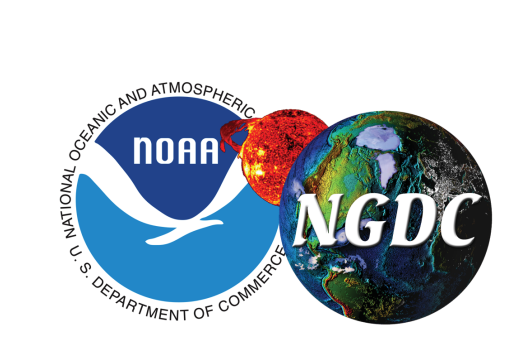
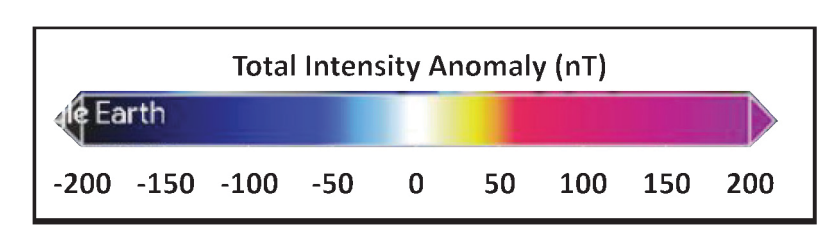


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M 4.7 Gorda



USGS Quaternary Fault and Fold Database

Historic

Holocene / Latest Pleistocene

Late Quaternary

Mid-Late Quaternary

Quaternary

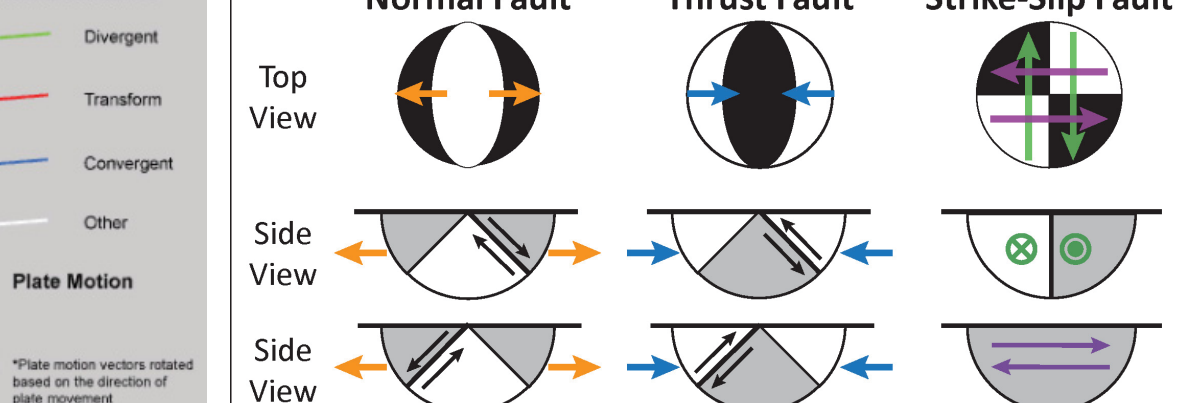
USGS



USGS Google Earth

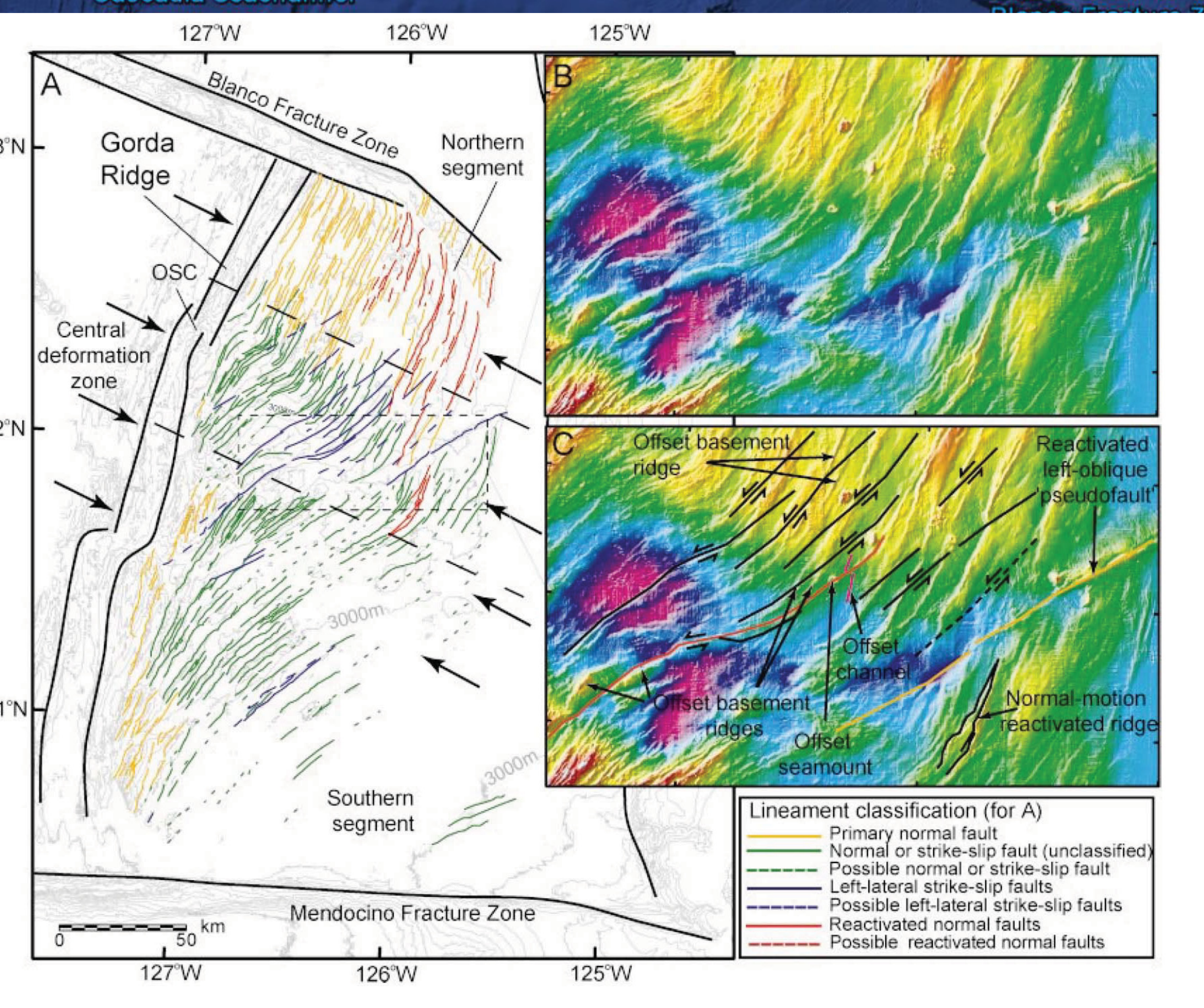
Depth to Slab (km)

0 50 100 150 200 250 300 350 400 450 500 550 600 650 700

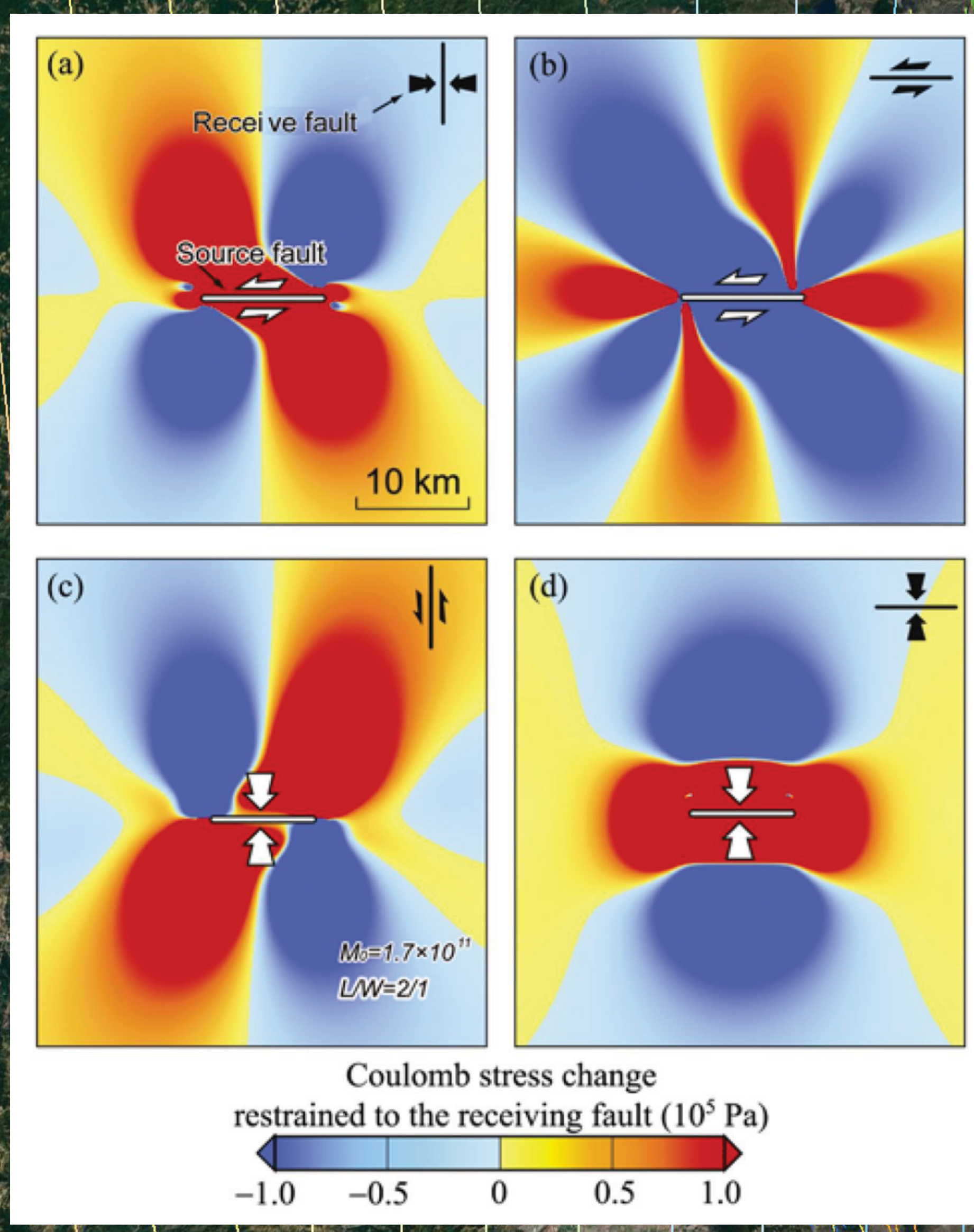
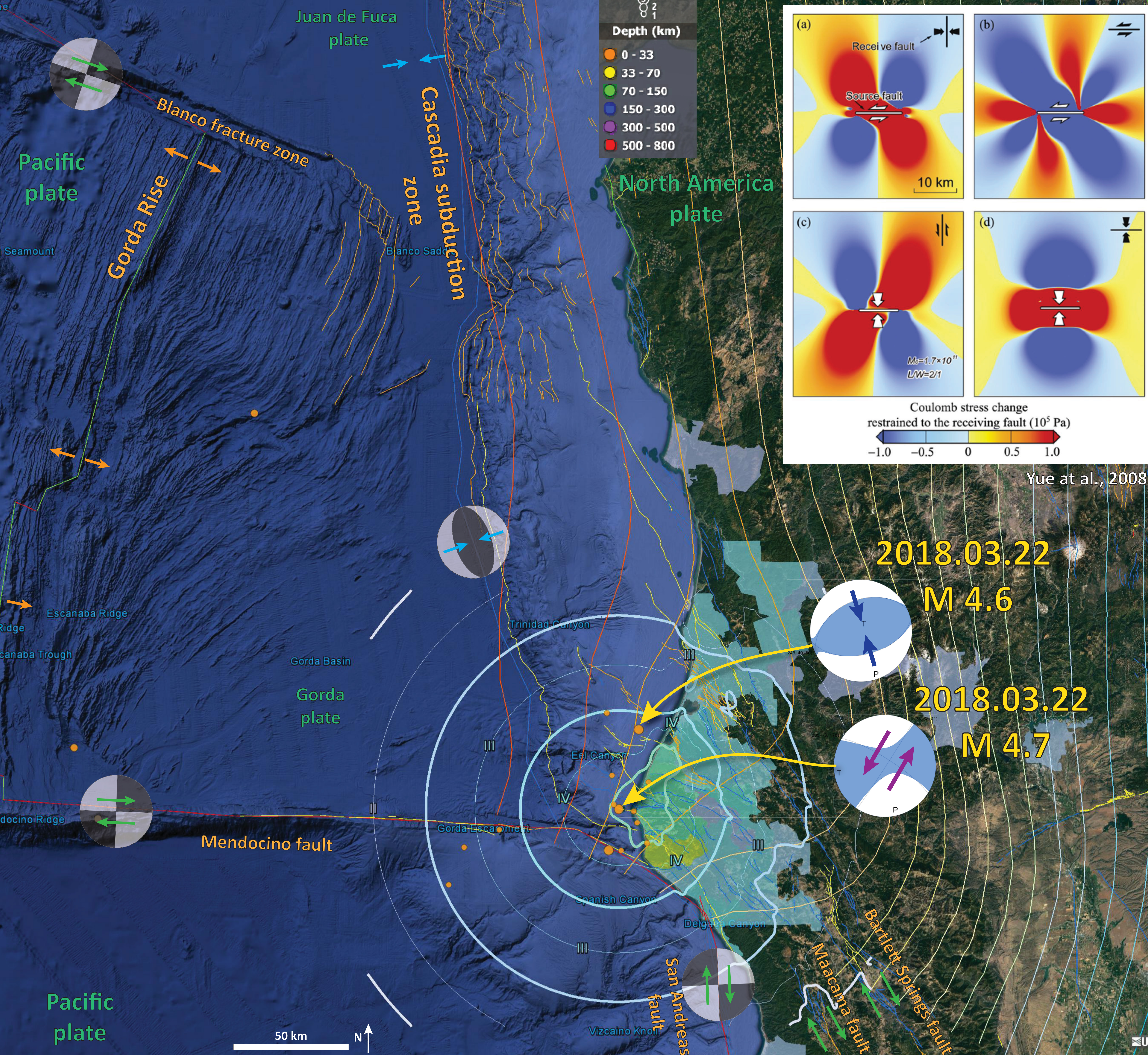
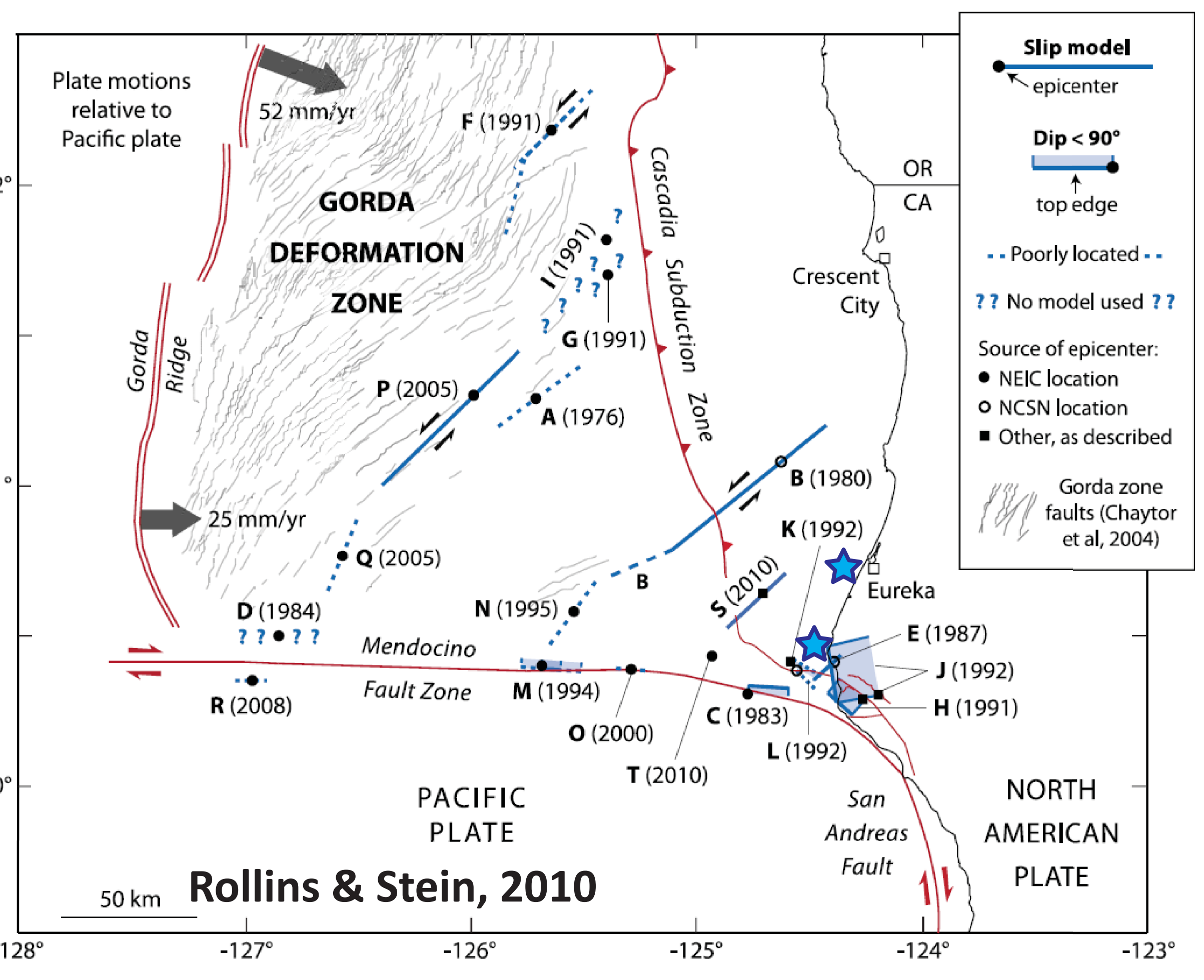
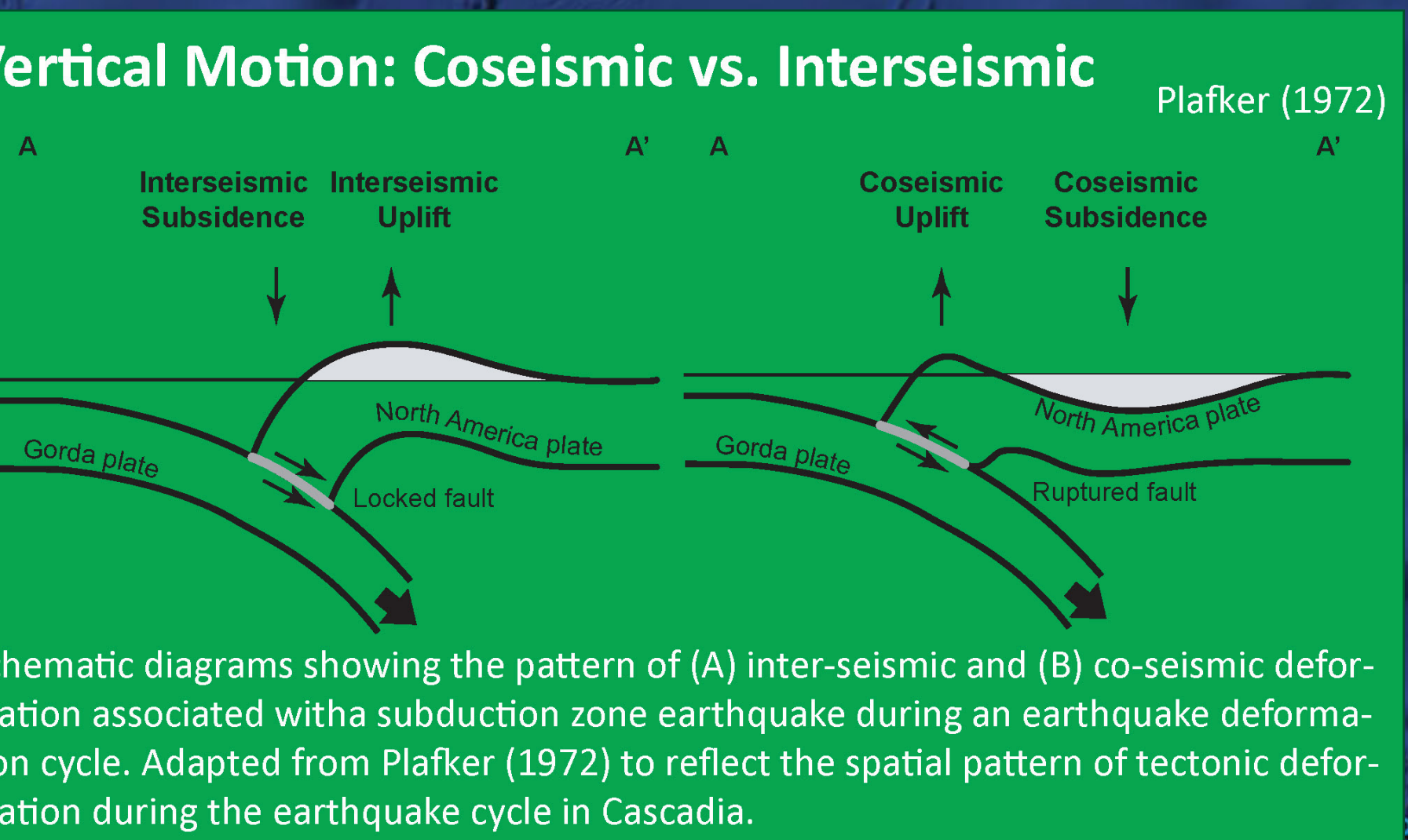


INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
Shaking	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
Damage	None	None	None	Very slight	Light	Moderate	Moderate/heavy	Heavy	Very heavy
Peak Acc	<0.17	0.17-1.4	1.4-3.9	3.9-9.2	9.2-18	18-34	34-65	65-124	>124
Peak Vel	<0.1	0.1-1.1	1.1-3.4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



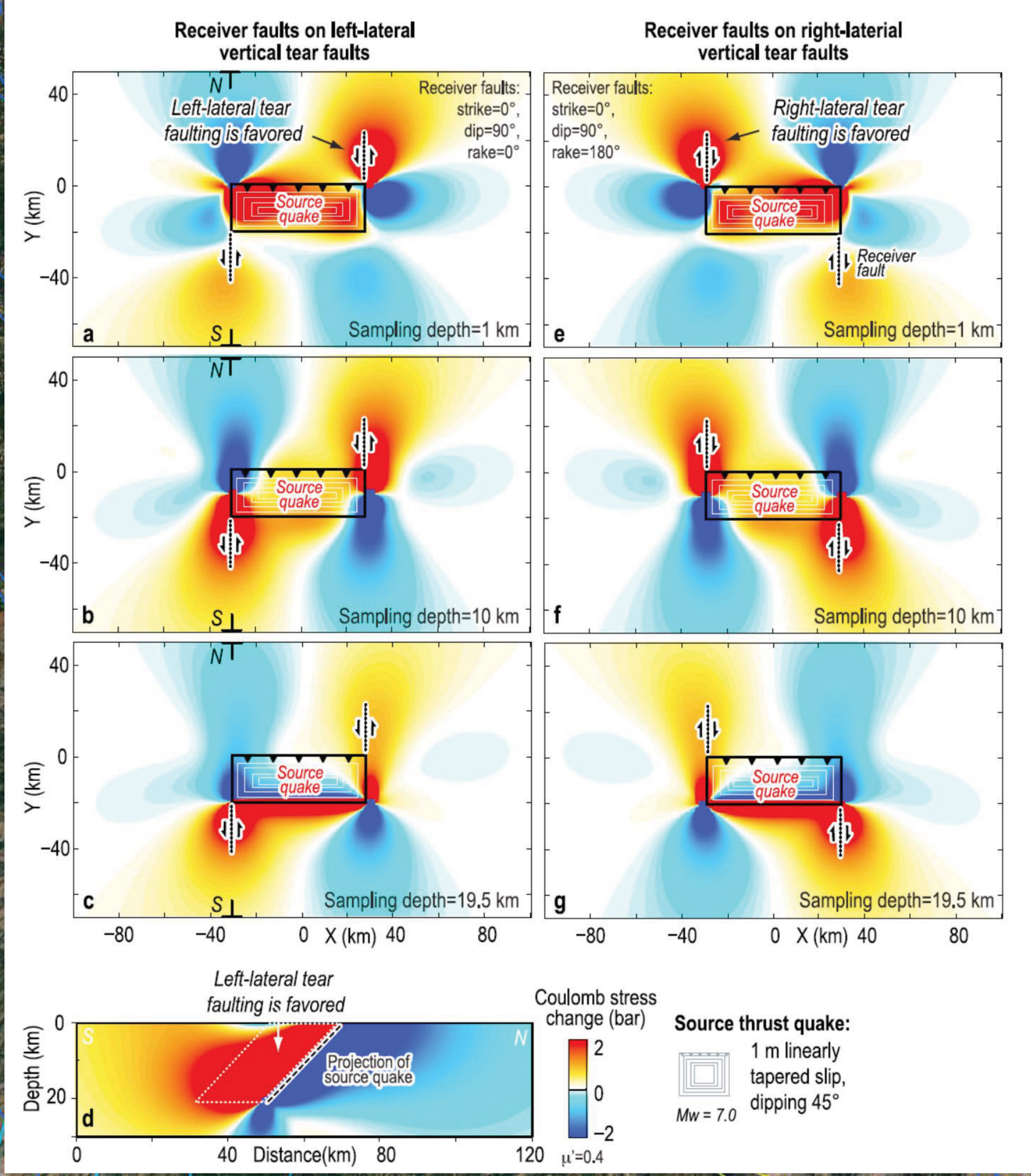
Chaytor et al., 2004



Yue et al., 2008



Plate configuration for the Cascadia subduction zone (CSZ). The Juan de Fuca and Gorda plates are subducting northeastwardly obliquely beneath the North America plate at ~36 mm/yr in the Humboldt Bay region. Paleoseismic core sites (marine and terrestrial) are plotted as circles.



Lin et al., 2011