

# Earthquake Report: 2017 Sequence Update #2

## M 5.9, 6.9, 5.9 Chile (comparisons with 1985, 2010, and 2015)

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USGS Google Earth

Depth (km)  
 0 - 33  
 33 - 70  
 70 - 150  
 150 - 300  
 300 - 500  
 500 - 800

Depth to Slab (km)  
 0 50 100 150 200 250 300 350 400 450 500 550 600 650 700

Plate Boundaries  
 Divergent  
 Transform  
 Convergent  
 Other

Plate Motion

Normal Fault Thrust Fault Strike-Slip Fault

Top View Side View Side View

INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
Shaking	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
Damage	None	None	None	Very slight	Light	Moderate	Moderate/heavy	Heavy	Very heavy
Peak Acc	<0.17	0.17-1.4	1.4-3.9	3.9-9.2	9.2-18	18-34	34-65	65-124	>124
Peak Vel	<0.1	0.1-1.1	1.1-3.4	3.4-8.1	8.1-16	16-31	31-60	60-116	>116

Peak Acc = Peak ground acceleration (g), Peak Vel = Peak ground velocity (cm/s)

