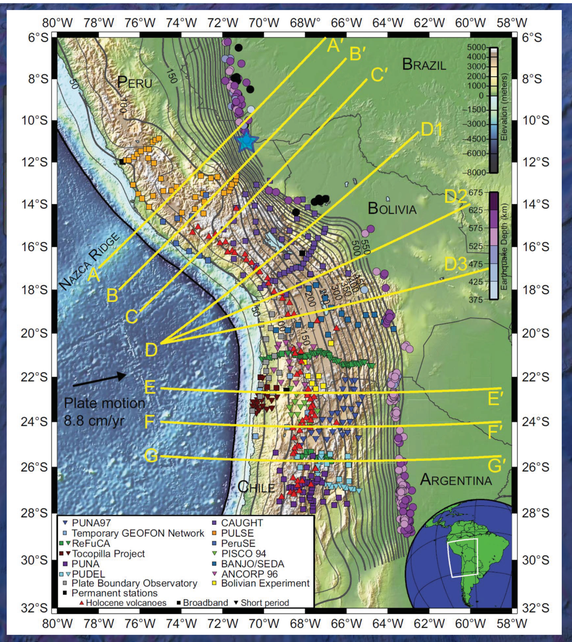
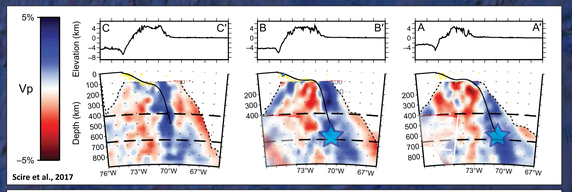
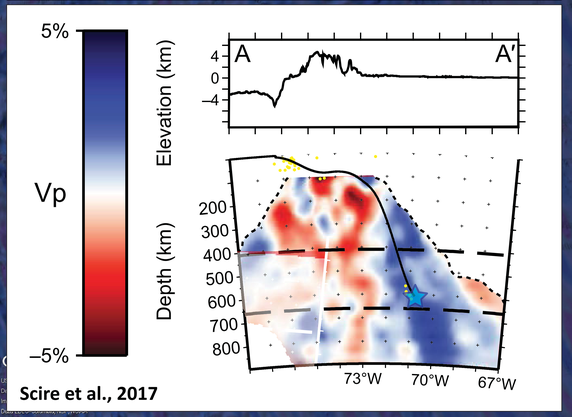
Earthquake Report: 2018.08.24
M 7.1 Peru



Scire et al., 2017



Scire et al., 2017



Scire et al., 2017

Total Intensity Anomaly (nT)

CIRES

Magnitude

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

Jason R. Patton
earthjay.com © 2018

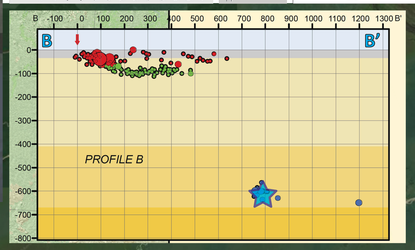
USGS Google Earth

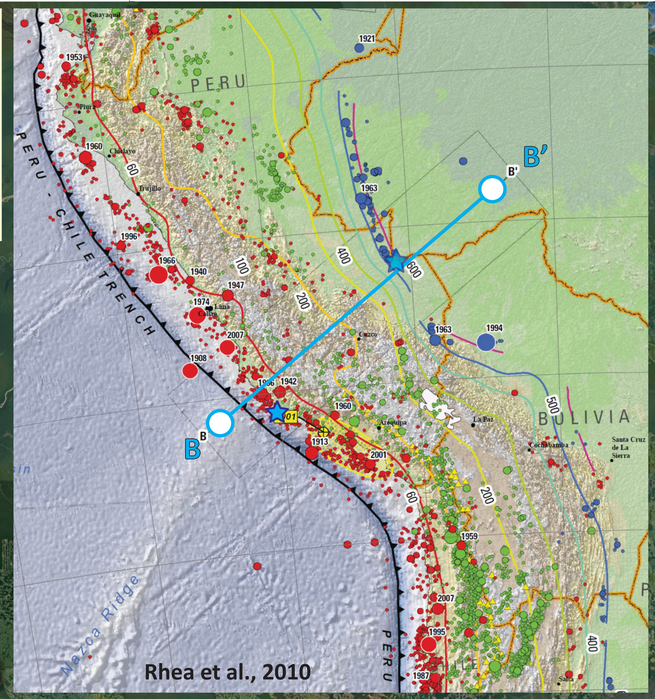
Depth to Slab (km)

Normal Fault | Thrust Fault | Strike-Slip Fault

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)





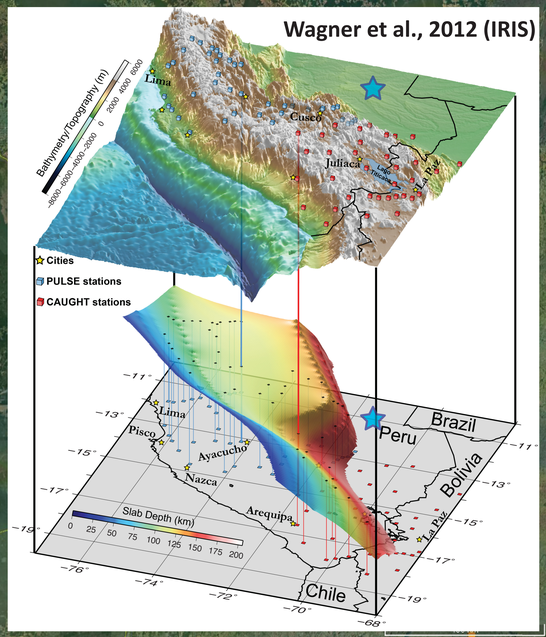
Rhea et al., 2010

Peru Trench
Viru fracture zone
Mendaña fracture zone
Nazca Ridge
Nazca fracture zone

MMI 2.5

2018.08.24
M 7.1

400 km
N



Wagner et al., 2012 (IRIS)