

Table 5. The strongest earthquakes of the full lunar cycle in 2009/7/21–2018/8/10

Date, time, magnitude	Pertinent lunar events and solar flares	ν	Antipodal activity
2009/7/21–2010/9/8 full lunar cycle, 406 days long 2010/2/27 M=8.8 36°S, 73°W near 2015/9/16	28 days after 2010/1/30 Full Moon-closest perigee, 2010/2/27–28 Full Moon-perigee	0	2010/2/26 M=7.0 26°N, 128°E
2010/9/8–2011/10/26 full lunar cycle, 413 days long 2011/3/11 M=9.1 38°N, 142°E	8 days before 2011/3/19 Full Moon-closest perigee	0	
2011/10/26–2012/12/12 full lunar cycle, 413 days long 2012/4/11 M=8.6 2°N, 93°E near 2017/9/8	25 days before 2012/5/6 Full Moon-closest perigee, 2012/4/6-7 Full Moon-perigee	0	2012/4/11 M=6.5 18°N, 103°W
2012/12/12–2014/1/30 full lunar cycle, 414 days long 2013/5/24 M=8.3 55°N, 153°E near 2018/1/23	31 days before 2013/6/23 Full Moon-closest perigee, 2013/5/25-26 Full Moon-perigee	1	2013/7/15 M=7.3 61°S, 25°W
2014/1/30–2015/3/19 full lunar cycle, 413 days long 2014/4/1 M=8.2 20°S, 71°W	2014/3/30 New Moon, 2014/3/29 X1.0 solar flare, not within 33 days of 2014/8/10 Full Moon-closest perigee	2	2014/3/2 M=6.5 27°N, 127°E 2014/3/1 New Moon
2015/3/19–2016/5/6 full lunar cycle, 414 days long 2015/9/16 M=8.3 32°S, 72°W near 2010/2/27	12 days before 2015/9/28 Full Moon-closest perigee, 2015/9/13 New Moon	0	2015/11/13 M=6.7 31°N, 129°E 2015/11/11 New Moon
2016/5/6–2017/6/23 full lunar cycle, 413 days long 2016/12/17 M=7.9 5°S, 154°E	33 days after 2016/11/14 Full Moon-closest perigee, 2016/12/14 Full Moon	3	2016/8/29 M=7.1 0°S, 18°W 2016/9/1 New Moon
2017/6/23–2018/8/10 full lunar cycle, 414 days long 2017/9/8 4:49 M=8.2 15°N, 94°W near 2012/4/11	2017/9/6 7:05 Full Moon 2017/9/7 X9.3 solar flare	2	
2018/1/23 M=7.9 56°N, 149°W near 2013/5/24	21 days after 2018/1/2 Full Moon-closest perigee, 20 days after 2018/1/3 perihelion	0	2018/1/28 M=6.6 53°S, 10°E

Note: The earthquake data is from <https://earthquake.usgs.gov/earthquakes/search/>, the lunar data is from <https://www.fourmilab.ch/earthview/pacalc.html>. The M=7.9 2017/1/22 earthquake is not listed as it was an aftershock of the M=7.9 2016/12/17 earthquake.