

Table 10. Antipodal seismic activity for $M \geq 8.6$ earthquakes and VEI=6 volcanic eruptions in 1934–2017.

magnitude, date, location of $M \geq 8.6$ earthquakes and pertinent syzygies	antipodal seismic activity and pertinent syzygies
M=8.6 2012/4/11 2°N, 93°E 2012/5/6 Full Moon-closest perigee	M=7.4 2012/3/20 16°N, 98°W 2012/3/22 New Moon
M=9.1 2011/3/11 38°N, 142°E 2011/3/19 Full Moon-closest perigee	M=6.5 2011/3/6 56°S, 27°W 2011/3/4 New Moon, 2011/3/19 Full Moon-closest perigee; followed three months later by VEI=5 2011/6/3-4 Puyehue 41°S, 72°W 2011/6/1 New Moon
M=8.8 2010/2/27 36°S, 73°W 2010/1/30 Full Moon-closest perigee 2010/2/28 Full Moon	M=7.0 2010/2/26 26°N, 128.4°E 2010/1/30 Full Moon-closest perigee 2010/2/28 Full Moon
M=8.6 2005/3/28 2°N, 97°E 2005/3/25 Full Moon	M=6.0 2005/4/11 7°S, 78°W 2005/4/8 New Moon
M=9.1 2004/12/26 3°N, 96°E 2004/12/26 Full Moon	M=7.2 2004/11/15 5°N, 78°W 2004/11/12 New Moon
M=8.7 1965/2/4 51°N, 179°E 1965/1/17 Full Moon-closest perigee 1965/2/1 New Moon	M=6.0 1965/1/16 56°S, 27°W 1965/1/17 Full Moon-closest perigee
M=9.2 1964/3/28 61°N, 147°W 1964/3/28 Full Moon	M=7.8 1964/5/26 56°S, 28°W 1964/5/26 Full Moon
M=9.5 1960/5/22 38°S, 73°W 1960/5/25 New Moon	No antipodal seismic activity, but somewhat close to antipodal seismic activity is furnished by M=6.5 1960/5/18 29°N, 130°E; M=8.0 1960/3/20 40°N, 143°E no relevant syzygies
M=8.6 1957/3/9 51°N, 176°W 1957/2/14 Full Moon-closest perigee	M=6.0 1957/5/12 61°S, 24°W 1957/5/13 Full Moon
M=9.0 1952/11/4 53°N, 160°E 1952/11/1 Full Moon	No antipodal seismic activity, but somewhat close to antipodal seismic activity is furnished by M=6.5 1952/4/15 57°S, 26°W M=6.4 1952/6/19 54°S, 54°W, 1952/6/22 New Moon
M=8.6 1950/8/15 28°N, 96°E 1950/8/13 New Moon	M=7.1 1950/8/14 28°S, 63°W 1950/8/13 New Moon
M=8.6 1946/4/1 53°N, 163°W 1946/4/2 New Moon	M=6.4 1946/10/26 60°S, 35°W 1946/10/24 New Moon
1/6/15 VEI=6 Pinatubo 15.14°N, 120.35°E; 1991/7/11 New Moon-2nd closest perigee	1991/7/6 M=7.0 13.108°S, 72.187°W 1991/7/11 New Moon-2nd closest perigee preceded a year earlier by 1990/5/29 VEI=3 Sabancaya 15.78°S, 71.85°W 1990/5/24 New Moon-2nd closest perigee

Note: The earthquake data is due to USGS' data base <https://earthquake.usgs.gov/earthquakes/search/>.
Lunar phases and perigees are due to <https://www.fourmilab.ch/earthview/pacalc.html>