

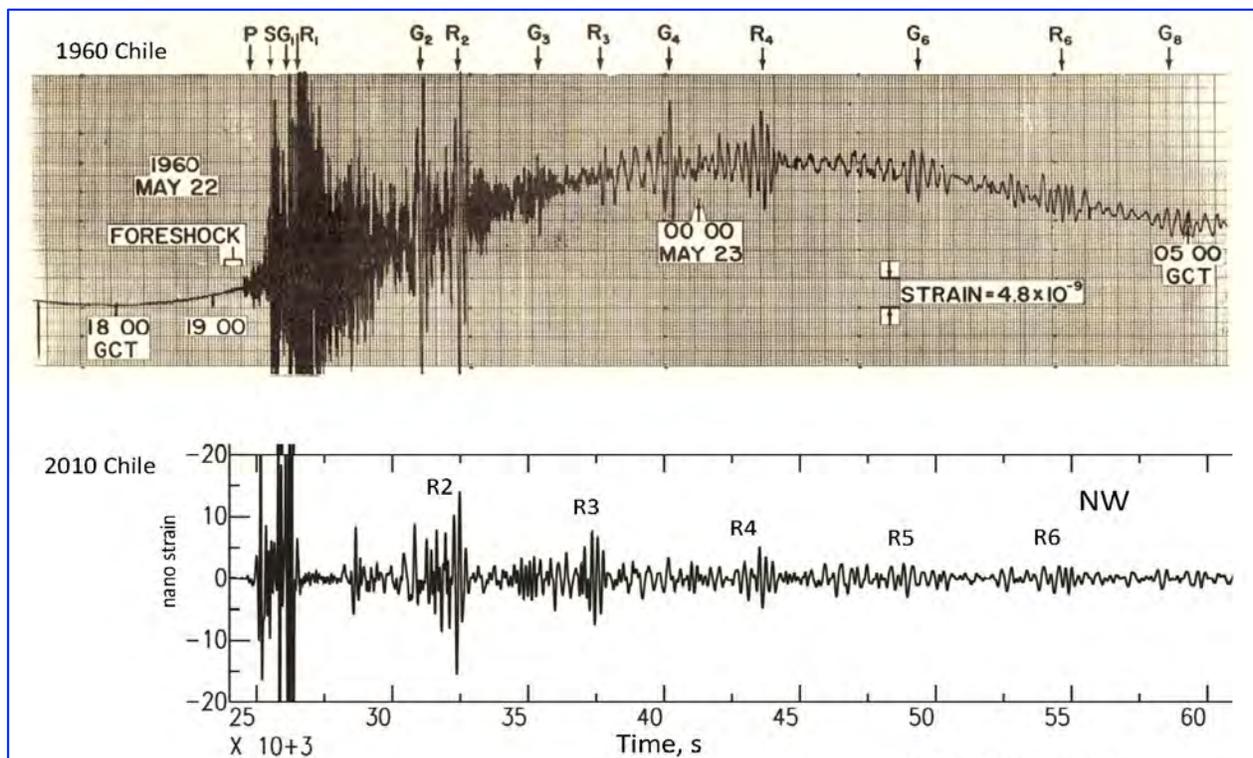
Revisiting the 1960 Chilean earthquake

Comparison of the 1960 Chile (Valdivia) and the 2010 Chile (Maule) Earthquakes

Top: The strainmeter record of the 1960 earthquake at ISA (NW component). This is one of the most important historical records in seismology from which the first observation of the Earth's free oscillations was made.

Bottom: The strainmeter record of the 2010 earthquake at PFO (NW component).

Note the large even-order *G* waves (Love waves and toroidal modes) on the 1960 record and the almost complete absence of them on the 2010 record, suggesting significantly different mechanisms for the two earthquakes.



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