

Coseismic slip distribution of the February 27, 2010 Mw 8.8 Maule, Chile earthquake

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Figure 2. Coseismic slip models derived from (a) InSAR data only, (b) GPS data only, and (c) combined GPS and InSAR data, with seismic moment indicated for each model. Contour interval is 3 m. Star symbol indicates the Global CMT epicenter.

Figure 3. Observed coseismic GPS offsets (black vectors) with 95% uncertainties compared with model horizontal offsets using the coseismic slip model obtained by the joint InSAR /GPS inversion, which is contoured in gray (values in meters). White lines indicate the surface projection of the fault plane.