Earthquake Report:
2016.12.08 M 6.5 Mendocino

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Dengler et al., 1995.
Rollins and Stein, 2010

Rollins and Stein, 2010

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

Vertical Motion: Coseismic vs. Interseismic

Schematic diagram showing the pattern of A) interseismic and B) coseismic deformation associated with subduction zone earthquake during an earthquake deformation cycle. Adapted from Parfitt (1972) to reflect the spatial pattern of tectonic deformation during the earthquake cycle in Cascadia.

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