7 | | 1.1 | 119 | CHILE-ARGENTINA BORDER REGION |
| | 30 | 12 | 46 | 45.7* | 9.639 | S | 159.575 | E | 22 | | 4.9 | | 0.7 | 13 | SOLOMON ISLANDS. Felt (III) at Honiaro. |
| | 30 | 16 | 17 | 08.2 | 36.826 | N | 27.731 | E | 23 | | 4.8 | 4.0 | 1.1 | 124 | DODECANESE ISLANDS. ML 4.5 (ATH), 4.2 (CSS). |
| | 30 | 16 | 18 | 12.6* | 53.886 | N | 165.797 | W | 33 | N | 4.8 | | 1.4 | 32 | FOX ISLANDS, ALEUTIAN ISLANDS. ML 5.0 (PMR). |
| | 30 | 17 | 26 | 04.0* | 14.131 | N | 91.997 | W | 84 | | 4.2 | | 0.7 | 18 | GUATEMALA |
| | 30 | 18 | 17 | 44.6* | 12.389 | N | 125.176 | E | 129 | ? | 4.5 | | 1.3 | 23 | SAMAR, PHILIPPINE ISLANDS |
| | 30 | 19 | 01 | 30.8* | 36.328 | N | 141.110 | E | 53 | | 4.3 | | 0.7 | 15 | NEAR EAST COAST OF HONSHU, JAPAN. Felt (II JMA) at Mito. |
| | 30 | 19 | 26 | 07.7 | 42.285 | N | 19.933 | E | 10 | G | | | 0.8 | 6 | YUGOSLAVIA. ML 2.0 (TTG). |
| o | 30 | 20 | 19 | 25.6 | 26.837 | S | 177.307 | W | 104 | D | 5.1 | | 1.1 | 57 | SOUTH OF FIJI ISLANDS |
| | 30 | 20 | 48 | 57.3* | 4.272 | N | 128.566 | E | 33 | N | 4.7 | | 1.0 | 23 | NORTH OF HALMAHERA |
| a | 30 | 21 | 16 | 29.5 | 6.498 | S | 148.960 | E | 22 | | 5.4 | 5.7 | 1.2 | 150 | NEW BRITAIN REGION. ML 5.7 (PMG). |
| | 30 | 21 | 58 | 57.8? | 6.32 | S | 149.31 | E | 33 | N | 4.3 | | 1.3 | 7 | NEW BRITAIN REGION. ML 3.9 (PMG). |
| | 30 | 22 | 05 | 46.1? | 6.05 | S | 149.94 | E | 33 | N | 3.8 | | 0.7 | 5 | NEW BRITAIN REGION. ML 3.9 (PMG). |
| | 30 | 22 | 18 | 28.8& | 58.111 | N | 142.836 | W | 10 | G | | | | 6 | GULF OF ALASKA. <AGS-P>. |
| | 30 | 22 | 32 | 43.4& | 62.256 | N | 151.156 | W | 84 | | | | | 26 | CENTRAL ALASKA. <AGS-P>. |
| | 30 | 22 | 34 | 28.5 | 27.498 | S | 67.432 | W | 139 | | 4.8 | | 1.1 | 43 | CATAMARCA PROVINCE, ARGENTINA |
| | 30 | 22 | 50 | 40.9 | 38.444 | N | 116.080 | W | 5 | G | | | 0.5 | 24 | NEVADA. ML 4.2 (BRK). |
| | 30 | 23 | 39 | 43.3& | 37.503 | N | 118.848 | W | 9 | | | | | 26 | CALIFORNIA-NEVADA BORDER REGION. <BRK>. ML 3.2 (BRK), 3.3 (PAS). |
| | 31 | 00 | 25 | 56.6? | 7.29 | S | 128.35 | E | 110 | ? | 4.4 | | 1.0 | 10 | BANDA SEA |
| a | 31 | 00 | 31 | 35.2 | 6.400 | S | 149.100 | E | 35 | | 5.3 | 4.9 | 1.0 | 70 | NEW BRITAIN REGION. ML 5.4 (PMG). |
| | 31 | 03 | 07 | 12.9? | 11.37 | N | 41.75 | E | 10 | G | | | 0.2 | 7 | ETHIOPIA |
| | 31 | 03 | 12 | 58.9& | 59.815 | N | 152.246 | W | 70 | | | | | 32 | SOUTHERN ALASKA. <AGS-P>. |
| | 31 | 03 | 53 | 11.8& | 58.420 | N | 142.783 | W | 10 | G | | | | 35 | GULF OF ALASKA. <AGS-P>. ML 3.7 (PMR). |
| | 31 | 05 | 08 | 33.4* | 13.371 | S | 166.238 | E | 33 | N | 4.5 | 4.2 | 0.9 | 16 | VANUATU ISLANDS |
| | 31 | 05 | 15 | 35.3 | 43.196 | N | 20.118 | E | 10 | G | | | 0.8 | 11 | YUGOSLAVIA. ML 2.6 (TTG). |
| | 31 | 06 | 10 | 13.6 | 45.578 | N | 26.968 | E | 10 | G | | | 0.9 | 6 | ROMANIA |
| o | 31 | 06 | 29 | 33.5 | 60.069 | S | 26.522 | W | 15 | D | 5.3 | 5.5 | 1.0 | 54 | SOUTH SANDWICH ISLANDS REGION |
| | 31 | 06 | 43 | 39.2? | 39.83 | N | 27.46 | E | 10 | G | | | 0.9 | 7 | TURKEY |
| | 31 | 07 | 53 | 10.3& | 61.103 | N | 149.366 | W | 39 | | | | | 41 | SOUTHERN ALASKA. <AGS-P>. ML 3.2 (PMR). |
| | 31 | 08 | 59 | 59.2? | 6.42 | S | 149.60 | E | 33 | N | | | 1.3 | 5 | NEW BRITAIN REGION |
| | 31 | 10 | 43 | 07.4 | 53.924 | N | 35.436 | W | 10 | G | 4.8 | | 0.9 | 25 | NORTH ATLANTIC OCEAN |
| | 31 | 11 | 01 | 12.6& | 59.772 | N | 153.407 | W | 117 | | | | | 41 | SOUTHERN ALASKA. <AGS-P>. |
| | 31 | 13 | 55 | 55.8% | 46.811 | N | 5.810 | E | 10 | G | | | 1.2 | 9 | FRANCE. ML 2.7 (LDG). |
| | 31 | 15 | 25 | 03.9* | 6.105 | S | 147.919 | E | 51 | * | 5.0 | 3.6 | 1.4 | 14 | EAST PAPUA NEW GUINEA REGION |
| | 31 | 15 | 27 | 58.1* | 42.142 | N | 19.152 | E | 10 | G | | | 0.8 | 5 | YUGOSLAVIA. MD 2.0 (TTG). |
| | 31 | 16 | 38 | 59.4? | 31.25 | S | 68.88 | W | 114 | ? | | | 1.3 | 6 | SAN JUAN PROVINCE, ARGENTINA |
| | 31 | 17 | 26 | 07.9 | 36.935 | N | 35.951 | E | 48 | * | 4.3 | | 1.2 | 34 | TURKEY |
| | 31 | 19 | 03 | 56.0 | 33.488 | N | 132.333 | E | 65 | | 4.9 | | 1.0 | 47 | SHIKOKU, JAPAN. Felt (II JMA) at Matsuyama and Shimonoseki; (I JMA) at Oito. |
| | 31 | 19 | 57 | 14.8* | 3.175 | N | 127.094 | E | 33 | N | 4.4 | | 1.4 | 24 | TALAUD ISLANDS |
| | 31 | 21 | 08 | 14.9& | 34.180 | N | 116.400 | W | 6 | G | | | | 7 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.0 (PAS). |
| | 31 | 21 | 34 | 01.3& | 34.180 | N | 116.420 | W | 2 | | | | | 14 | SOUTHERN CALIFORNIA. <PAS-P>. ML 3.9 (PAS). Felt (IV) at Joshua Tree and (III) at Landers. Also felt at Twentynine Palms. |
| | 31 | 21 | 49 | 54.8 | 39.577 | N | 27.782 | E | 6 | | | | 0.7 | 16 | TURKEY |
| | 31 | 23 | 50 | 17.5 | 6.210 | S | 131.410 | E | 33 | N | 4.7 | | 1.2 | 24 | TANIMBAR ISLANDS REGION |

# ADDITIONAL SOURCE PARAMETERS

01 12 03 59.77 57.953N 142.611W 10km
5.4mb ( 48 obs.) 5.7Msz ( 7 obs.)
GULF OF ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 35C
Centroid Location:
Origin Time 12:04: 0.3 0.4
Lat 58.05N 0.05 Lon 142.56W 0.07
Dep 15.0 FIX Half-duration 3.0
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 5.29 | 0 | 130 |
| N | 0.07 | 79 | 40 |
| P | -5.36 | 11 | 220 |

Best Double Couple:Mo=5.3*10**17
NP1:Strike=264 Dip=82 Slip= -8
NP2: 356 82 -172

01 18 23 32.78 22.094S 178.080W 388km
5.4mb ( 46 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 16C
Centroid Location:
Origin Time 18:23:35.4 1.3
Lat 22.38S 0.14 Lon 178.01W 0.15
Dep 375.0 6.3 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 11.07 | 50 | 124 |
| N | -0.26 | 5 | 28 |
| P | -10.82 | 40 | 294 |

Best Double Couple:Mo=1.1*10**17
NP1:Strike=342 Dip= 7 Slip= 44
NP2: 209 85 95

02 01 53 29.62 58.921N 142.888W 10km
5.1mb ( 39 obs.) 5.0Msz ( 6 obs.)
GULF OF ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 31C
Centroid Location:
Origin Time 01:53:32.7 0.7
Lat 58.82N 0.08 Lon 143.66W 0.13
Dep 15.0 FIX Half-duration 1.9
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.14 | 3 | 326 |
| N | 0.08 | 81 | 79 |
| P | -1.21 | 8 | 236 |

Best Double Couple:Mo=1.2*10**17
NP1:Strike= 11 Dip=82 Slip=-177
NP2: 281 87 -8

03 09 20 18.25 58.514N 142.664W 10km
5.1mb ( 42 obs.) 4.8Msz ( 3 obs.)
GULF OF ALASKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 30C
Centroid Location:
Origin Time 09:20:20.0 0.5
Lat 58.65N 0.05 Lon 142.77W 0.06
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.57 | 0 | 162 |
| N | 0.00 | 90 | 180 |
| P | -1.57 | 0 | 72 |

Best Double Couple:Mo=1.6*10**17
NP1:Strike=207 Dip=90 Slip= 180
NP2: 297 90 0

03 11 04 38.67 21.380S 68.215W 117km
5.5mb ( 22 obs.)
CHILE-BOLIVIA BORDER REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 13C
Centroid Location:
Origin Time 11:04:45.6 0.7
Lat 21.19S 0.07 Lon 69.26W 0.08
Dep 125.3 3.3 Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.85 | 9 | B2 |
| N | -0.51 | 8 | 350 |
| P | -1.34 | 78 | 221 |

Best Double Couple:Mo=1.6*10**17
NP1:Strike=181 Dip=36 Slip= -77
NP2: 345 55 -99

04 19 51 35.79 5.777S 154.555E 145km
5.9mb ( 41 obs.)
SOLOMON ISLANDS
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=100 Dip=57 Slip= -90
NP2: 280 33 -90
Principal Axes:

| | Plg= | Azm= |
|---|---|---|
| T | 12 | 190 |
| P | 78 | 10 |

Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting. The preferred fault plane is NP1.
RADIATED ENERGY
No. of sta: 7 Focal mech. M
Energy 1.5±0.4*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 148 No. of sta: 10
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 3.80 | 8 | 200 |
| N | -0.02 | 15 | 108 |
| P | -3.78 | 73 | 317 |

Best Double Couple:Mo=3.8*10**18
NP1:Strike=306 Dip=39 Slip= -66
NP2: 97 54 -108
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 38C M.W.: 13S, 26C
Centroid Locotion:
Origin Time 19:51:41.7 0.2
Lat 5.85S 0.01 Lon 154.42E 0.02
Dep 154.5 0.5 Half-duration 5.6
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 3.88 | 11 | 207 |
| N | 0.02 | 14 | 115 |
| P | -3.90 | 72 | 335 |

Best Double Couple:Mo=3.9*10**18
NP1:Strike=315 Dip=36 Slip= -65
NP2: 105 58 -107

06 00 48 23.67 3.681N 125.422E 39km
5.3mb ( 15 obs.)
TALAUD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 00:48:25.5 0.6
Lat 3.63N 0.09 Lon 124.88E 0.10
Dep 34.4 7.0 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 8.57 | 72 | 124 |
| N | 1.70 | 7 | 12 |
| P | -10.27 | 17 | 280 |

Best Double Couple:Mo=9.4*10**16
NP1:Strike=359 Dip=29 Slip= 76
NP2: 196 62 98

06 18 16 34.47 54.567N 161.438E 35km
5.4mb ( 71 obs.) 4.2Msz ( 3 obs.)
NEAR EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Locotion:
Origin Time 18:16:39.3 2.0
Lat 54.30N 0.14 Lon 161.88E 0.25
Dep 51.8 8.2 Half-duration 1.3
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 2.99 | 72 | 333 |
| N | 1.60 | 9 | 213 |
| P | -4.59 | 15 | 120 |

Best Double Couple:Mo=3.8*10**16
NP1:Strike=198 Dip=31 Slip= 72
NP2: 38 61 100

07 00 00 15.00 16.613S 172.613W 33km
5.3mb ( 22 obs.) 5.3Msz ( 4 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 22C
Centroid Location:
Origin Time 00:00:16.8 0.7
Lat 16.98S 0.10 Lon 172.6BW 0.12
Dep 15.0 FIX Half-durotion 2.0
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 2.04 | 52 | 285 |
| N | -0.03 | 0 | 16 |
| P | -2.02 | 38 | 106 |

Best Double Couple:Mo=2.0*10**17
NP1:Strike=198 Dip= 7 Slip= 93
NP2: 15 83 90

07 12 26 11.77 13.632S 167.393E 48km
5.7mb ( 32 obs.) 6.2Msz ( 16 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 19S, 51C M.W.: 6S, 13C
Centroid Location:
Origin Time 12:26:14.3 0.2
Lat 13.63S 0.02 Lon 167.45E 0.02
Dep 33.0 FIX Half-duration 6.0
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 3.07 | 16 | 153 |
| N | -0.06 | 69 | 292 |
| P | -3.01 | 13 | 59 |

Best Double Couple:Mo=3.0*10**18
NP1:Strike=196 Dip=69 Slip= 178
NP2: 287 88 21

07 13 14 34.98 13.559S 167.454E 33km
5.8mb ( 39 obs.) 6.3Msz ( 14 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 32C
Centroid Locotion:
Origin Time 13:14:40.3 0.3
Lat 13.42S 0.04 Lon 167.29E 0.04
Dep 15.0 FIX Half-duration 5.0
Principal Axes:
Scale 10**18 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.74 | 71 | 149 |
| N | 1.65 | 19 | 315 |
| P | -3.39 | 4 | 46 |

Best Double Couple:Mo=2.6*10**18
NP1:Strike=156 Dip=44 Slip= 118
NP2: 300 52 66

07 17 48 15.67 43.512N 127.251W 10km
5.0mb ( 24 obs.) 4.6Msz ( 1 obs.)
OFF COAST OF OREGON
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 21C
Centroid Locotion:
Origin Time 17:48:21.0 1.6
Lat 43.43N 0.19 Lon 127.59W 0.16
Dep 15.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 6.58 | 4 | 248 |
| N | 0.08 | 76 | 141 |
| P | -6.66 | 13 | 339 |

Best Double Couple:Mo=6.6*10**16
NP1:Strike= 23 Dip=78 Slip= -6
NP2: 115 84 -168

07 19 20 24.99 13.453S 167.35BE 33km
5.3mb ( 29 obs.) 5.1Msz ( 8 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 28C
Centroid Locotion:
Origin Time 19:20:28.0 0.6
Lat 13.41S 0.07 Lon 167.38E 0.06
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

| | Val= | Plg= | Azm= |
|---|---|---|---|
| T | 1.18 | 12 | 134 |
| N | 0.74 | 78 | 325 |
| P | -1.92 | 2 | 225 |

Best Double Couple:Mo=1.6*10**17
NP1:Strike=270 Dip=80 Slip= 7
NP2: 179 83 170

08 14 47 59.11 32.636S 112.034W 10km
5.5mb ( 28 obs.) 4.7Msz ( 2 obs.)
EASTER ISLAND CORDILLERA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 13C
Centroid Location:
Origin Time 14:48:11.6 2.2
Lat 32.88S 0.17 Lon 111.90W 0.20
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 2.77 Plg= 0 Azm=172
N -0.53 90 180
P -2.24 0 82
Best Double Couple:Mo=2.5*10**17
NP1:Strike=217 Dip=90 Slip= 180
NP2: 307 90 0

08 19 10 53.57 13.434S 167.380E 33km
5.2mb ( 18 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 19:10:54.7 0.8
Lat 13.44S 0.09 Lon 167.28E 0.11
Dep 15.0 FIX Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 10.02 Plg=63 Azm=316
N -1.52 21 177
P -8.50 16 81
Best Double Couple:Mo=9.3*10**16
NP1:Strike=142 Dip=34 Slip= 50
NP2: 8 64 114

08 19 56 54.39 40.585S 44.574E 10km
5.4mb ( 16 obs.) 5.3Msz ( 3 obs.)
ATLANTIC-INDIAN RISE
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 31C
Centroid Location:
Origin Time 19:56:59.4 0.6
Lat 40.98S 0.06 Lon 44.58E 0.09
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.21 Plg=12 Azm=349
N -0.14 17 256
P -2.08 69 113
Best Double Couple:Mo=2.1*10**17
NP1:Strike=101 Dip=36 Slip= -60
NP2: 245 59 -110

09 07 31 10.33 34.021N 61.042W 10km
5.2mb ( 38 obs.) 4.9Msz ( 7 obs.)
NORTH ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 20C
Centroid Location:
Origin Time 07:31:14.9 0.7
Lat 34.53N 0.12 Lon 61.39W 0.11
Dep 15.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 6.30 Plg=65 Azm=208
N 0.34 15 333
P -6.65 20 68
Best Double Couple:Mo=6.5*10**16
NP1:Strike=182 Dip=29 Slip= 123
NP2: 326 66 74

10 08 11 10.05 4.230N 127.795E 103km
4.9mb ( 16 obs.)
TALAUD ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 18C
Centroid Location:
Origin Time 08:11:11.1 1.0
Lat 4.16N 0.08 Lon 127.40E 0.12
Dep 98.0 FIX Half-duration 1.5
Principal Axes:
Scale 10**16 Nm
T Val= 6.04 Plg=60 Azm=208
N -1.46 7 311
P -4.58 29 45
Best Double Couple:Mo=5.3*10**16
NP1:Strike=156 Dip=17 Slip= 116
NP2: 309 75 82

10 09 24 46.43 15.500S 173.215W 33km
5.3mb ( 15 obs.) 5.2Msz ( 3 obs.)
TONGA ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 30C
Centroid Location:
Origin Time 09:24:50.1 0.4
Lat 15.81S 0.05 Lon 172.75W 0.05
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.48 Plg=66 Azm=267
N 0.19 1 175
P -2.67 24 85
Best Double Couple:Mo=2.6*10**17
NP1:Strike=173 Dip=21 Slip= 87
NP2: 356 69 91

10 13 25 32.98 6.323S 149.889E 52km
5.3mb ( 14 obs.) 4.9Msz ( 2 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 14S, 24C
Centroid Location:
Origin Time 13:25:36.1 0.7
Lat 6.27S 0.08 Lon 150.03E 0.10
Dep 18.1 6.3 Half-duration 2.2
Principal Axes:
Scale 10**17 Nm
T Val= 2.10 Plg=52 Azm=349
N -0.01 1 80
P -2.09 38 171
Best Double Couple:Mo=2.1*10**17
NP1:Strike=265 Dip= 7 Slip= 95
NP2: 80 83 89

11 02 03 09.68 22.156S 174.797W 37km
5.6mb ( 35 obs.) 5.8Msz ( 14 obs.)
TONGA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 16S, 40C
Centroid Location:
Origin Time 02:03:16.8 0.4
Lat 21.89S 0.03 Lon 174.52W 0.03
Dep 26.6 BDY Half-duration 3.8
Principal Axes:
Scale 10**17 Nm
T Val= 11.57 Plg=67 Azm=299
N 1.17 1 207
P -12.74 23 117
Best Double Couple:Mo=1.2*10**18
NP1:Strike=205 Dip=22 Slip= 88
NP2: 27 68 91

11 16 41 25.39 6.489S 130.387E 134km
5.2mb ( 21 obs.)
BANDA SEA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 24C
Centroid Location:
Origin Time 16:41:31.8 1.5
Lat 6.68S 0.10 Lon 130.90E 0.19
Dep 149.4 5.5 Half-duration 1.4
Principal Axes:
Scale 10**16 Nm
T Val= 6.64 Plg=26 Azm=274
N -2.06 11 179
P -4.57 62 68
Best Double Couple:Mo=5.6*10**16
NP1:Strike= 29 Dip=22 Slip= -59
NP2: 175 72 -102

11 23 27 33.54 11.280N 125.455E 76km
5.4mb ( 22 obs.)
SAMAR, PHILIPPINE ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 21C
Centroid Location:
Origin Time 23:27:32.4 0.9
Lat 11.25N 0.08 Lon 125.95E 0.11
Dep 61.4 6.7 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 5.76 Plg=79 Azm=337
N 2.30 10 178
P -8.06 4 87
Best Double Couple:Mo=6.9*10**16
NP1:Strike=166 Dip=42 Slip= 74
NP2: 7 50 104

12 04 51 50.51 29.692N 140.025E 164km
6.3mb ( 88 obs.)
SOUTH OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 20 Dip=83 Slip= -35
NP2: 115 55 -171
Principal Axes:
T Plg=18 Azm= 72
P 29 332
Comment: The focal mechanism is moderately well controlled and corresponds to strike-slip faulting with a large normal component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sta: 10 Focal mech. C
Energy 5.3±1.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 166 No. of sta: 15
Principal Axes:
Scale 10**18 Nm
T Val= 4.66 Plg=18 Azm= 69
N -0.56 49 180
P -4.10 35 326
Best Double Couple:Mo=4.4*10**18
NP1:Strike=113 Dip=51 Slip=-166
NP2: 14 79 -39
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 34C M.W.: 11S, 25C
Centroid Location:
Origin Time 04:51:54.7 0.1
Lat 29.69N 0.01 Lon 139.95E 0.02
Dep 166.3 0.6 Half-duration 5.6
Principal Axes:
Scale 10**18 Nm
T Val= 3.34 Plg= 7 Azm= 50
N 0.55 42 147
P -3.89 47 312
Best Double Couple:Mo=3.6*10**18
NP1:Strike=103 Dip=53 Slip=-148
NP2: 352 65 -42

13 02 49 10.45 30.376N 138.115E 459km
5.2mb ( 54 obs.)
SOUTH OF HONSHU, JAPAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 19C
Centroid Location:
Origin Time 02:49: 9.3 0.8
Lat 30.46N 0.06 Lon 138.83E 0.13
Dep 444.3 4.5 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 9.43 Plg=30 Azm= 27
N 2.43 33 139
P -11.86 43 265
Best Double Couple:Mo=1.1*10**17
NP1:Strike= 64 Dip=33 Slip=-167
NP2: 324 83 -57

13 04 52 03.42 15.475N 93.009W 102km
5.2mb ( 20 obs.)
NEAR COAST OF CHIAPAS, MEXICO
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 04:52: 3.3 0.6
Lat 15.08N 0.06 Lon 92.81W 0.06
Dep 114.2 3.4 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.56 Plg=40 Azm= 27
N -0.39 18 281
P -1.17 44 172
Best Double Couple:Mo=1.4*10**17
NP1:Strike=184 Dip=18 Slip= -6
NP2: 280 88 -108

13 10 42 26.67 60.003S 18.499W 10km
5.4mb ( 8 obs.) 5.0Msz ( 2 obs.)
SOUTHWESTERN ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 30C
Centroid Location:

Origin Time 10:42:32.6 0.5
Lat 60.27S 0.03 Lan 18.27W 0.08
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm

| | | | |
|---|---|---|---|
| T | Val= 2.87 | Plg= 0 | Azm= 93 |
| N | -0.17 | 0 | 3 |
| P | -2.71 | 90 | 180 |

Best Double Couple:Mo=2.8*10**17
NP1:Strike=183 Dip=45 Slip= -90
NP2: 3 45 -90

T3 12 15 26.40 51.830N 158.872E 33km
5.3mb ( 64 obs.) 4.5Msz ( 3 obs.)
NEAR EAST COAST OF KAMCHATKA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 7S, 17C
Centroid Location:
Origin Time 12:15:30.8 1.6
Lat 51.87N FIX;Lan 158.90E FIX
Dep 33.0 FIX Half-duration 1.4
Principal Axes:
Scale 10**16 Nm

| | | | |
|---|---|---|---|
| T | Val= 6.37 | Plg=60 | Azm=333 |
| N | -0.83 | 10 | 225 |
| P | -5.54 | 28 | 129 |

Best Double Couple:Mo=5.9*10**16
NP1:Strike=194 Dip=20 Slip= 58
NP2: 48 73 101

13 12 43 40.74 17.878S 178.702W 569km
5.3mb ( 22 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 16C
Centroid Location:
Origin Time 12:43:44.8 1.2
Lat 17.78S FIX;Lon 178.76W FIX
Dep 559.3 8.2 Half-durotion 1.5
Principal Axes:
Scale 10**16 Nm

| | | | |
|---|---|---|---|
| T | Val= 7.73 | Plg=50 | Azm= 90 |
| N | 1.42 | 24 | 327 |
| P | -9.15 | 29 | 222 |

Best Double Couple:Mo=8.4*10**16
NP1:Strike=265 Dip=27 Slip= 26
NP2: 152 78 115

13 21 05 03.09 74.432N 93.653W 10km
5.4mb ( 49 obs.) 5.1Msz ( 6 obs.)
QUEEN ELIZABETH ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Dota Used: GDSN
L.P.B.: 11S, 25C
Centroid Location:
Origin Time 21:05: 3.8 0.9
Lot 74.02N 0.11 Lon 91.99W 0.21
Dep 15.0 FIX Half-durotion 1.9
Principal Axes:
Scale 10**17 Nm

| | | | |
|---|---|---|---|
| T | Vol= 1.13 | Plg=62 | Azm=308 |
| N | 0.44 | 27 | 134 |
| P | -1.56 | 3 | 43 |

Best Double Couple:Mo=1.3*10**17
NP1:Strike=107 Dip=49 Slip= 52
NP2: 337 54 125

15 14 57 40.17 23.430N 142.908E 39km
5.8mb ( 61 obs.) 5.7Msz ( 10 obs.)
VOLCANO ISLANDS REGION
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=325 Dip=70 Slip= 90
NP2: 145 20 90
Principal Axes:

| | | | |
|---|---|---|---|
| T | | Plg=65 | Azm=235 |
| P | | 25 | 55 |

Comment: The focol mechonism is poorly controlled ond corresponds to reverse foulting. The preferred foult plone is NP2.
RADIATED ENERGY
No. of sto: 6 Focal mech. M
Energy 5.2±2.1*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 36 No. of sto: 14
Principal Axes:
Scale 10**18 Nm

| | | | |
|---|---|---|---|
| T | Vol= 1.23 | Plg=68 | Azm=267 |
| N | 0.00 | 12 | 145 |
| P | -1.23 | 18 | 51 |

Best Double Couple:Mo=1.2*10**18
NP1:Strike=121 Dip=29 Slip= 64
NP2: 331 64 104
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 32C
Centraid Location:
Origin Time 14:57:44.4 0.2
Lat 23.39N 0.02 Lon 142.96E 0.02
Dep 44.8 1.9 Half-durotion 3.7
Principal Axes:
Scale 10**17 Nm

| | | | |
|---|---|---|---|
| T | Val= 9.88 | Plg=74 | Azm=259 |
| N | -0.07 | 4 | 154 |
| P | -9.81 | 16 | 63 |

Best Double Couple:Mo=9.8*10**17
NP1:Strike=146 Dip=29 Slip= 81
NP2: 336 61 95

15 15 11 06.13 58.985N 142.774W 10km
5.1mb ( 42 obs.) 5.1Msz ( 3 obs.)
GULF OF ALASKA
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 11S, 26C
Centroid Locotion:
Origin Time 15:11: 2.6 1.2
Lat 59.33N 0.11 Lon 142.36W 0.17
Dep 15.0 FIX Half-duration 2.2
Principal Axes:
Scale 10**17 Nm

| | | | |
|---|---|---|---|
| T | Val= 1.41 | Plg= 0 | Azm=129 |
| N | 0.75 | 90 | 180 |
| P | -2.16 | 0 | 39 |

Best Double Couple:Mo=1.8*10**17
NP1:Strike=174 Dip=90 Slip= 180
NP2: 264 90 0

17 02 08 19.92 35.362N 140.214E 63km
6.0mb (108 obs.)
NEAR EAST COAST OF HONSHU, JAPAN
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 67 Dip=75 Slip= 0
NP2: 157 90 195
Principal Axes:

| | | | |
|---|---|---|---|
| T | | Plg=11 | Azm=291 |
| P | | 11 | 23 |

Comment: The focol mechanism is well controlled ond corresponds to strike-slip foulting with o smoll reverse component. The preferred fault plane is not determined.
RADIATED ENERGY
No. of sto: 11 Focol mech. F
Energy 1.9±1.0*10**15 Nm
MOMENT TENSOR SOLUTION
Dep 22 No. of sto: 16
Principol Axes:
Scole 10**19 Nm

| | | | |
|---|---|---|---|
| T | Val= 1.20 | Plg=10 | Azm=301 |
| N | 0.00 | 69 | 182 |
| P | -1.20 | 18 | 34 |

Best Double Couple:Mo=1.2*10**19
NP1:Strike= 77 Dip=70 Slip= -5
NP2: 169 85 -160
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 14S, 40C M.W.: 16S, 37C
Centroid Locotion:
Origin Time 02:08:20.2 0.1
Lat 35.29N 0.01 Lon 140.37E 0.02
Dep 20.5 1.2 Half-durotion 7.1
Principol Axes:
Scole 10**18 Nm

| | | | |
|---|---|---|---|
| T | Val= 7.14 | Plg=33 | Azm=288 |
| N | -0.19 | 41 | 163 |
| P | -6.95 | 31 | 41 |

Best Double Couple:Mo=7 1*10**18
NP1:Strike= 76 Dip=41 Slip= 2
NP2: 344 89 131

17 20 22 58.36 9.169S 114.610E 46km
5.7mb ( 34 obs.) 5.5Msz ( 6 obs.)
SOUTH OF BALI ISLAND
FAULT PLANE SOLUTION: P-Woves
NP1:Strike=238 Dip=72 Slip= -50
NP2: 348 43 -153
Principol Axes:

| | | | |
|---|---|---|---|
| T | | Plg=17 | Azm=300 |
| P | | 47 | 190 |

Comment: The focol mechonism is poorly controlled ond corresponds to normal foulting with a lorge strike-slip component. The preferred foult plone is not determined.
RADIATED ENERGY
No. of sta: 6 Focol mech. F
Energy 7.9±2.1*10**12 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 15S, 41C
Centroid Location:
Origin Time 20:23: 2.8 0.3
Lat 9.44S 0.04 Lon 114.47E 0.03
Dep 65.9 2.4 Half-durotion 3.9
Principal Axes:
Scole 10**17 Nm

| | | | |
|---|---|---|---|
| T | Vol= 10.39 | Plg=11 | Azm=287 |
| N | 3.02 | 40 | 26 |
| P | -13.41 | 48 | 185 |

Best Double Couple:Mo=1.2*10**18
NP1:Strike=339 Dip=49 Slip=-148
NP2: 227 67 -46

18 05 01 23.10 1.403S 77.803W 177km
5.4mb ( 82 obs.)
ECUADOR
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 15S, 29C
Centroid Location:
Origin Time 05:01:27.0 0.4
Lat 1.26S 0.06 Lon 77.91W 0.06
Dep 172.9 2.1 Holf-duration 2.1
Principal Axes:
Scole 10**17 Nm

| | | | |
|---|---|---|---|
| T | Val= 2.64 | Plg=20 | Azm= 41 |
| N | -0.93 | 6 | 309 |
| P | -1.72 | 69 | 203 |

Best Double Couple:Mo=2.2*10**17
NP1:Strike=142 Dip=25 Slip= -76
NP2: 306 66 -97

18 05 53 43.67 23.268N 121.045E 33km
5.0mb ( 22 obs.) 5.3Msz ( 4 obs.)
TAIWAN
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 8S, 17C
Centroid Location:
Origin Time 05:53:48.1 0.8
Lot 23.52N 0.10 Lon 120.58E 0.19
Dep 15.0 FIX Holf-durotion 1.6
Principol Axes:
Scole 10**16 Nm

| | | | |
|---|---|---|---|
| T | Vol= 9.35 | Plg=11 | Azm= 35 |
| N | -2.15 | 79 | 209 |
| P | -7.21 | 1 | 305 |

Best Double Couple:Mo=8.3*10**16
NP1:Strike= 79 Dip=81 Slip= 173
NP2: 170 83 9

18 16 24 03.05 28.191N 56.677E 20km
5.8mb ( 74 obs.) 5.5Msz ( 17 obs.)
SOUTHERN IRAN
FAULT PLANE SOLUTION: P-Woves
NP1:Strike= 16 Dip=64 Slip= 90
NP2: 196 26 90
Principol Axes:

| | | | |
|---|---|---|---|
| T | | Plg=71 | Azm=286 |
| P | | 19 | 106 |

Comment: The focal mechanism is poorly controlled and corresponds to normal foulting. The preferred fault plone is not determined.
RADIATED ENERGY
No. of sto: 7 Focol mech. M
Energy 2.9±1.0*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 22 No. of sto: 17
Principal Axes:
Scole 10**17 Nm

| | | | |
|---|---|---|---|
| T | Vol= 4.78 | Plg=10 | Azm=107 |
| N | 0.03 | 9 | 199 |
| P | -4.80 | 77 | 332 |

Best Double Couple:Mo=4.8*10**17
NP1:Strike=186 Dip=36 Slip=-106
NP2: 25 55 -79
CENTROID, MOMENT TENSOR (HRV)
Dato Used: GDSN
L.P.B.: 14S, 36C
Centroid Locotion:
Origin Time 16:24: 5.5 0.3

Lat 27.90N 0.04 Lan 56.42E 0.04
Dep 15.0 BDY Half-duration 3.0
Principal Axes:
Scale 10**17 Nm
T Val= 6.88 Plg=19 Azm=105
N -0.32 32 207
P -6.56 51 349
Best Double Couple:Mo=6.7*10**17
NP1:Strike=155 Dip=39 Slip=-149
NP2: 40 71 -56

19 08 27 36.70 40.680N 52.012E 88km
5.0mb ( 49 obs.)
TURKMEN SSR
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centroid Locatian:
Origin Time 08:27:33.9 1.1
Lat 40.31N 0.14 Lon 52.07E 0.13
Dep 33.0 FIX Half-duratian 1.3
Principal Axes:
Scale 10**16 Nm
T Val= 3.27 Plg=74 Azm=351
N 0.25 11 126
P -3.52 11 218
Best Double Couple:Mo=3.4*10**16
NP1:Strike=322 Dip=36 Slip= 110
NP2: 119 57 76

19 10 14 45.29 0.184S 122.900E 156km
5.1mb ( 21 obs.)
MINAHASSA PENINSULA
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 27C
Centroid Locatian:
Origin Time 10:14:46.7 0.5
Lat 0.06N 0.05 Lon 122.92E 0.07
Dep 150.8 2.3 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.78 Plg=64 Azm=160
N -0.18 4 258
P -1.59 26 349
Best Double Couple:Mo=1.7*10**17
NP1:Strike= 88 Dip=19 Slip= 101
NP2: 256 71 86

21 14 34 54.19 16.209S 176.575W 394km
5.1mb ( 26 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 9S, 18C
Centroid Location:
Origin Time 14:34:56.6 0.9
Lat 16.24S 0.09 Lon 176.44W 0.08
Dep 388.4 3.5 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 8.33 Plg=53 Azm=303
N 3.06 37 112
P -11.39 5 206
Best Double Couple:Mo=9.9*10**16
NP1:Strike=329 Dip=51 Slip= 141
NP2: 87 60 46

22 00 16 39.04 41.360N 89.638E 21km
5.9mb ( 89 obs.) 5.2Msz ( 2 obs.)
SOUTHERN XINJIANG, CHINA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=210 Dip=65 Slip= 90
NP2: 30 25 90
Principal Axes:
T Plg=70 Azm=120
P 20 300
Comment: The focal mechanism is poorly controlled and corresponds to reverse faulting. The preferred fault plane is NP2.
RADIATED ENERGY
No. of sta: 4 Focal mech. C
Energy 6.6±1.7*10**13 Nm
MOMENT TENSOR SOLUTION
Dep 11 No. of sta: 8
Principal Axes:
Scale 10**17 Nm
T Val= 2.16 Plg=54 Azm=153
N -0.08 23 27
P -2.08 26 285
Best Double Couple:Mo=2.1*10**17
NP1:Strike=335 Dip=28 Slip= 34
NP2: 214 75 114
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 26C
Centroid Location:
Origin Time 00:16:42.9 0.4
Lat 41.27N 0.07 Lan 89.75E 0.05
Dep 19.0 BDY Half-duration 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.21 Plg=62 Azm=165
N -0.14 28 339
P -2.07 2 71
Best Double Couple:Mo=2.1*10**17
NP1:Strike=186 Dip=49 Slip= 128
NP2: 316 53 54

22 11 17 56.34 51.598S 11.439W 10km
5.5mb ( 21 obs.) 5.2Msz ( 2 obs.)
SOUTHWESTERN ATLANTIC OCEAN
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 32C
Centroid Locatian:
Origin Time 11:18: 4.5 0.4
Lat 51.61S 0.05 Lon 11.31W 0.08
Dep 15.0 FIX Half-duratian 2.3
Principal Axes:
Scale 10**17 Nm
T Val= 2.10 Plg= 5 Azm=178
N 0.58 78 63
P -2.68 10 269
Best Double Couple:Mo=2.4*10**17
NP1:Strike=313 Dip=79 Slip= -4
NP2: 44 86 -169

23 09 01 29.16 14.947S 176.531W 33km
5.0mb ( 12 obs.) 5.2Msz ( 3 obs.)
FIJI ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 24C
Centroid Locatian:
Origin Time 09:01:33.4 0.7
Lat 14.79S 0.08 Lan 176.54W 0.05
Dep 15.0 FIX Half-duration 2.0
Principal Axes:
Scale 10**17 Nm
T Val= 1.63 Plg= 2 Azm=151
N -0.02 78 54
P -1.62 12 242
Best Double Couple:Mo=1.6*10**17
NP1:Strike=286 Dip=81 Slip= -7
NP2: 17 83 -171

23 10 10 20.55 0.159S 124.884E 61km
5.7mb ( 44 obs.)
MOLUCCA SEA
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 35 Dip=68 Slip= 90
NP2: 215 22 90
Principal Axes:
T Plg=67 Azm=305
P 23 125
Comment: The focal mechanism is poorly controlled and correspands to reverse foulting. The preferred fault plane is NP2.
MOMENT TENSOR SOLUTION
Dep 26 No. of sta: 6
Principal Axes:
Scale 10**17 Nm
T Val= 4.21 Plg=57 Azm=280
N -0.26 26 61
P -3.96 18 160
Best Double Couple:Mo=4.1*10**17
NP1:Strike=284 Dip=36 Slip= 140
NP2: 49 68 61
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 33C
Centroid Locatian:
Origin Time 10:10:24.5 0.3
Lat 0.05N 0.04 Lon 125.62E 0.05
Dep 49.3 3.2 Half-duration 2.6
Principal Axes:
Scale 10**17 Nm
T Val= 3.33 Plg=70 Azm=284
N -0.08 7 35
P -3.25 18 127
Best Double Couple:Mo=3.3*10**17
NP1:Strike=229 Dip=28 Slip= 106
NP2: 31 64 82

25 00 33 53.55 16.843S 172.572W 26km
5.1mb ( 17 obs.) 5.0Msz ( 2 obs.)
SAMOA ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 11S, 21C
Centraid Locatian:
Origin Time 00:33:59.3 0.8
Lat 17.01S 0.07 Lan 172.43W 0.09
Dep 15.0 FIX Half-duration 1.8
Principal Axes:
Scale 10**17 Nm
T Val= 1.39 Plg=61 Azm=243
N -0.06 14 358
P -1.32 25 95
Best Double Couple:Ma=1.4*10**17
NP1:Strike=213 Dip=23 Slip= 127
NP2: 353 72 76

25 22 56 48.99 19.830S 175.682W 196km
5.7mb ( 50 obs.)
TONGA ISLANDS
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 88 Dip=78 Slip= -90
NP2: 268 12 -90
Principal Axes:
T Plg=33 Azm=178
P 57 358
Comment: The facal mechanism is paarly controlled and corresponds to narmal faulting. The preferred fault plane is nat determined.
RADIATED ENERGY
No. of sta: 3 Focal mech. F
Energy 9.2±3.1*10**12 Nm
MOMENT TENSOR SOLUTION
Dep 202 No. of sta: 7
Principal Axes:
Scale 10**17 Nm
T Val= 9.27 Plg=29 Azm=152
N 0.02 12 55
P -9.29 58 304
Best Double Couple:Mo=9.3*10**17
NP1:Strike=273 Dip=20 Slip= -51
NP2: 52 75 -103
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 25C
Centraid Locatian:
Origin Time 22:56:55.6 0.4
Lat 19.71S 0.03 Lan 175.58W 0.04
Dep 204.7 1.5 Half-duration 2.5
Principal Axes:
Scale 10**17 Nm
T Val= 9.31 Plg=36 Azm=120
N 0.03 18 17
P -9.33 48 265
Best Double Couple:Mo=9.3*10**17
NP1:Strike=265 Dip=19 Slip= -20
NP2: 15 84 -108

28 08 16 21.37 28.055S 70.615W 52km
6.1mb ( 66 obs.)
CENTRAL CHILE
FAULT PLANE SOLUTION: P-Waves
NP1:Strike=180 Dip=68 Slip= 55
NP2: 62 41 145
Principal Axes:
T Plg=53 Azm= 47
P 16 295
Comment: The focal mechanism is paorly contralled and corresponds to reverse faulting with a large strike-slip campanent. The preferred fault plane is nat determined.
RADIATED ENERGY
No. af sta: 4 Focal mech. C
Energy 1.5±0.4*10**13 Nm
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 37C
Centroid Locatian:
Origin Time 08:16:28.9 0.2
Lat 28.27S 0.04 Lon 71.45W 0.03
Dep 44.2 2.3 Half-duration 3.5
Principal Axes:
Scale 10**17 Nm
T Val= 7.92 Plg=70 Azm= 54

N 1.22 12 180
P -9.13 16 273
Best Double Couple:Mo=8.5*10**17
NP1:Strike= 20 Dip=31 Slip= 114
NP2: 173 62 76

28 13 24 39.35 14.355S 167.197E 231km
4.9mb ( 14 obs.)
VANUATU ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 10S, 17C
Centraid Location:
Origin Time 13:24:38.3 1.9
Lat 14.45S 0.14 Lan 167.42E 0.13
Dep 193.8 3.1 Half-duration 1.6
Principal Axes:
Scale 10**16 Nm
T Val= 10.10 Plg=80 Azm=241
N -0.92 4 351
P -9.19 10 82
Best Double Couple:Mo=9.6*10**16
NP1:Strike=177 Dip=35 Slip= 96
NP2: 349 55 85

28 14 40 06.89 19.301N 121.168E 28km
5.4mb ( 35 obs.) 5.4Msz ( 1 obs.)
PHILIPPINE ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 8S, 15C
Centroid Location:
Origin Time 14:40: 8.4 0.4
Lat 18.96N 0.11 Lan 120.50E 0.16
Dep 30.6 3.3 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.47 Plg=67 Azm=151
N 0.13 9 39
P -1.59 21 306
Best Double Couple:Mo=1.5*10**17
NP1:Strike= 19 Dip=25 Slip= 68
NP2: 223 67 100

30 11 56 19.23 35.053S 70.797W 90km
5.7mb ( 23 obs.)
CHILE-ARGENTINA BORDER REGION
FAULT PLANE SOLUTION: P-Waves
NP1:Strike= 30 Dip=87 Slip= -65
NP2: 126 25 -173
Principal Axes:
T Plg=37 Azm= 98
P 43 324
Comment: The focal mechanism is moderately well controlled and corresponds to normal faulting with a moderate strike-slip component. The preferred fault plane is not determined.
MOMENT TENSOR SOLUTION
Dep 96 No. of sta: 2
Principal Axes:
Scale 10**17 Nm
T Val= 1.45 Plg=26 Azm=103
N -0.02 33 212
P -1.43 46 343
Best Double Couple:Mo=1.4*10**17
NP1:Strike=146 Dip=35 Slip=-160
NP2: 39 79 -57
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centraid Location:
Origin Time 11:56:28.3 0.4
Lat 34.74S 0.07 Lan 71.01W 0.06
Dep 111.6 3.4 Half-duration 1.9
Principal Axes:
Scale 10**17 Nm
T Val= 1.67 Plg=38 Azm= 99
N -0.01 21 206
P -1.66 45 318
Best Double Couple:Mo=1.7*10**17
NP1:Strike=126 Dip=21 Slip=-171
NP2: 27 87 -69

30 20 19 25.65 26.837S 177.307W 104km
5.1mb ( 11 obs.)
SOUTH OF FIJI ISLANDS
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 26C
Centroid Location:
Origin Time 20:19:29.8 0.6
Lat 26.94S 0.06 Lan 177.34W 0.06
Dep 104.8 3.2 Half-duration 1.8
Principal Axes:
Scale 10**16 Nm
T Val= 11.40 Plg=34 Azm= 92
N 1.57 30 204
P -12.97 42 325
Best Double Couple:Mo=1.2*10**17
NP1:Strike=125 Dip=30 Slip=-171
NP2: 27 85 -60

30 21 16 29.55 6.498S 148.960E 22km
5.4mb ( 20 obs.) 5.7Msz ( 12 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 36C
Centraid Location:
Origin Time 21:16:35.9 0.4
Lat 6.76S 0.04 Lan 149.18E 0.04
Dep 17.6 2.3 Half-duration 3.2
Principal Axes:
Scale 10**17 Nm
T Val= 6.26 Plg=68 Azm= 18
N 0.36 0 288
P -6.62 22 198
Best Double Couple:Mo=6.4*10**17
NP1:Strike=287 Dip=23 Slip= 89
NP2: 108 67 90

31 00 31 35.21 6.400S 149.100E 35km
5.3mb ( 8 obs.) 4.9Msz ( 1 obs.)
NEW BRITAIN REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 12S, 21C
Centraid Location:
Origin Time 00:31:41.6 1.1
Lat 6.70S 0.09 Lan 148.93E 0.07
Dep 44.9 5.7 Half-duration 1.7
Principal Axes:
Scale 10**16 Nm
T Val= 8.49 Plg=73 Azm= 63
N 1.69 8 307
P -10.18 15 215
Best Double Couple:Mo=9.3*10**16
NP1:Strike=294 Dip=30 Slip= 74
NP2: 132 61 99

31 06 29 33.55 60.069S 26.522W 15km
5.3mb ( 8 obs.) 5.5Msz ( 4 obs.)
SOUTH SANDWICH ISLANDS REGION
CENTROID, MOMENT TENSOR (HRV)
Data Used: GDSN
L.P.B.: 13S, 24C
Centraid Location:
Origin Time 06:29:40.0 0.5
Lat 60.95S 0.10 Lan 26.31W 0.15
Dep 15.0 FIX Half-durotion 2.1
Principal Axes:
Scale 10**17 Nm
T Val= 2.52 Plg=45 Azm=238
N -0.49 43 36
P 72.03 12 137
Best Double Couple:Mo=2.3*10**17
NP1:Strike=266 Dip=50 Slip= 152
NP2: 15 69 43

Compiled by Willis S. Jacobs, Leonard E. Kerry, John H. Minsch, Russell E. Needham, Waverly J. Person, Bruce W. Presgrave and William H. Schmieder.

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Corrections to Previous Monthly Listings

1. Delete event of 21:25:07.5 UTC on September 24, 1984. Data belong with event of 21:23:41.5 UTC on September 23.

2. Delete event of 23:59:54.9 UTC on January 03, 1985. Data belong with event of 23:59:55.9 UTC on January 04.

3. Delete event of 23:14:33.7 UTC on January 18, 1985. Most data belong with event of 23:12:58.7 UTC.

4. Centroid Moment Tensor solution associated with event of 01:51:59.7 UTC on January 31, 1985 belongs with event of 21:44:11.2 UTC on January 17.

5. Delete event of 18:32:21.1 UTC on March 09, 1985. Data belong with event of 18:32:19.9 UTC on March 11.

6. Delete event of 01:16:07.6 UTC on December 17, 1985. Data belong with event of 01:15:32.5 UTC.

7. Delete event of 15:19:18.9 UTC on January 24, 1986. Data belong with event of 15:18:21.6 UTC.

8. Delete event of 09:02:03.5 UTC on May 07, 1987. Data belong with event of 08:56:52.4 UTC.

9. Delete event of 01:03:07.5 UTC on June 20, 1987. Data belong with event of 00:53:04.8 UTC.

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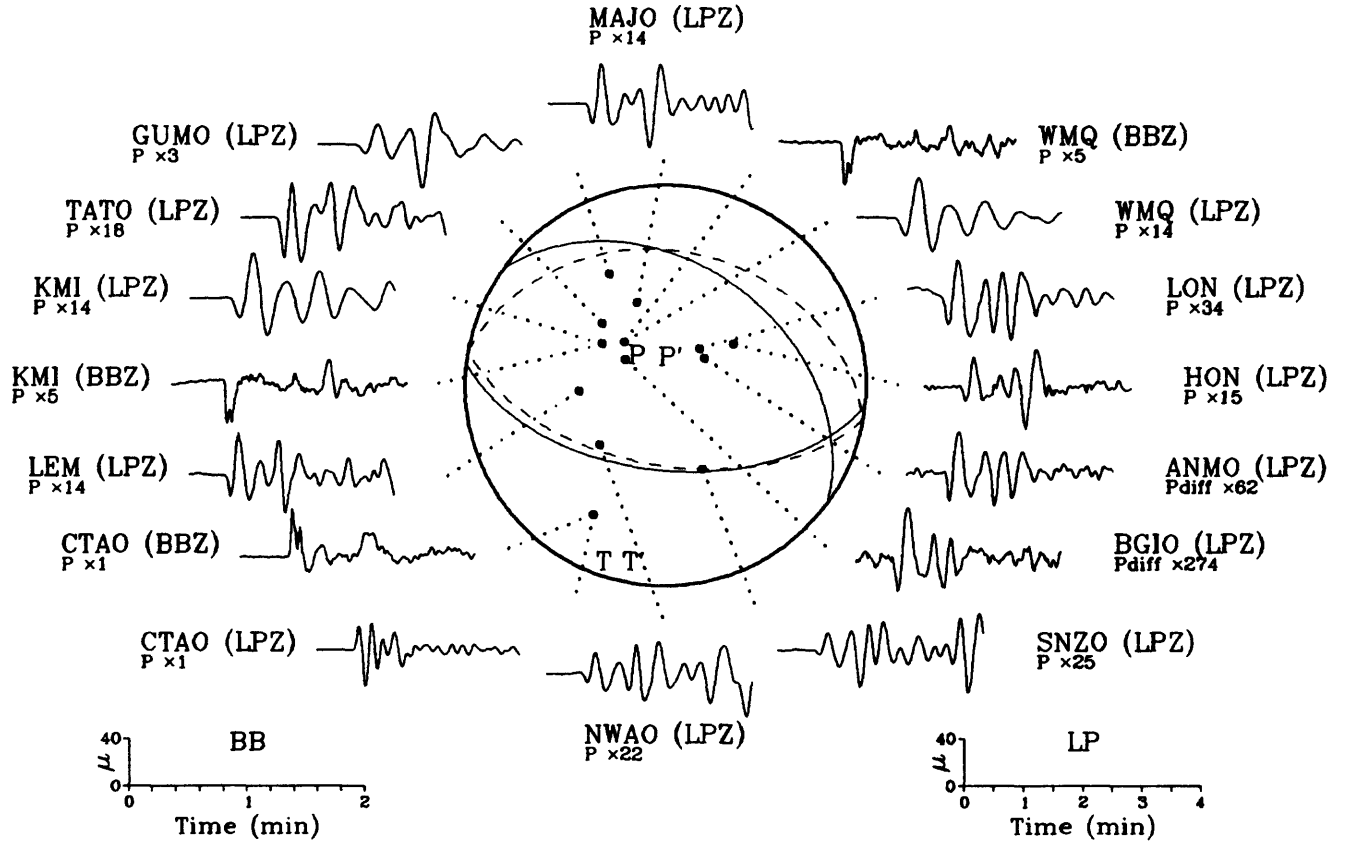
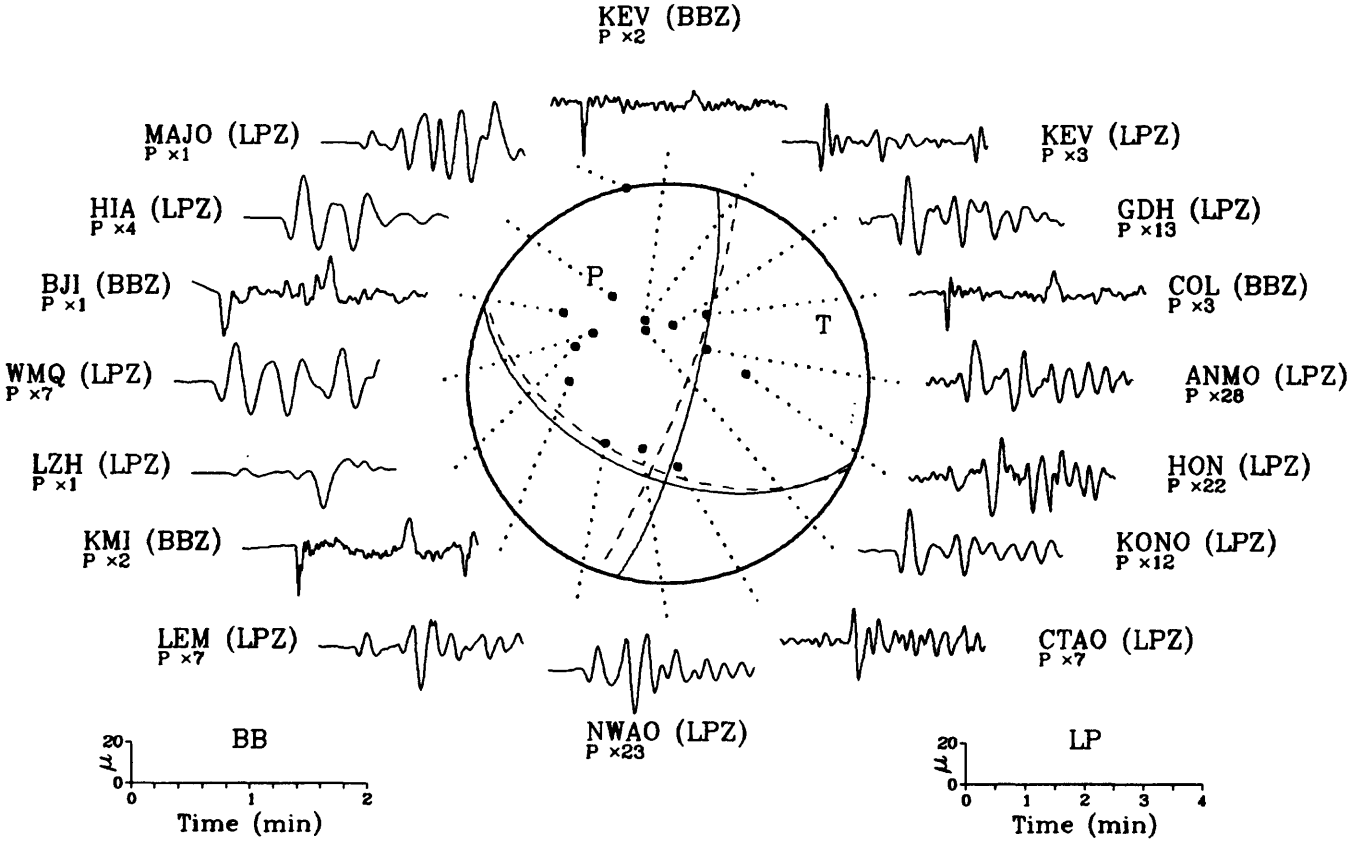
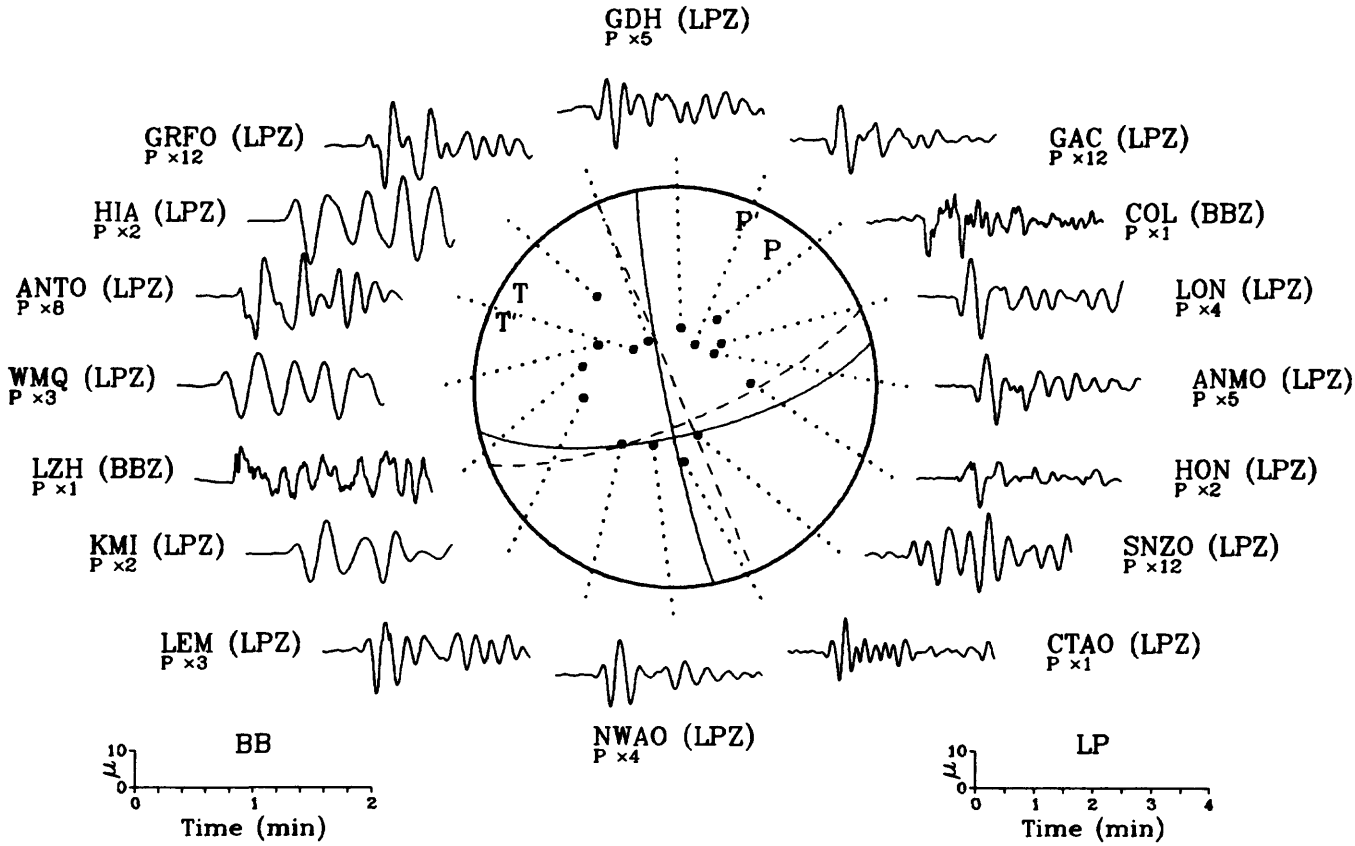
## 04 December 1987 19:51:35.79
## Solomon Islands



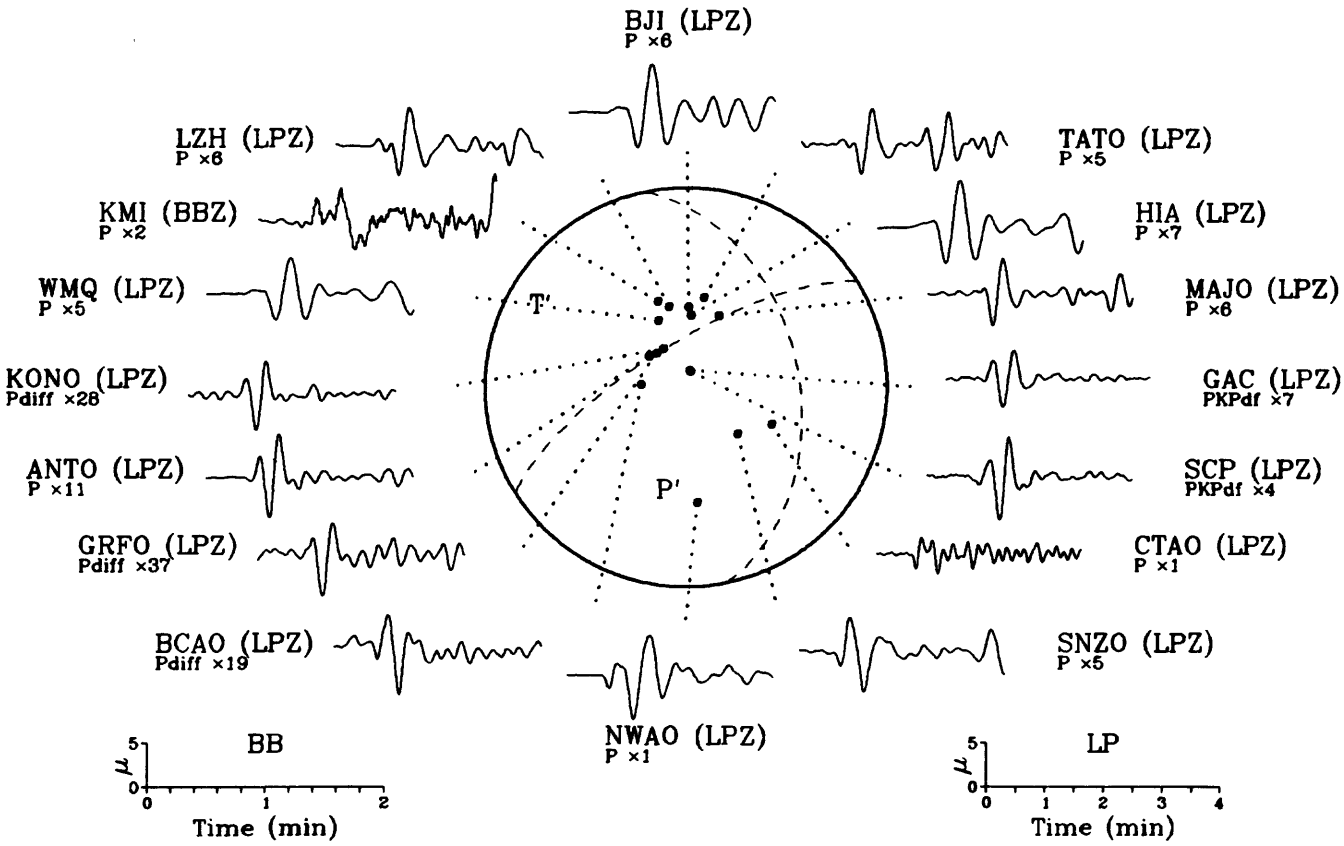

## 12 December 1987 04:51:50.51
## South of Honshu, Japan



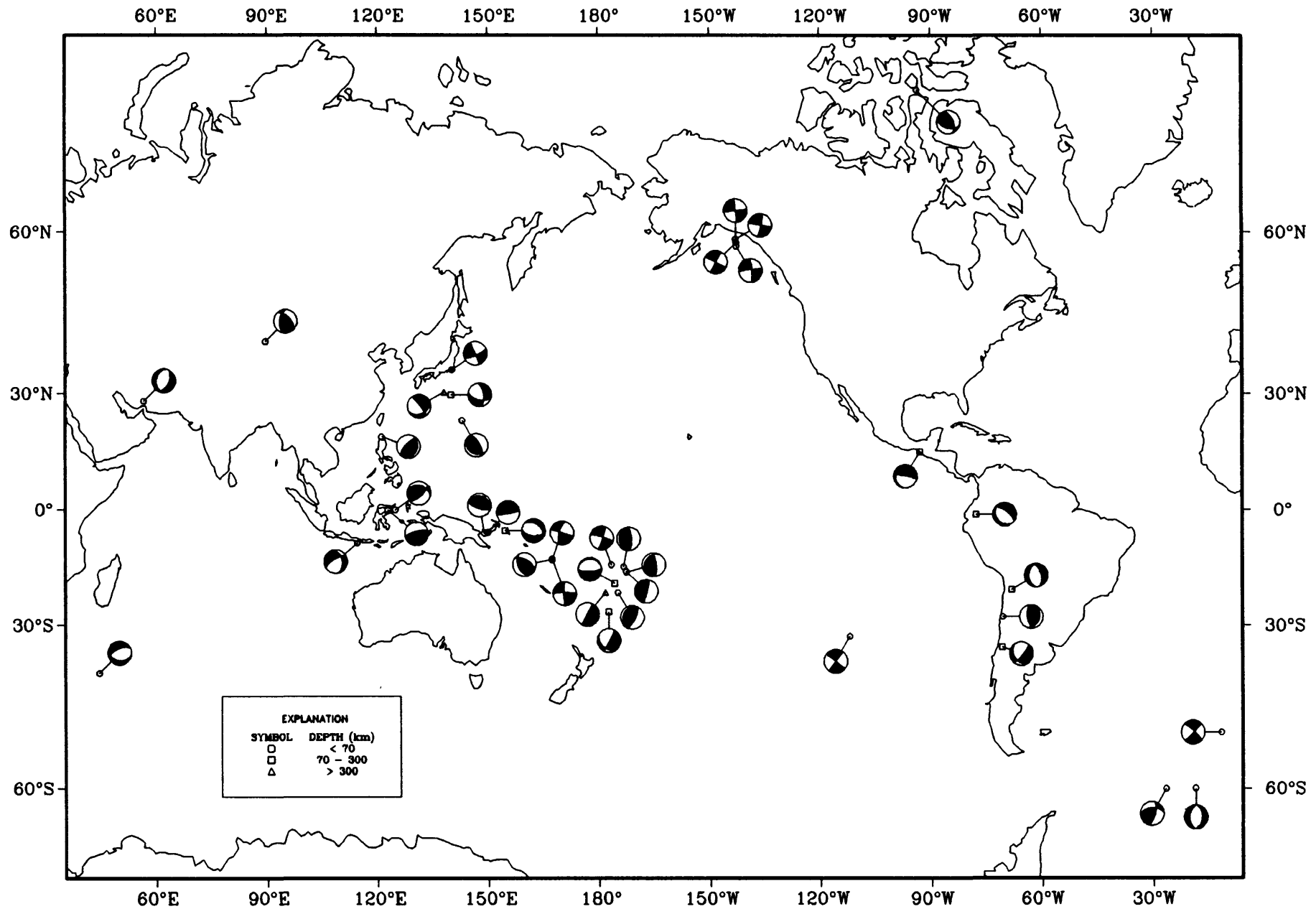
## 17 December 1987 02:08:19.92
## Near East Coast of Honshu, Japan

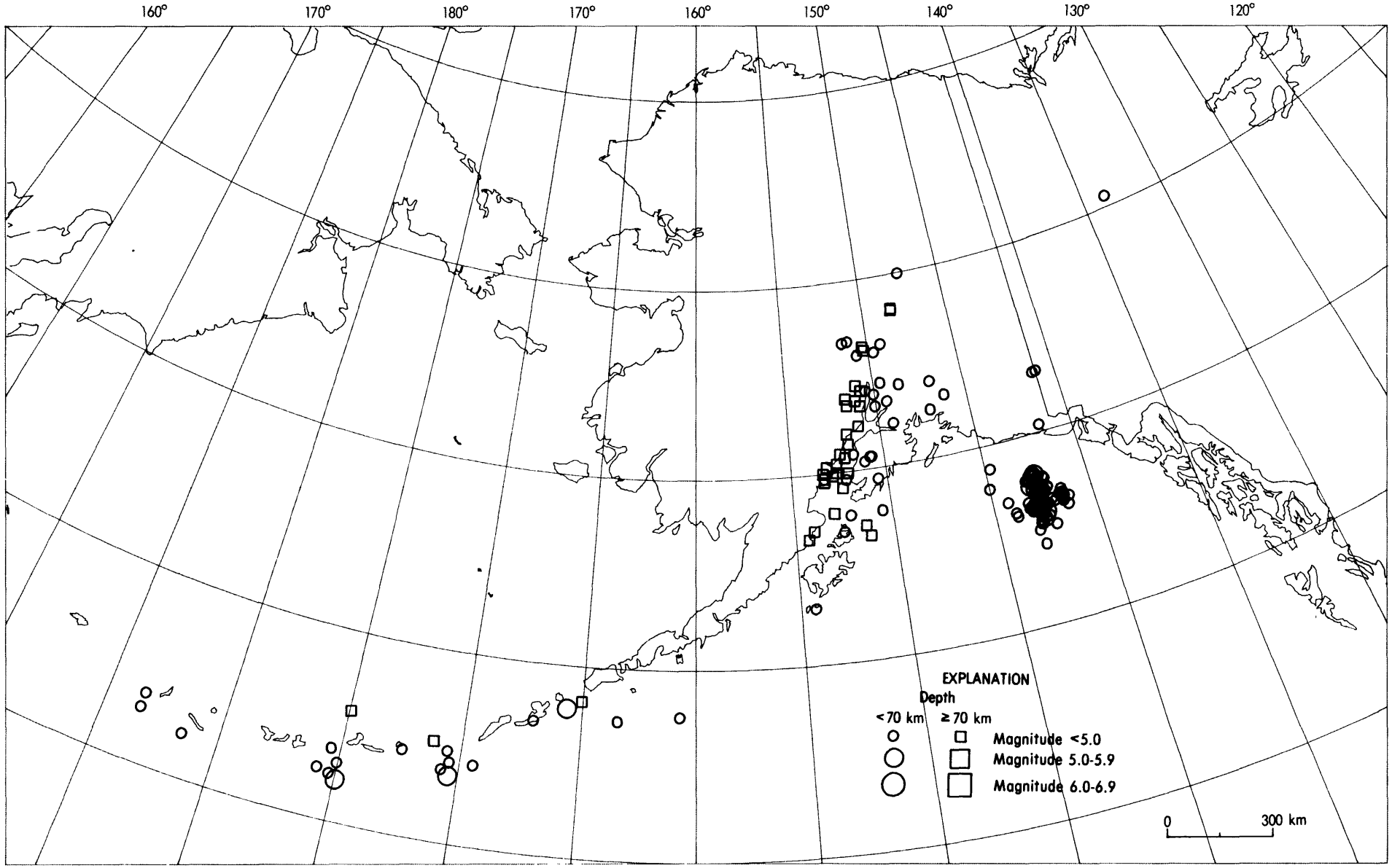



## 17 December 1987 20:22:58.36
## South of Bali Island

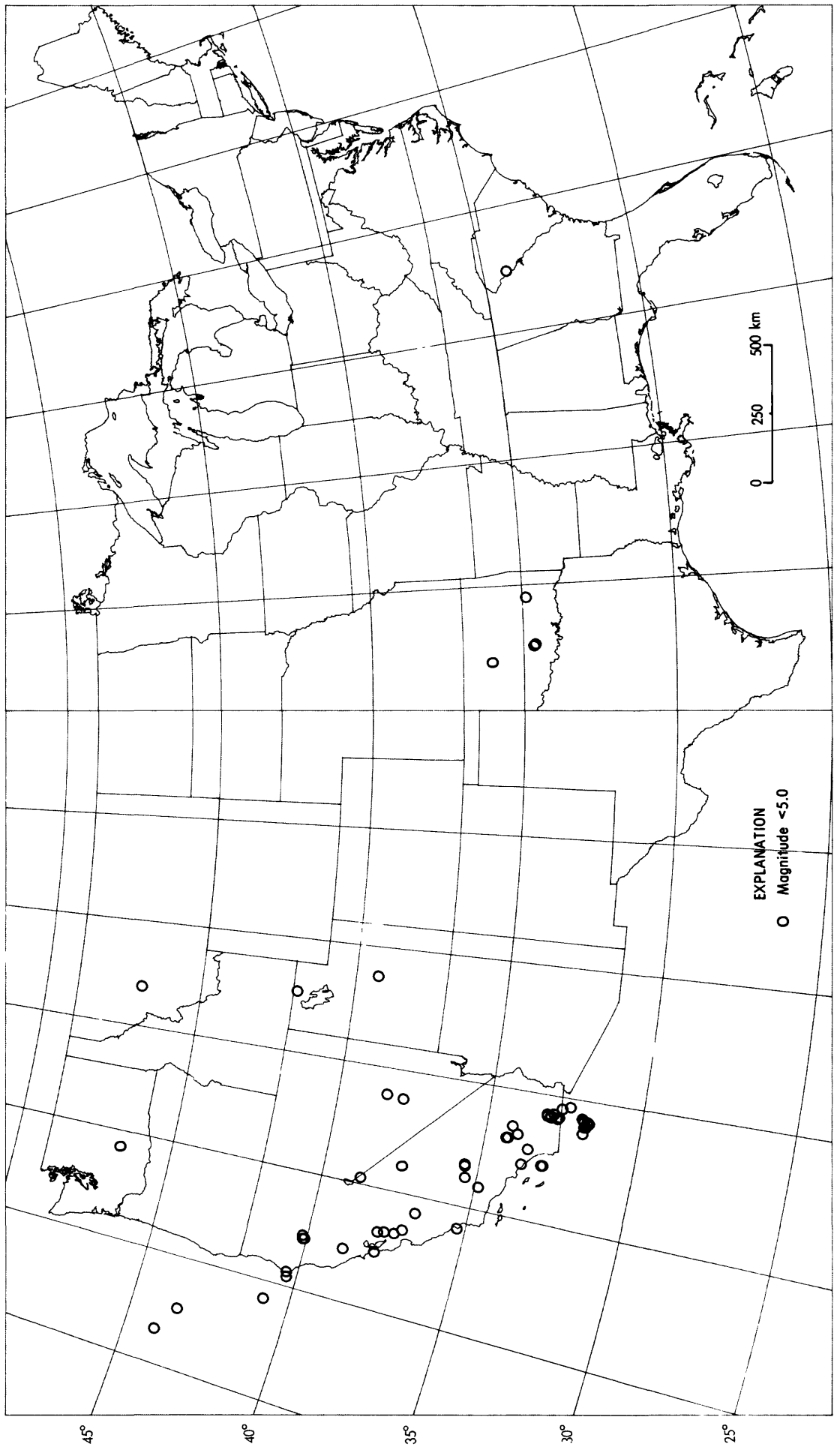


# Earthquake Focal Mechanisms for December 1987

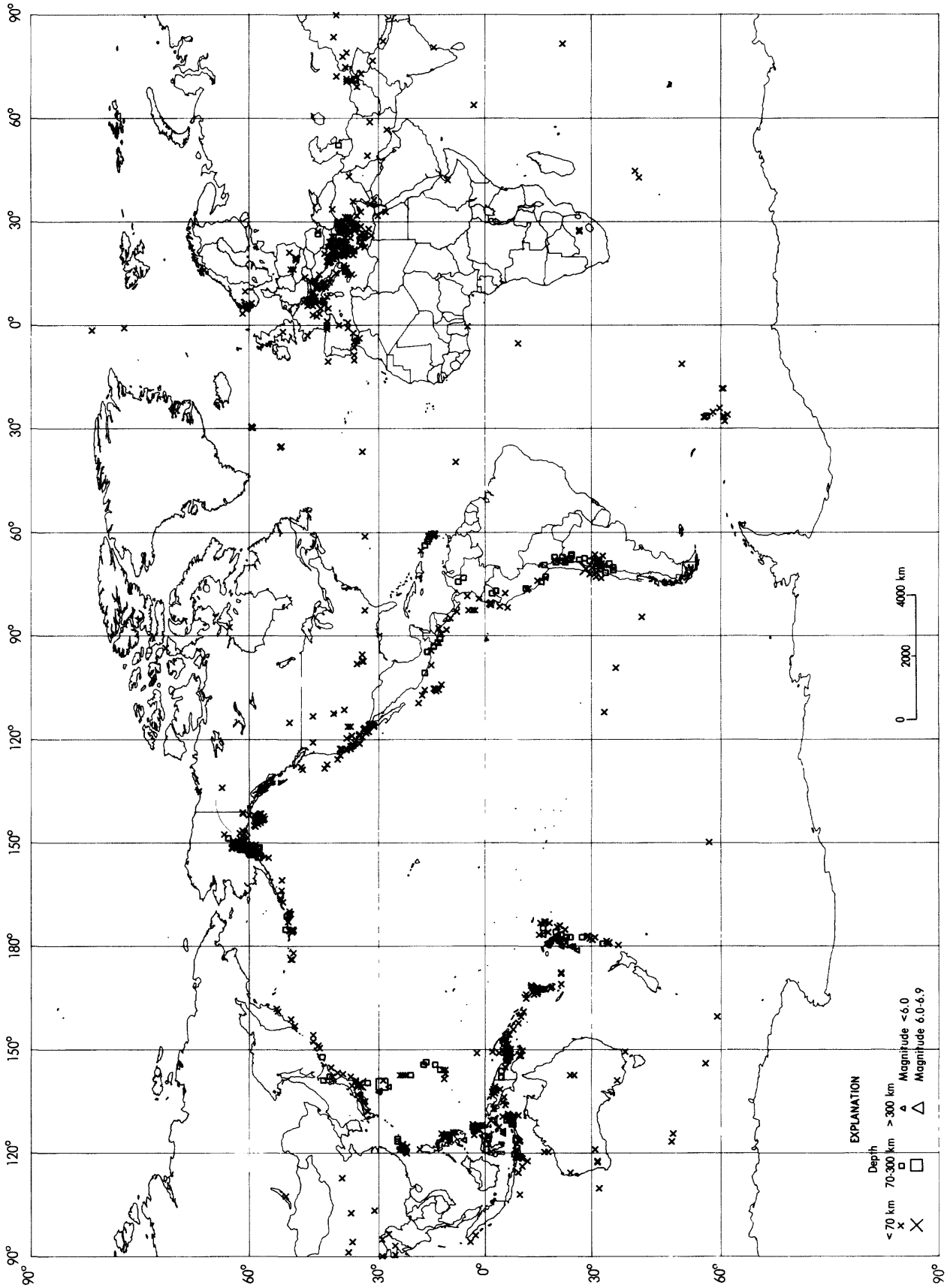





Earthquake epicenters in Alaska and adjacent regions for December, 1987 (C. Stover).




Earthquake epicenters in the conterminous United States and adjacent regions for December, 1987 (C. Stover).




Earthquakes located in December, 1987 (C. Stover).