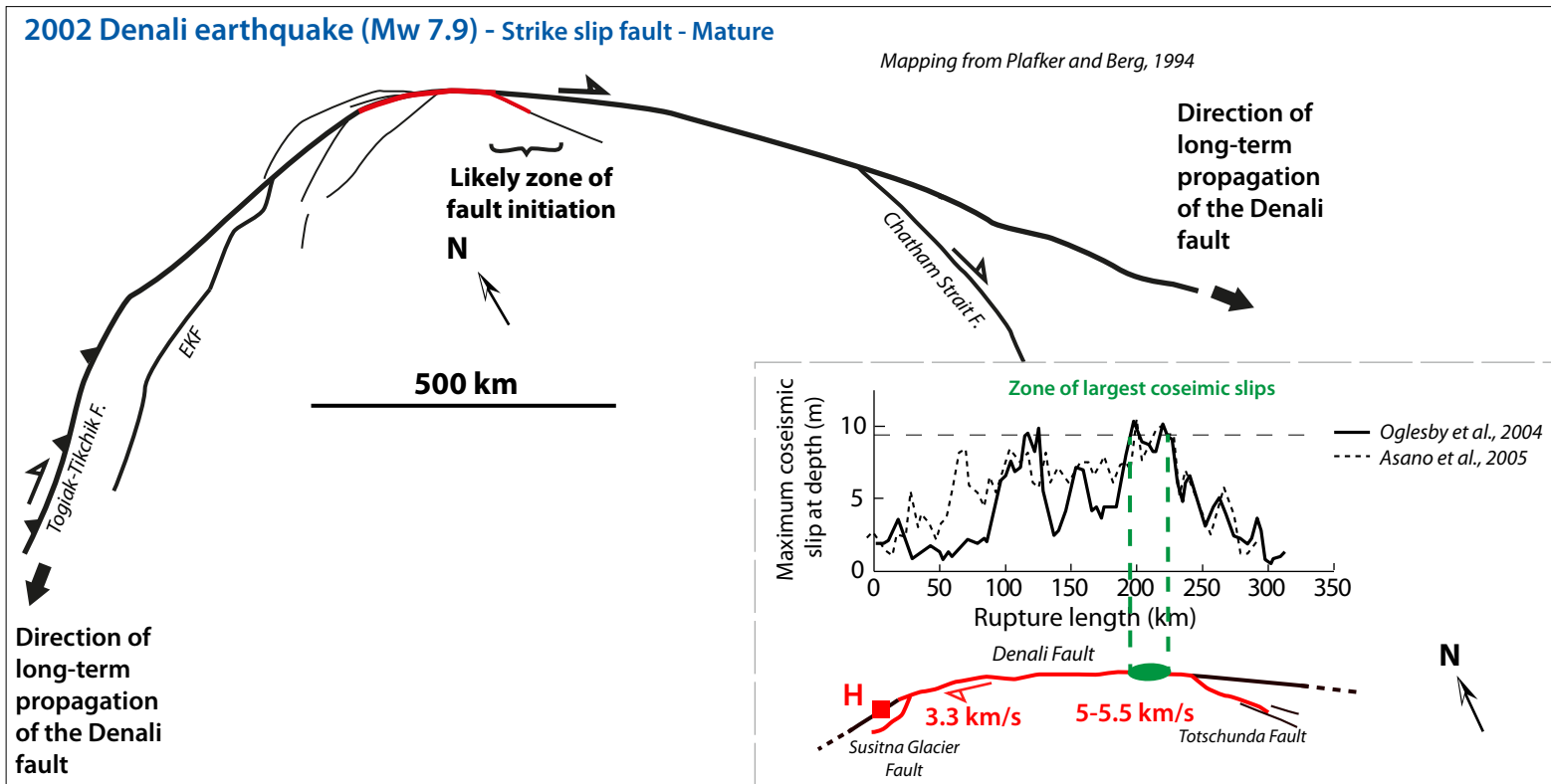
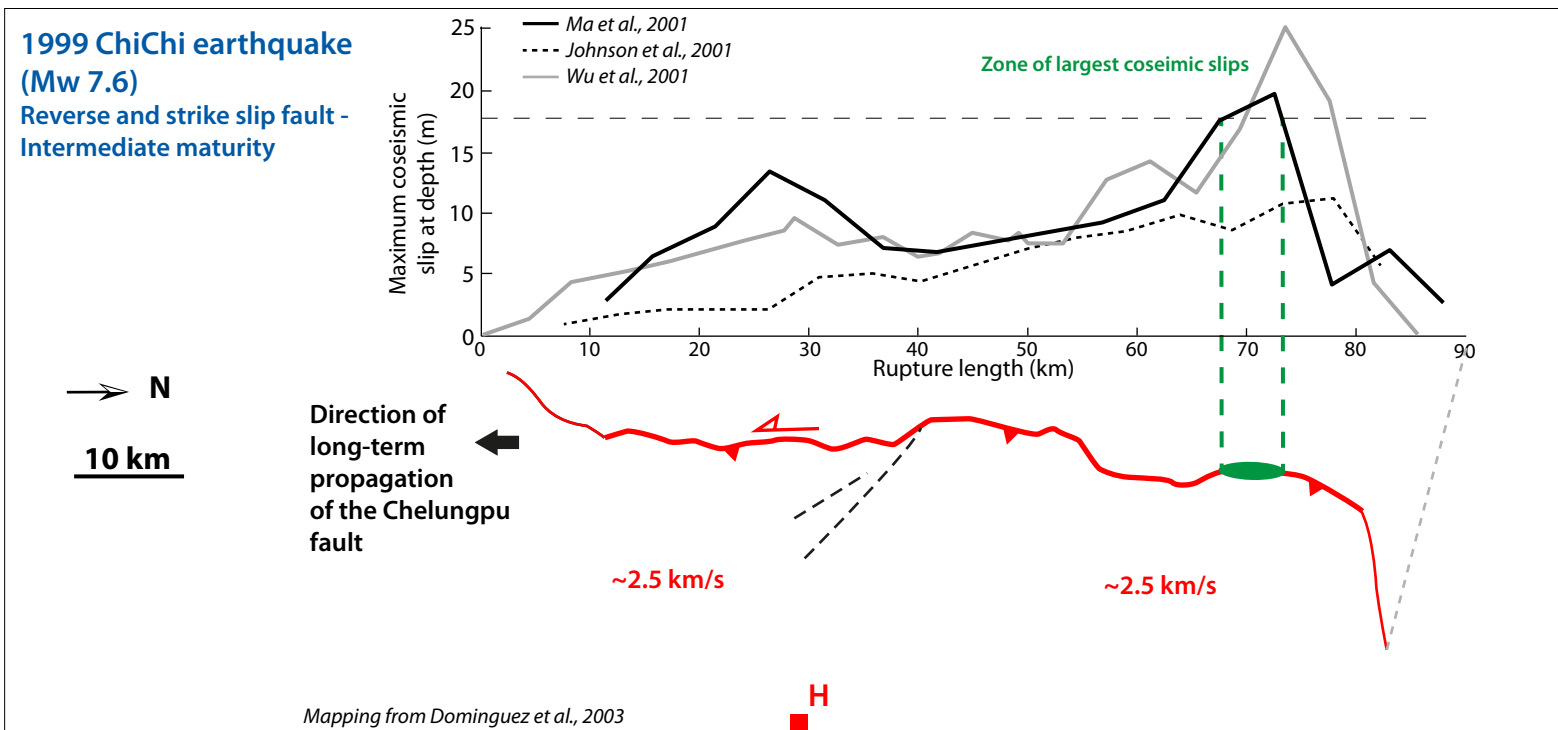
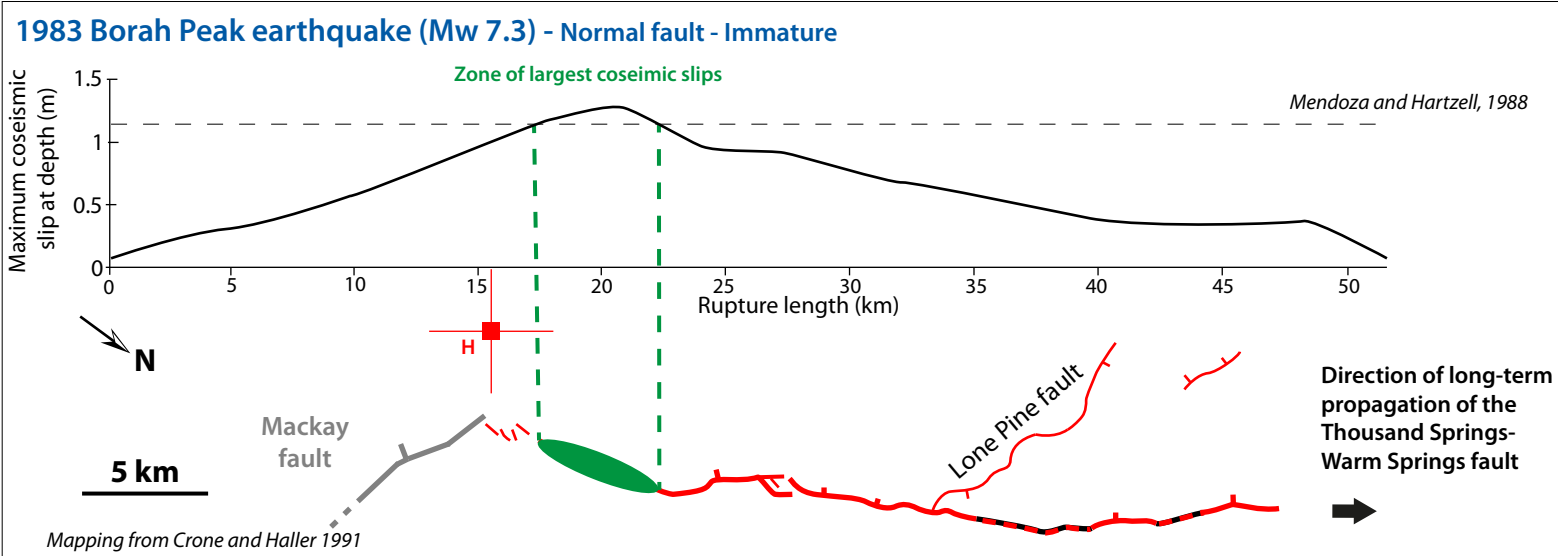


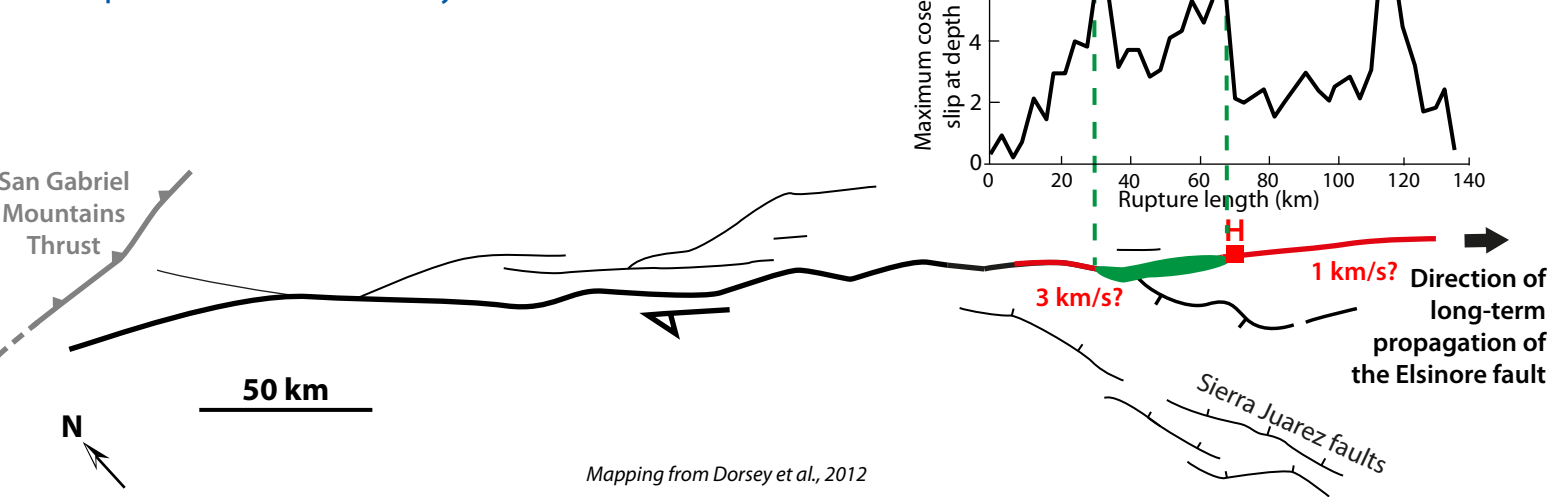
# Supplementary Figure S2; Perrin et al.

Relations between earthquake surface traces and slip-length profiles at depth (inferred from source inversion models), and fault architecture and long-term propagation, for all earthquakes analyzed in present study for which source models are available.

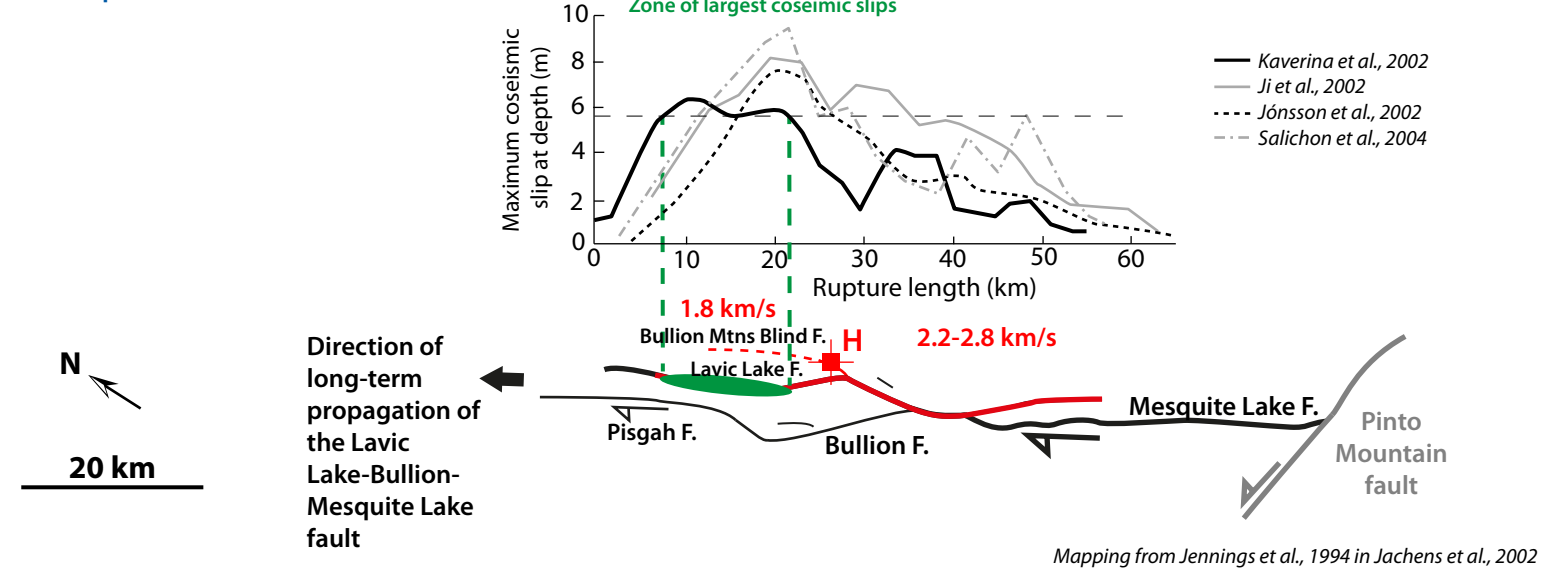


# Supplementary Figure S2; Perrin et al. (following)

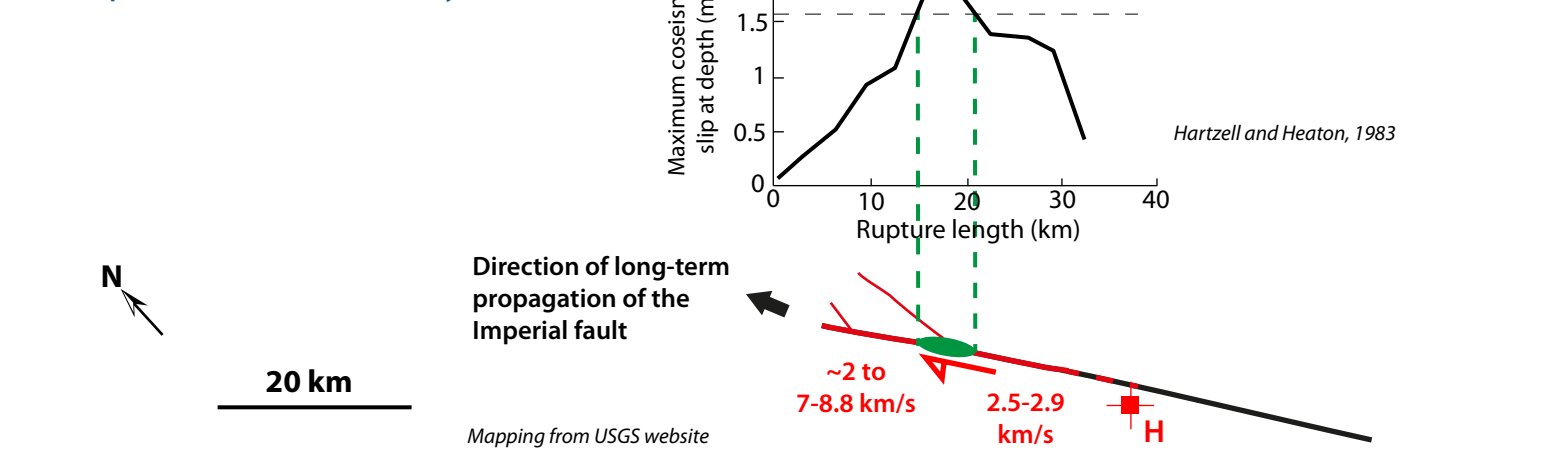
## 2010 El Mayor Cucapah earthquake (Mw 7.2) Strike slip fault - Intermediate maturity



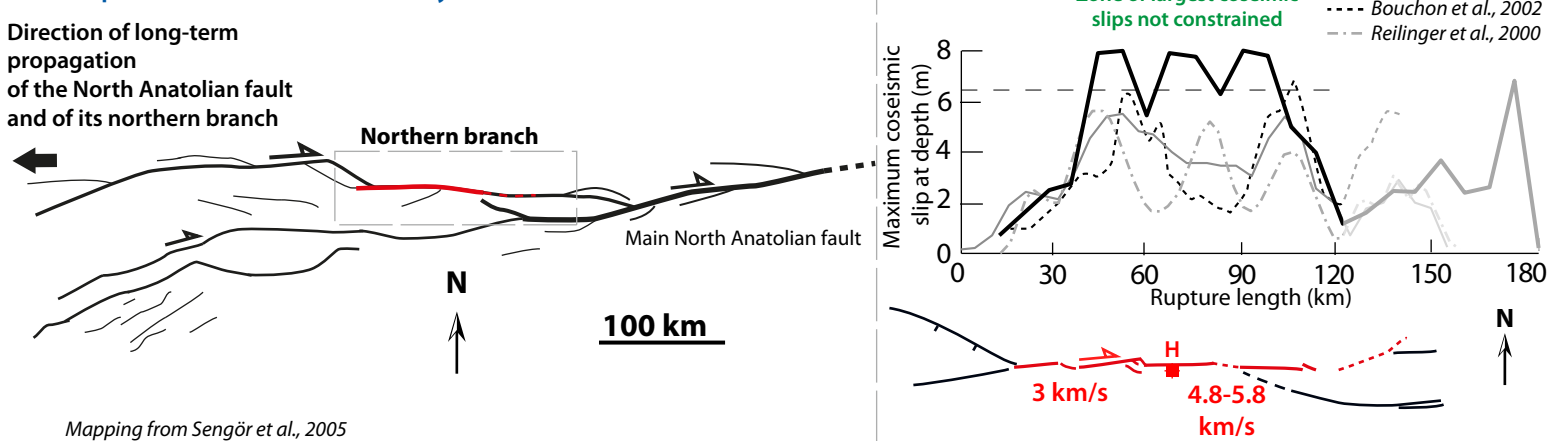
## 1999 Hector Mine earthquake (Mw 7.1) Strike slip fault - Immature fault



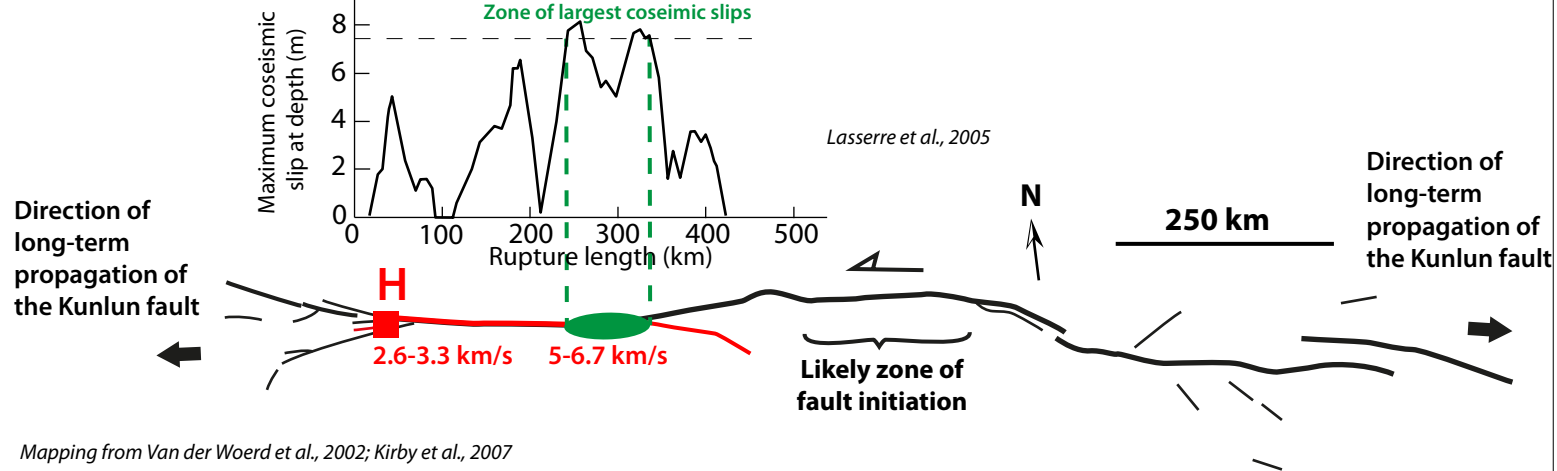
## 1979 Imperial Valley earthquake (Mw 6.5) Strike slip fault - Intermediate maturity?



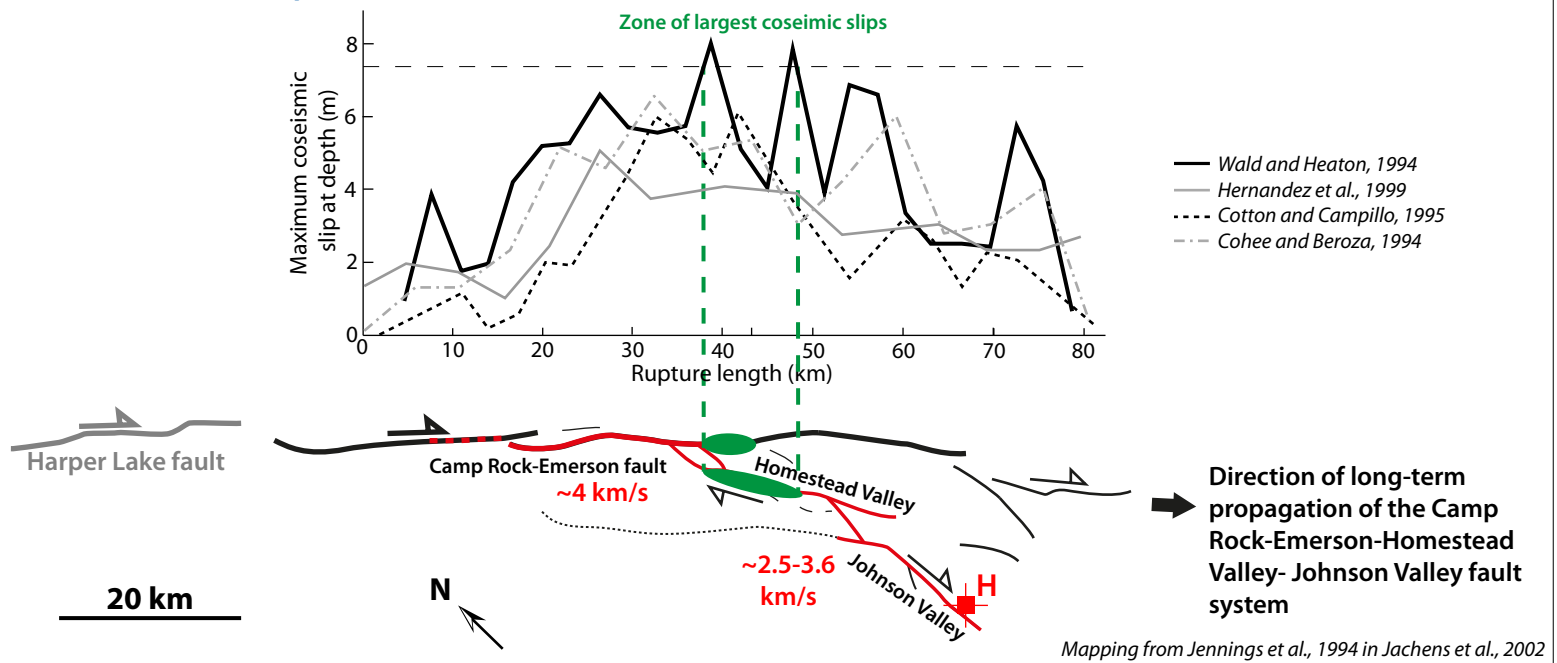
## 1999 Izmit earthquake (Mw 7.4-7.6) Strike slip fault - Intermediate maturity



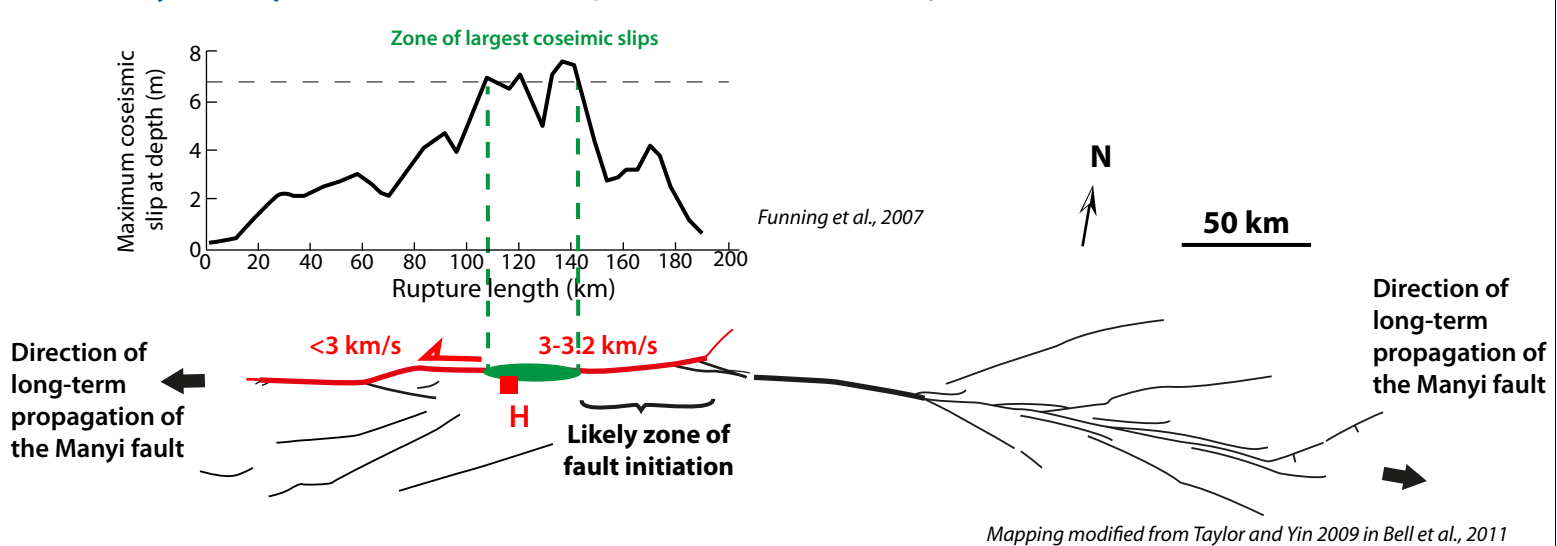
**2001 Kunlun earthquake (Mw 7.8) - Strike slip fault - Mature**



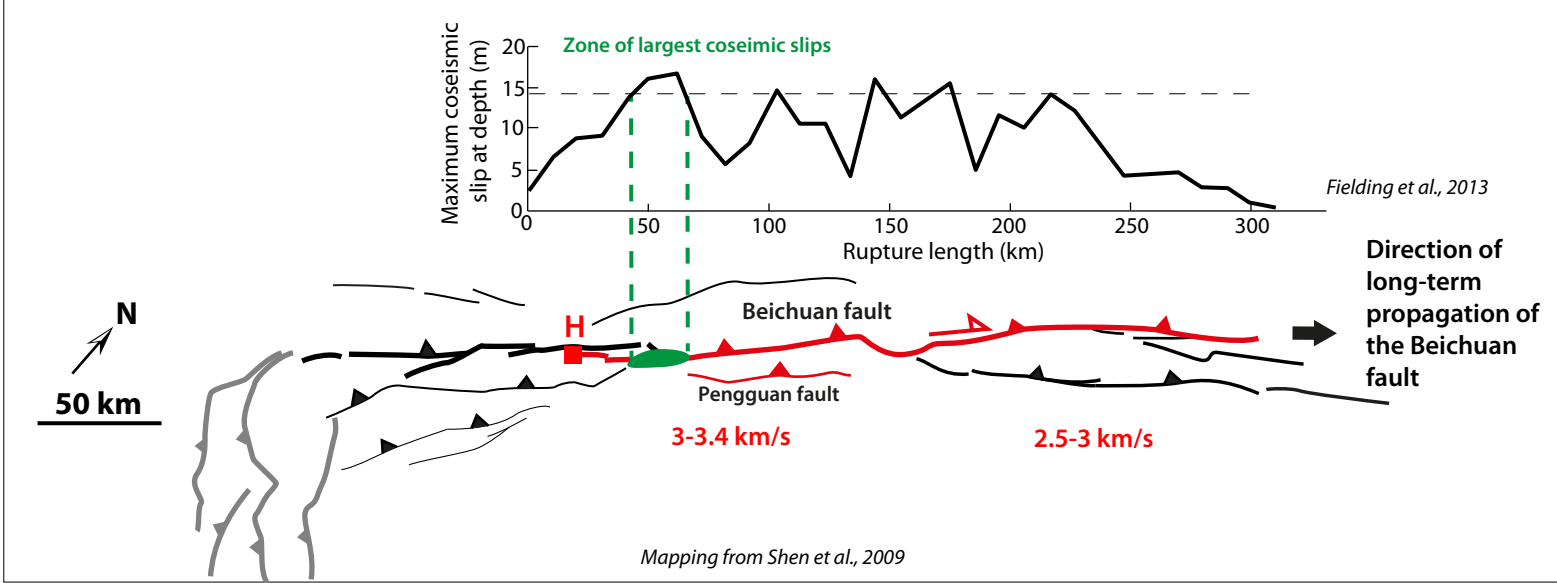
**1992 Landers earthquake (Mw 7.3) - Strike slip fault - Immature**



**1997 Manyi earthquake (Mw 7.5) - Strike slip fault - Intermediate maturity**

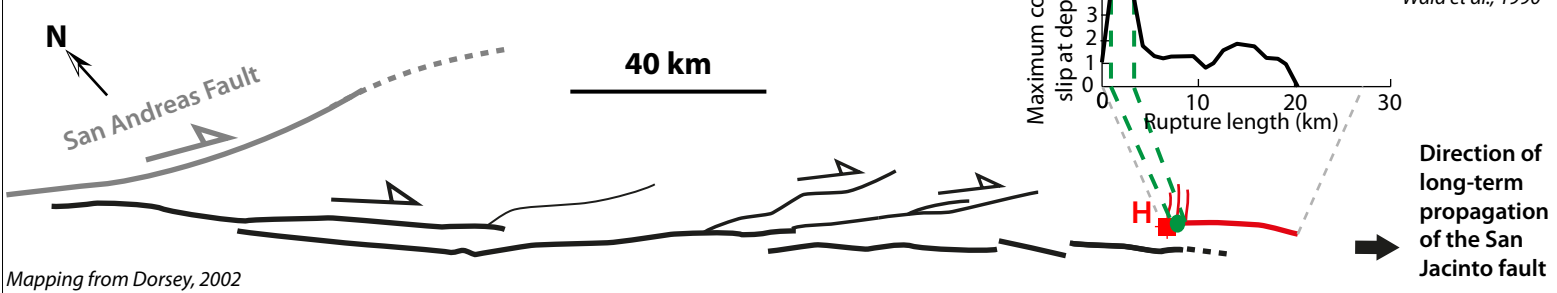


2008 Sichuan earthquake (Mw 7.9) - Reverse (and strike slip) fault - Intermediate maturity



1987 Superstition Hills earthquake (Mw 6.6)

Strike slip fault - Intermediate maturity



2010 Yushu earthquake (Mw 7.1) - Strike slip fault - Intermediate maturity

