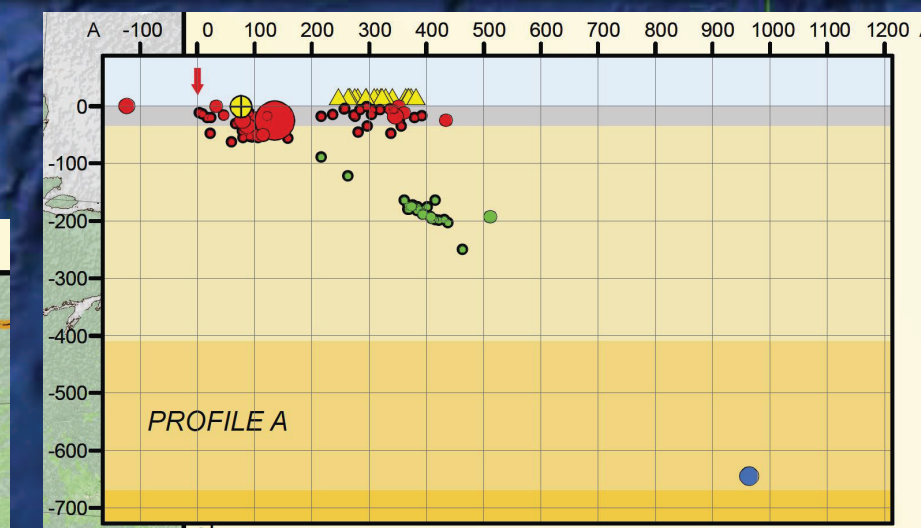
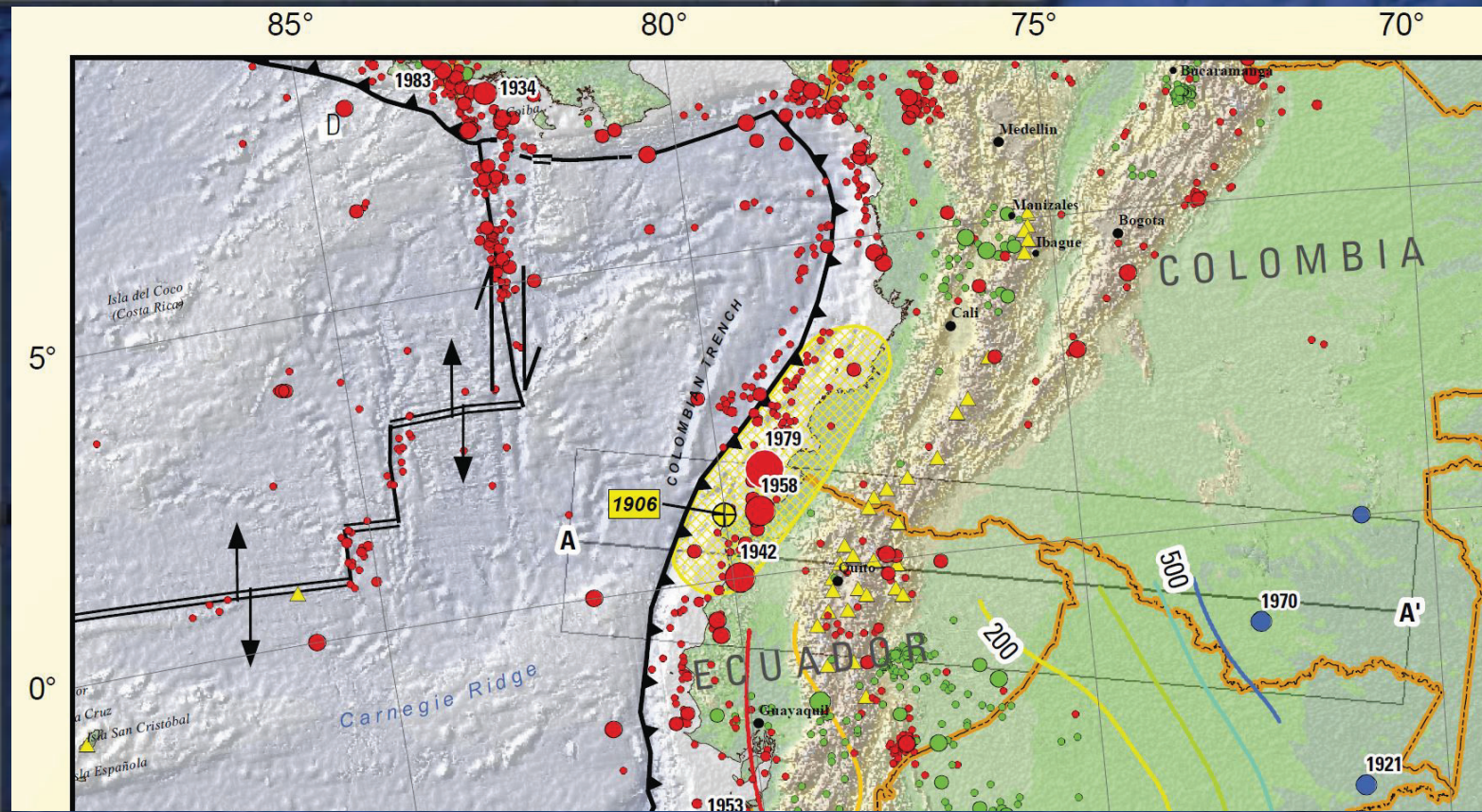
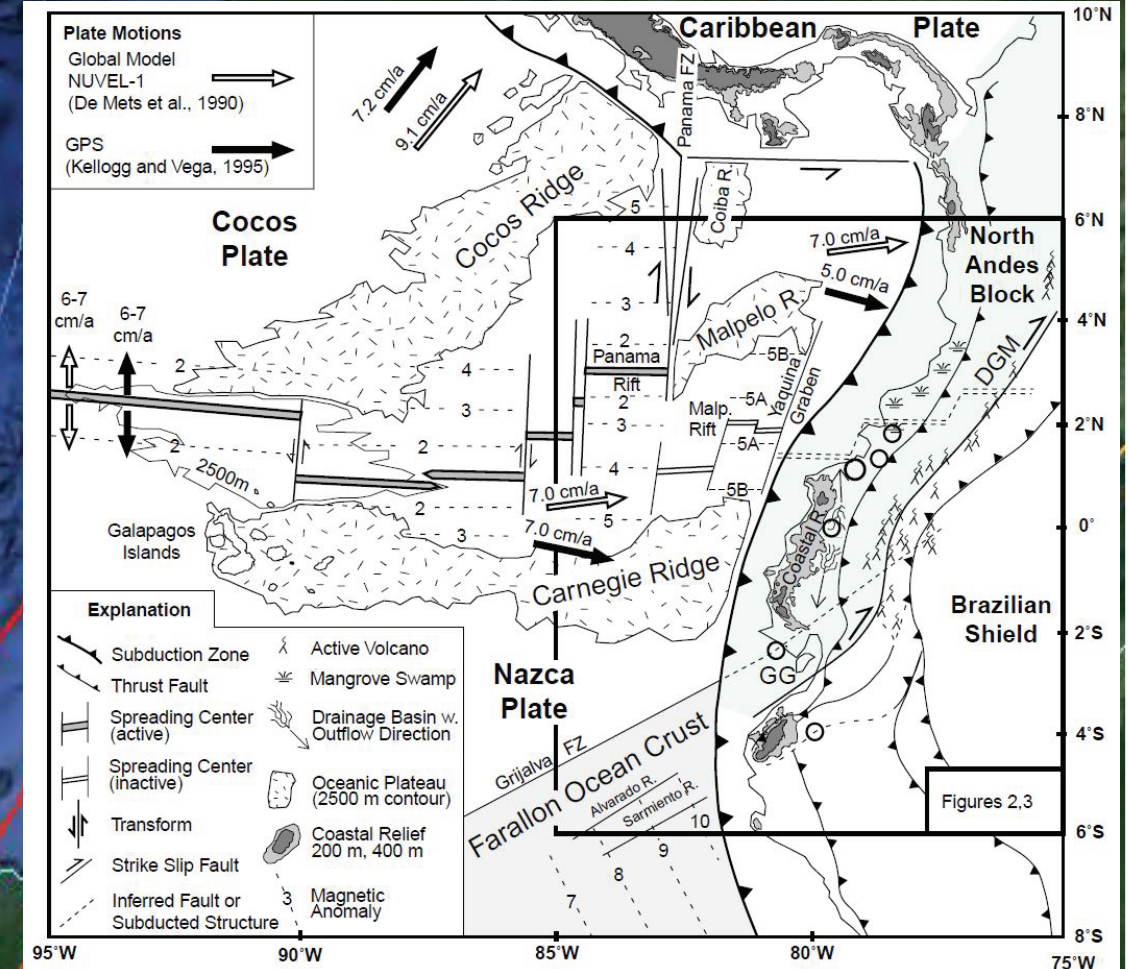


USGS ShakeMap									
Instrumental Intensity	I	II-III	IV	V	VI	VII	VIII	IX	X
Potential Shaking	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
Potential Damage	None	None	None	Very Light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy

Magnitude	8 7 6 5 4 3 2 1
Depth (km)	0 - 33 33 - 70 70 - 150 150 - 300 300 - 500 500 - 800



Gutscher et al. (1999)



Rhea et al. (2010)

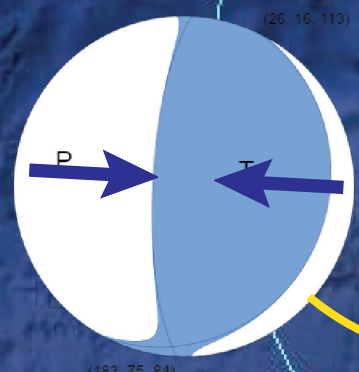
Rhea et al. (2010)

Cocos plate

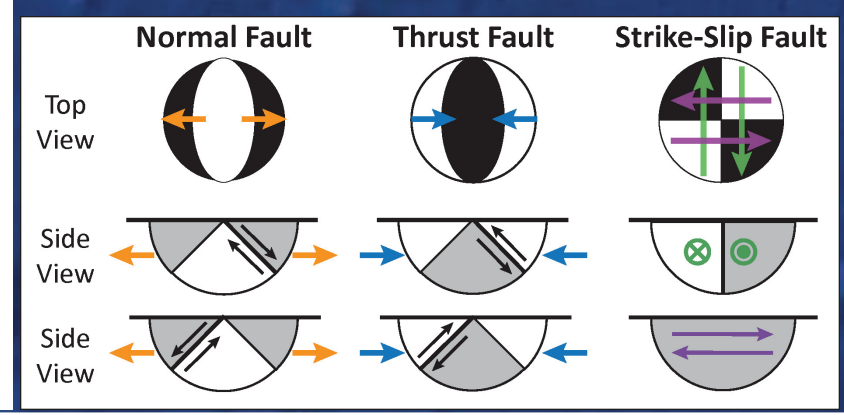
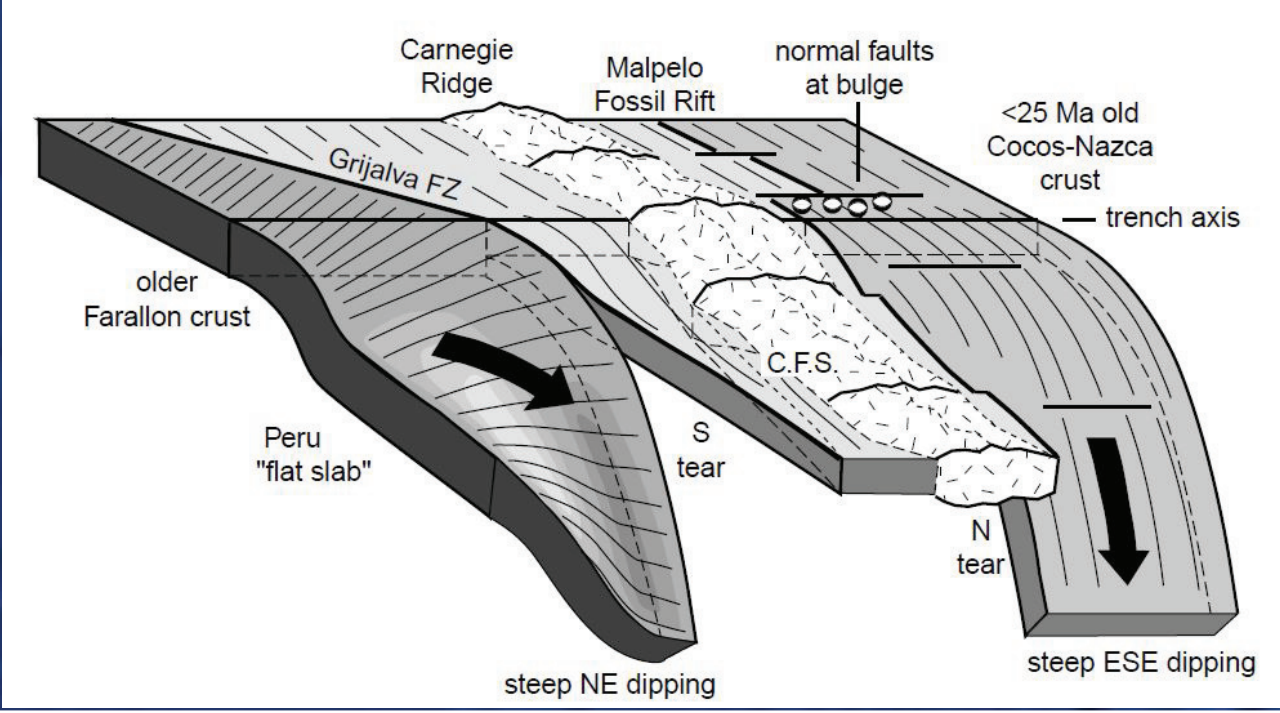
Nazca plate

2016.04.16
M 7.8

Carnegie Ridge



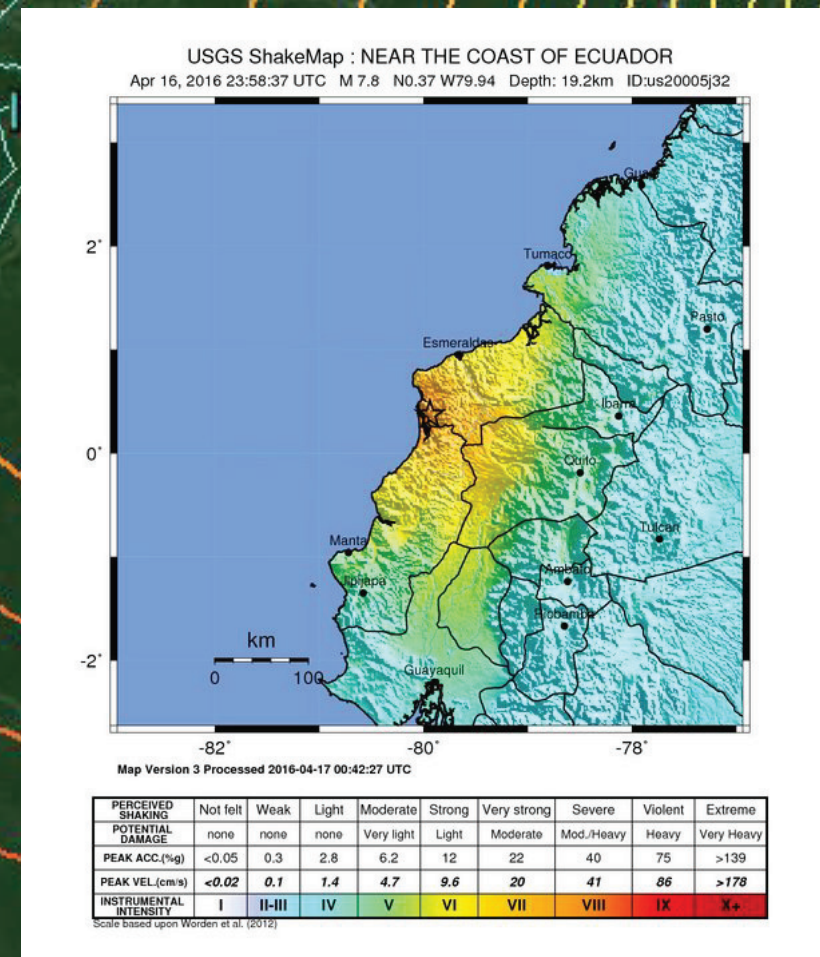
Gutscher et al. (1999)



Data SIO, NOAA, U.S. Navy, NGA, GEBCO
Image Landsat
Data LDEO-Columbia, NSF, NOAA

200 km

South America
plate



PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	Very light	Light	Moderate	Mod./Heavy	Heavy	Very Heavy	Very Heavy
PEAK ACC. (m/s²)	<0.05	0.3	2.8	6.2	12	22	40	75	>139
PEAK VEL. (cm/s)	<0.02	0.7	7.4	4.7	9.6	20	47	86	>178
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X

Google earth

