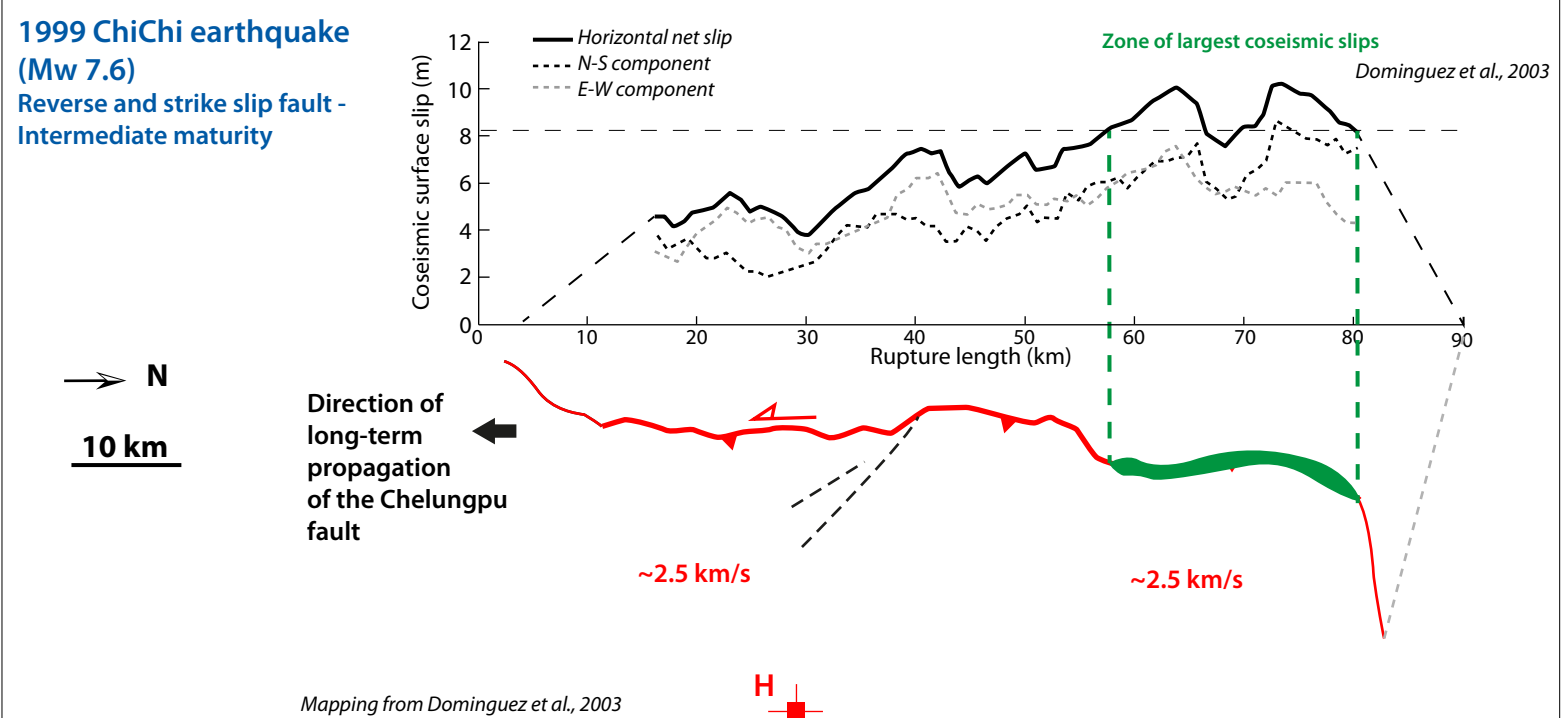
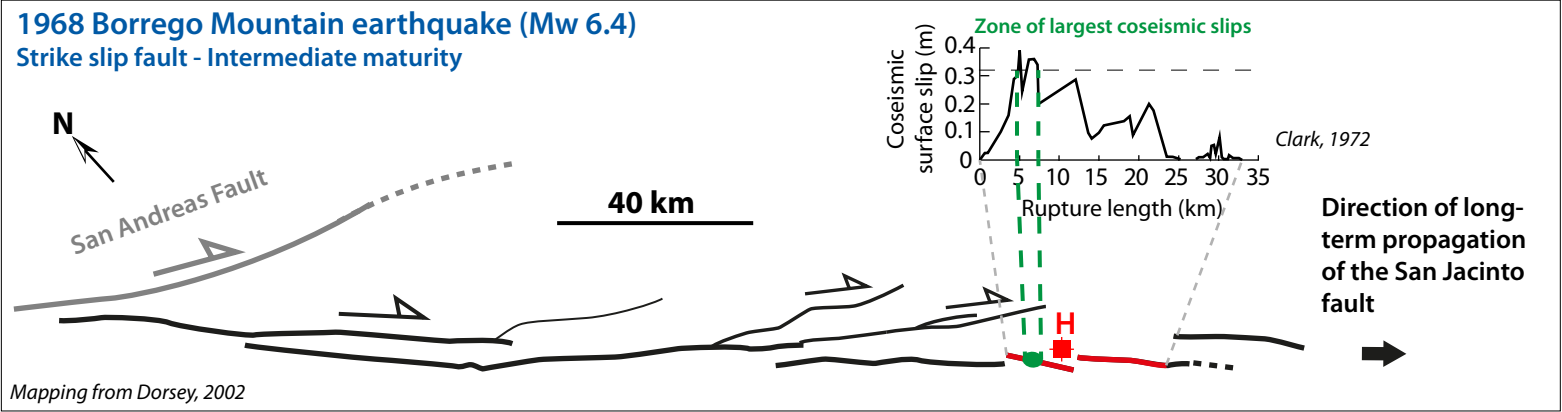
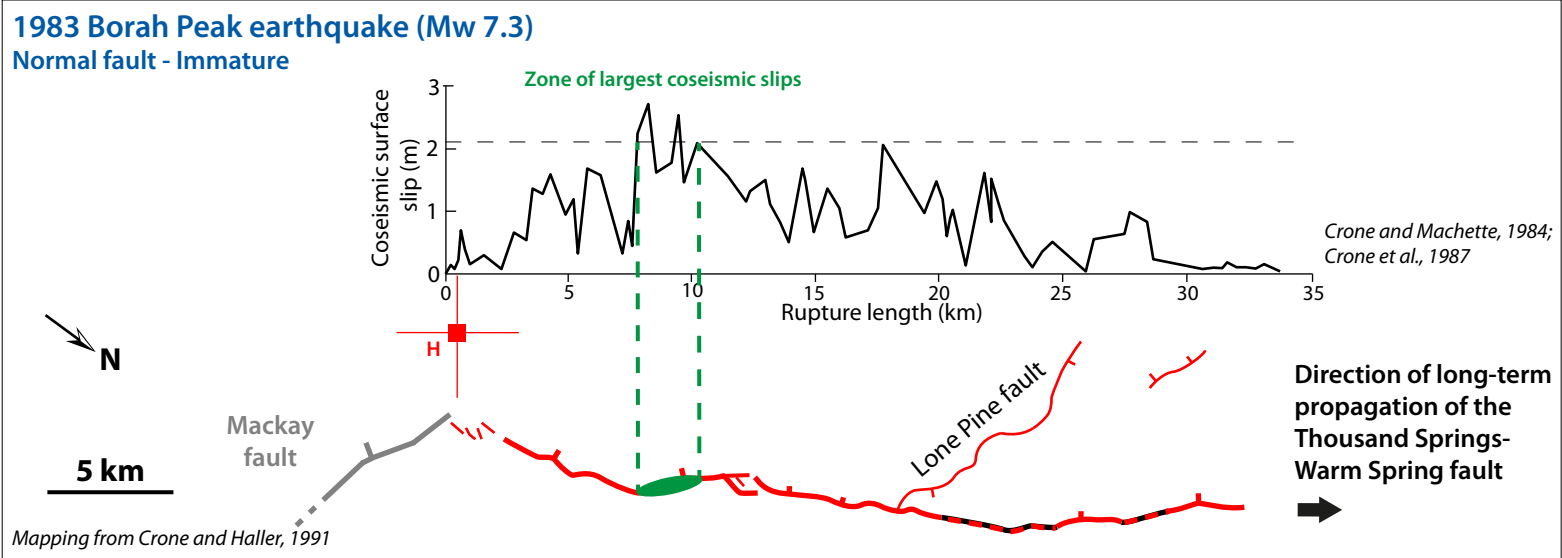
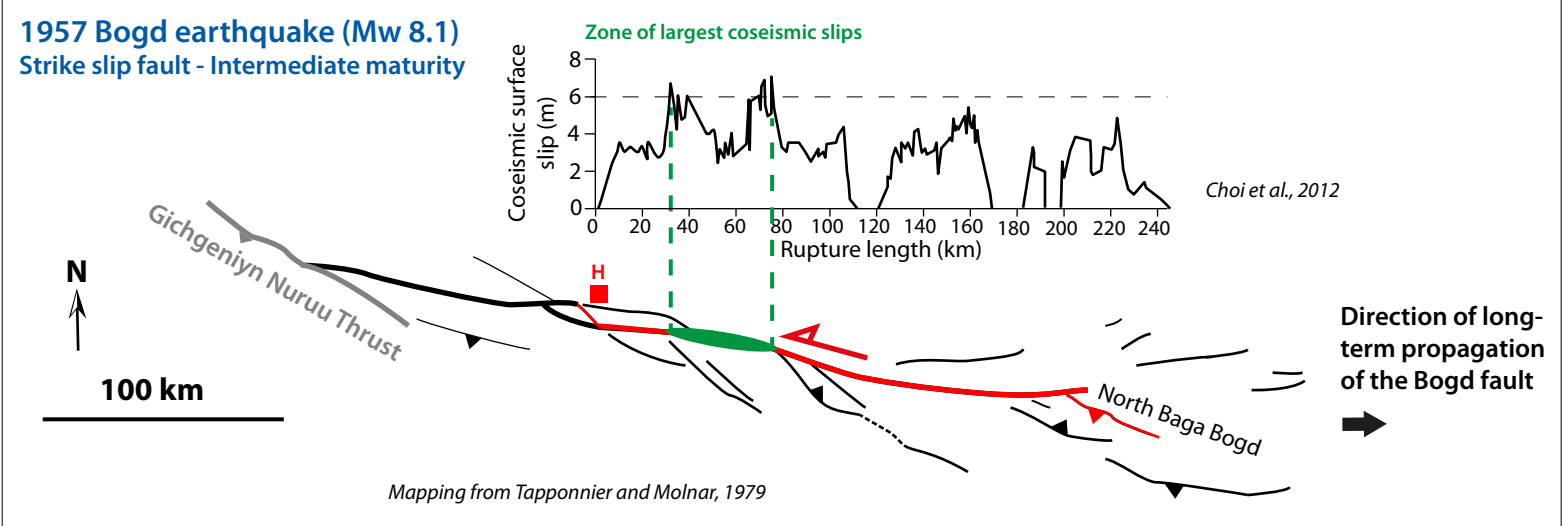
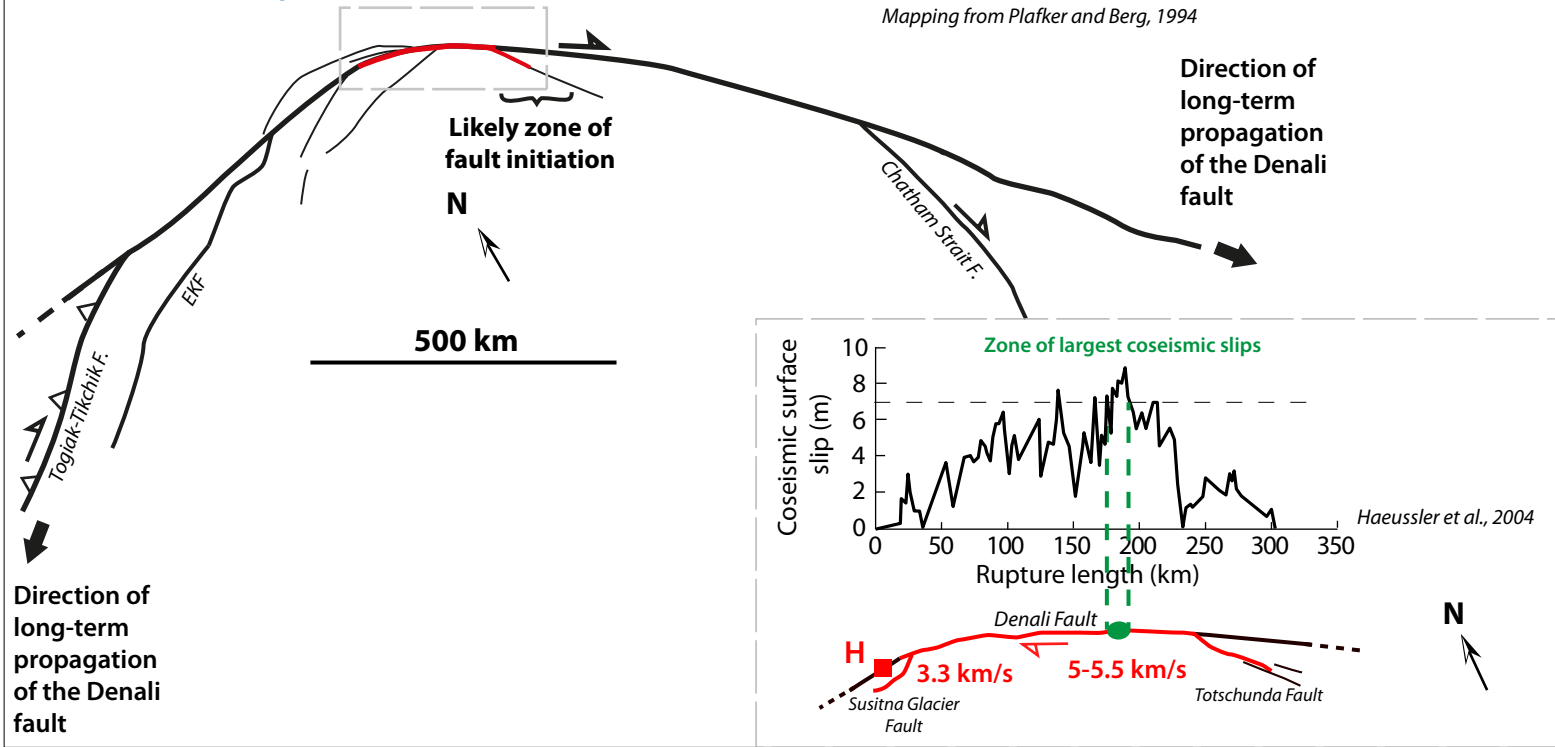


Supplementary Figure S1; Perrin et al.

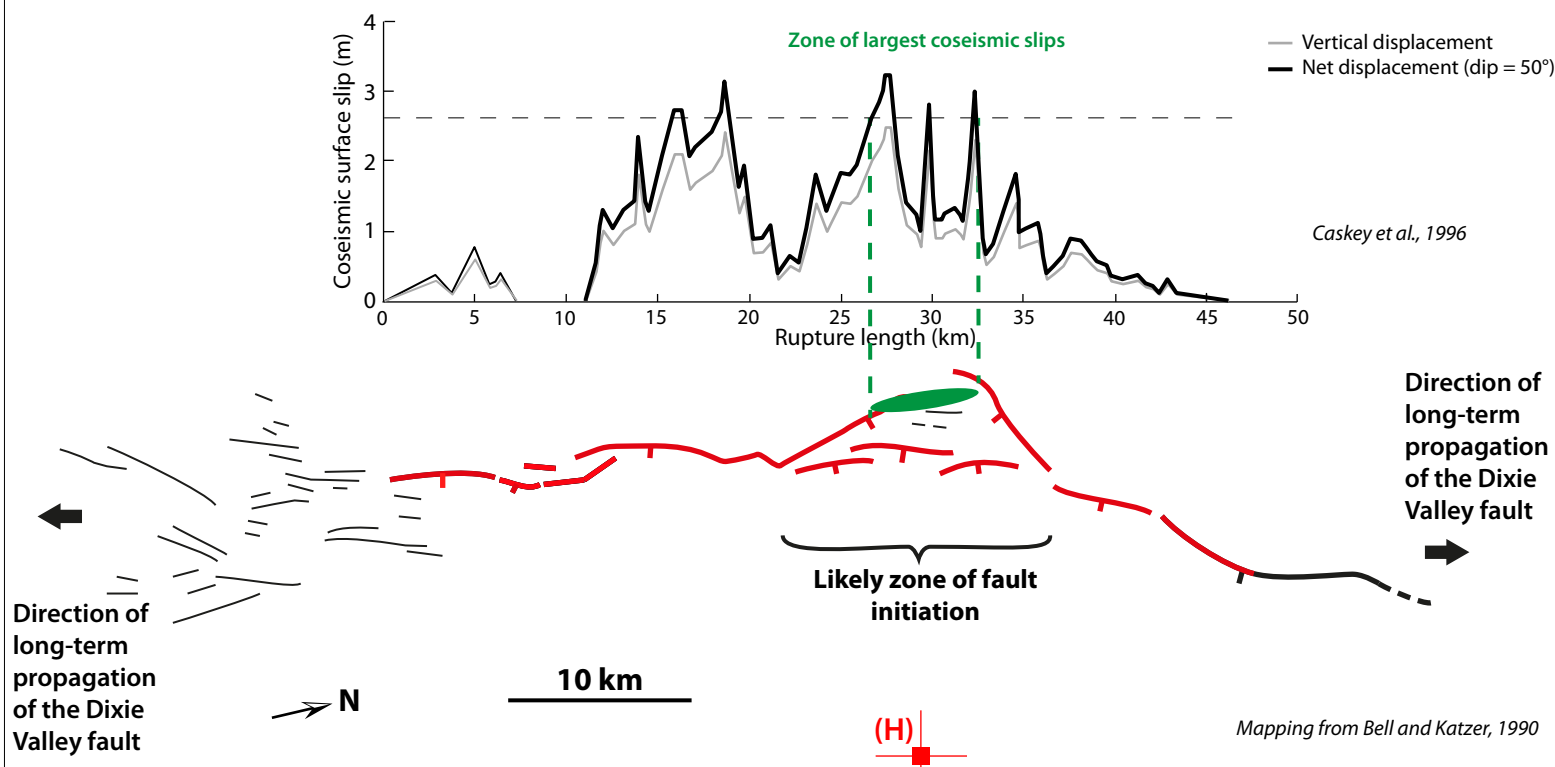
Relations between earthquake surface traces and slips, and fault architecture and long-term propagation, for all earthquakes analyzed in present study.



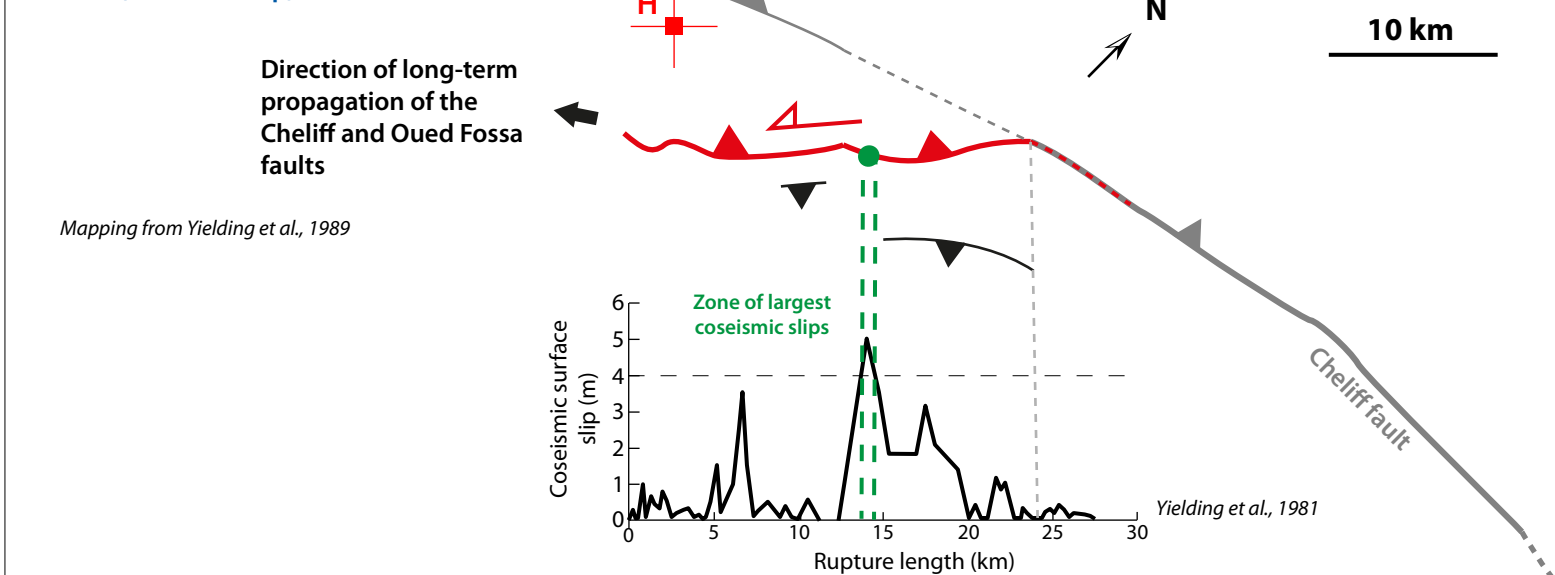
2002 Denali earthquake (Mw 7.8) - Strike slip fault - Mature



1954 Dixie Valley earthquake (Mw 6.7) - Normal fault - Immature

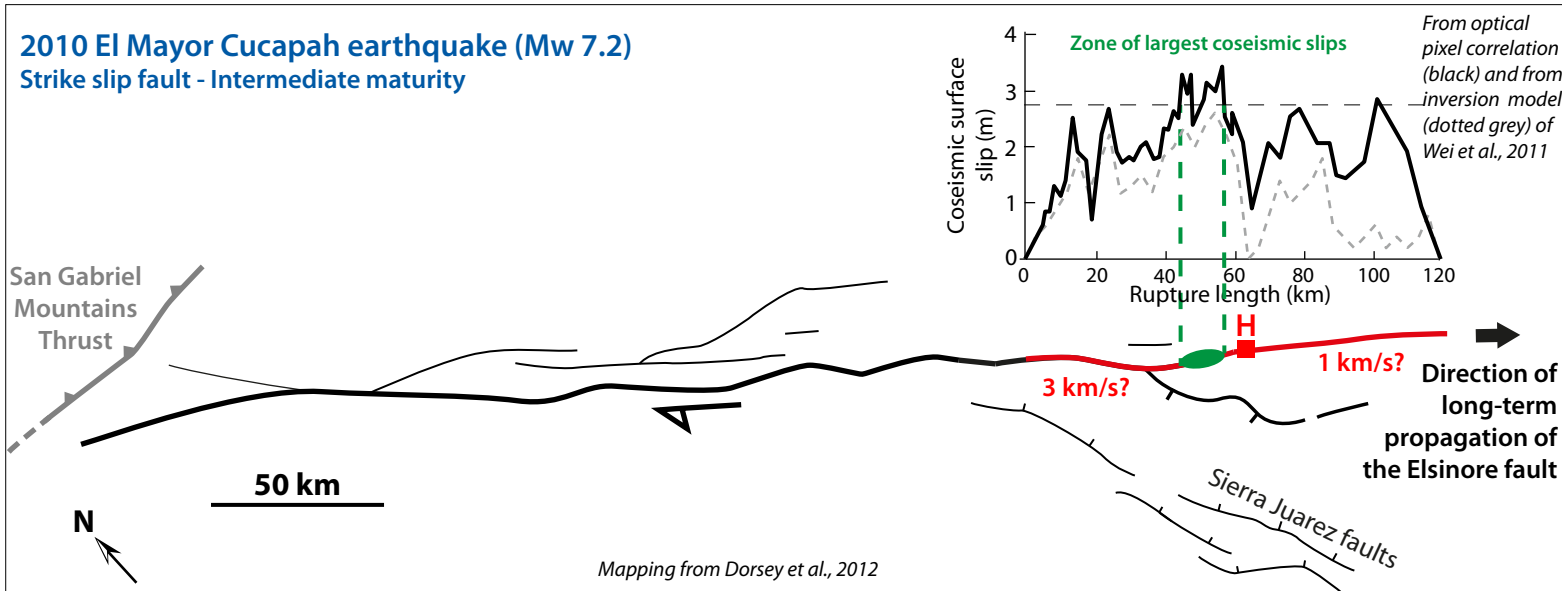


1980 El Asnam earthquake (Mw 7.1)
Reverse (and strike slip) fault - Immature

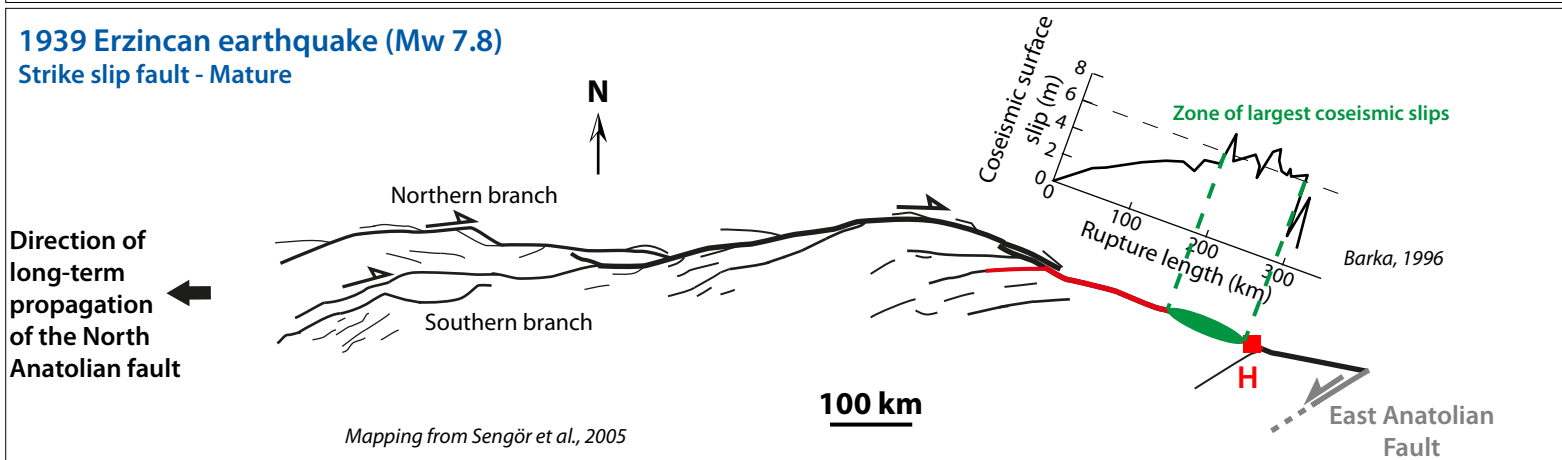


Supplementary Figure S1; Perrin et al. (following)

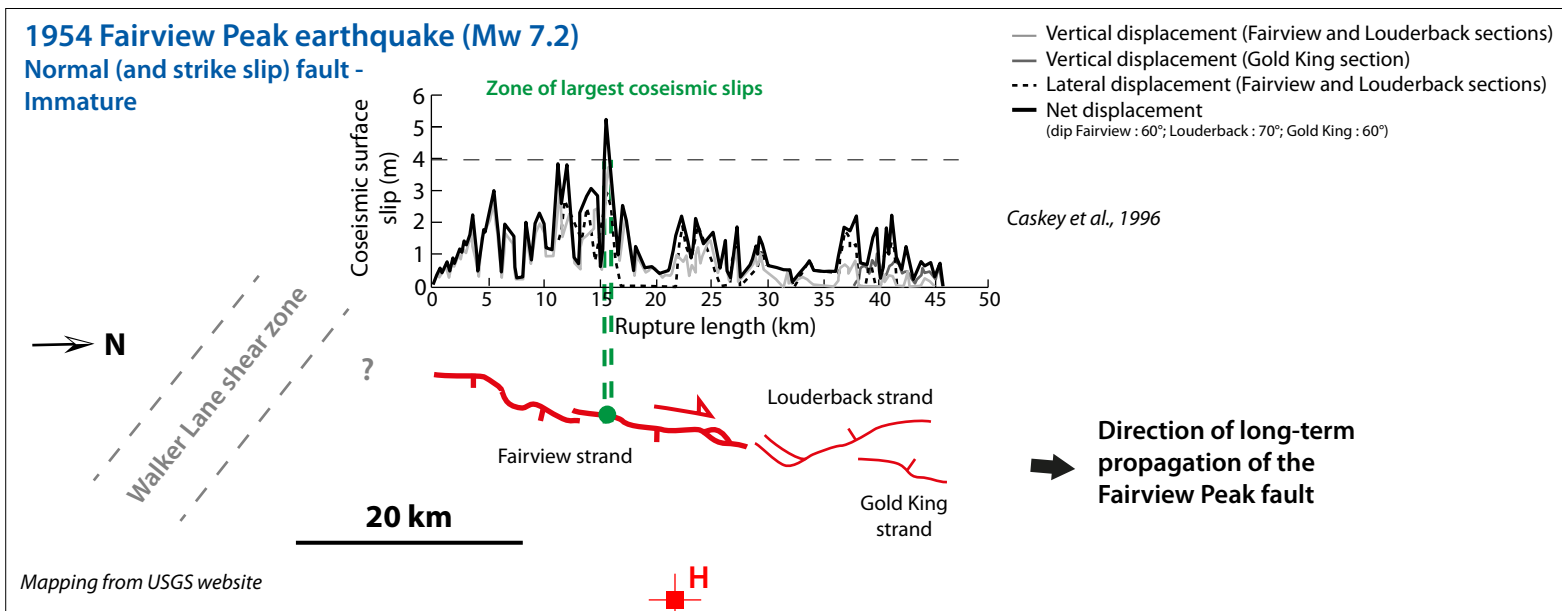
2010 El Mayor Cucapah earthquake (Mw 7.2) Strike slip fault - Intermediate maturity



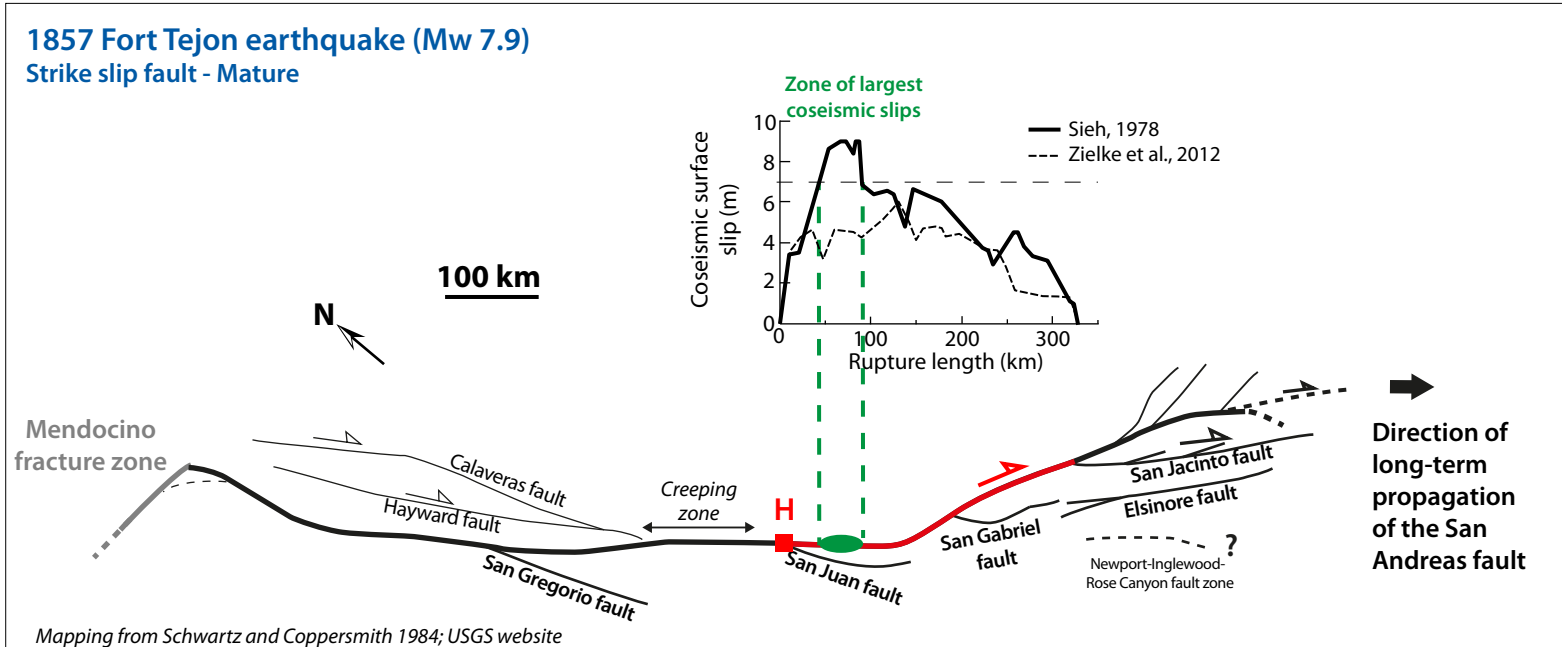
1939 Erzincan earthquake (Mw 7.8) Strike slip fault - Mature



1954 Fairview Peak earthquake (Mw 7.2) Normal (and strike slip) fault - Immature

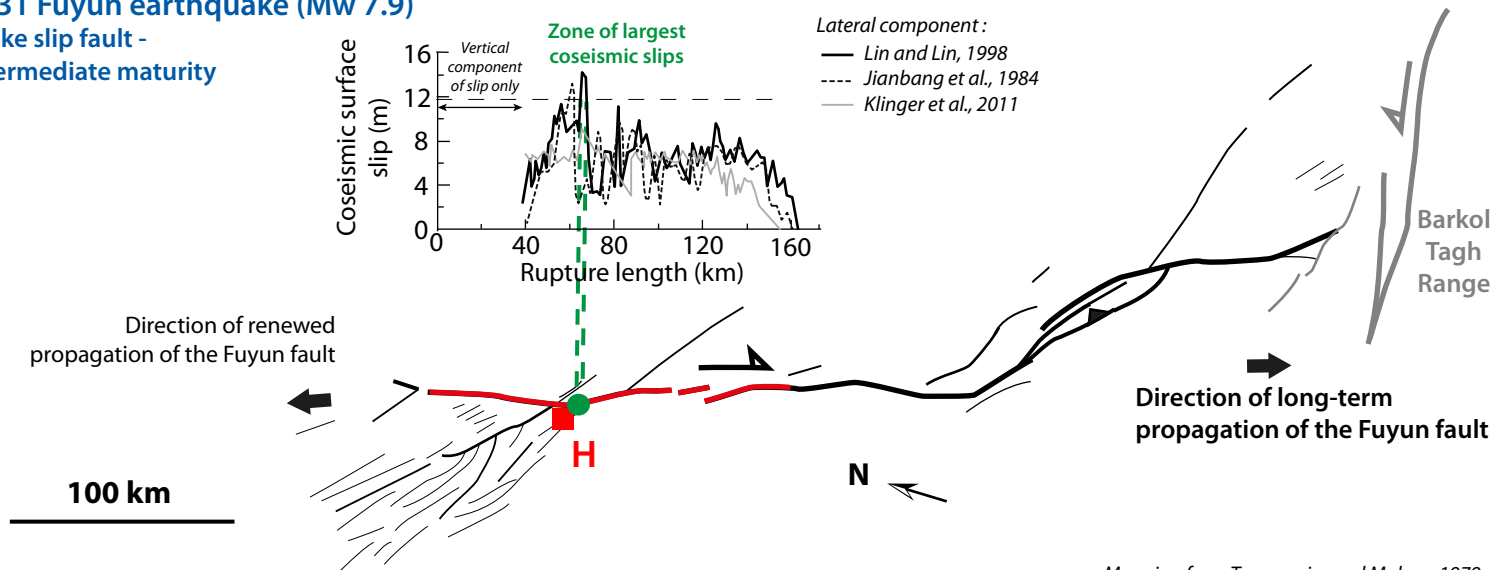


1857 Fort Tejon earthquake (Mw 7.9) Strike slip fault - Mature

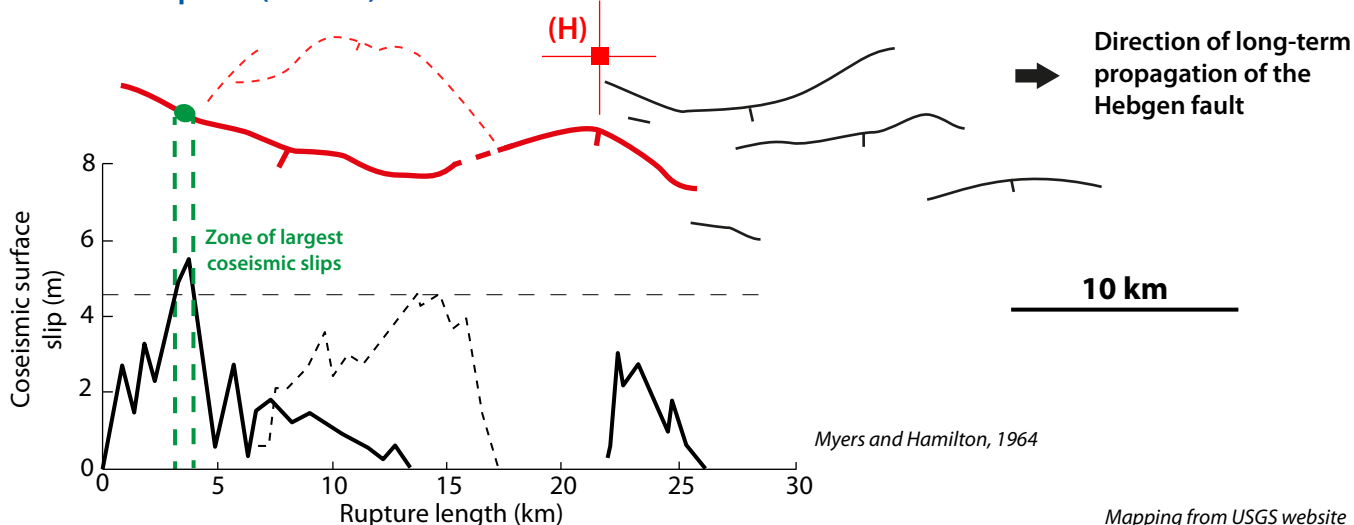


1931 Fuyun earthquake (Mw 7.9)

Strike slip fault - Intermediate maturity

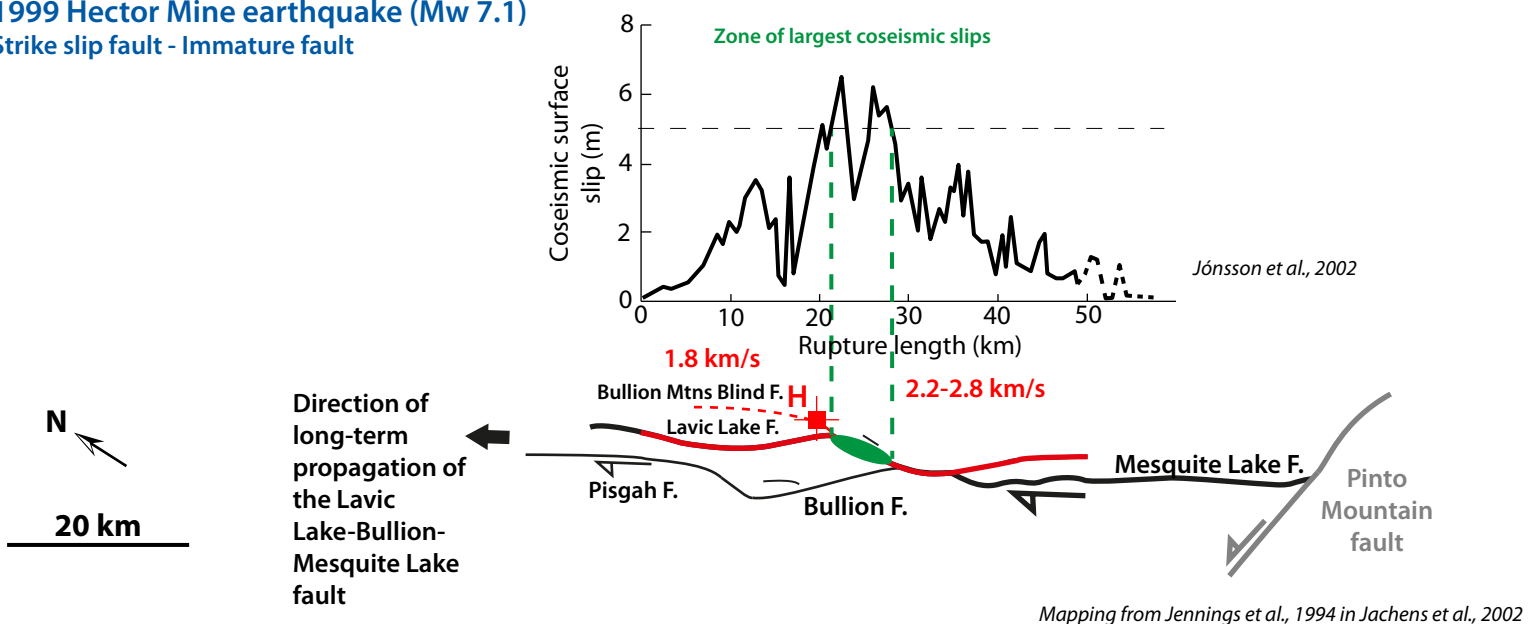


1959 Hebgen Lake earthquake (Mw 7.5) - Normal fault - Immature



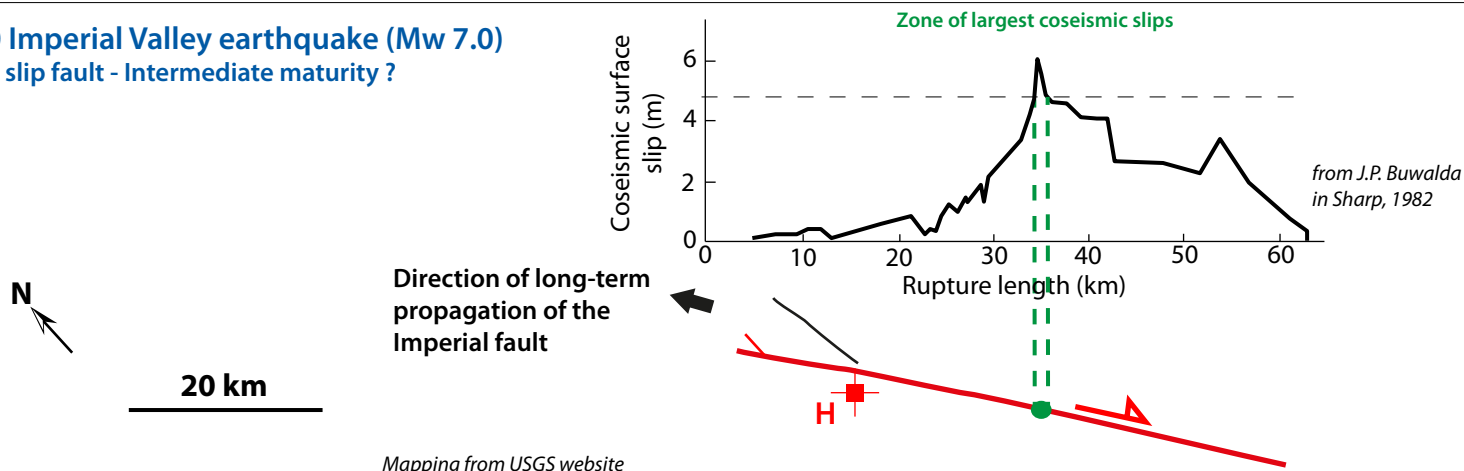
1999 Hector Mine earthquake (Mw 7.1)

Strike slip fault - Immature fault

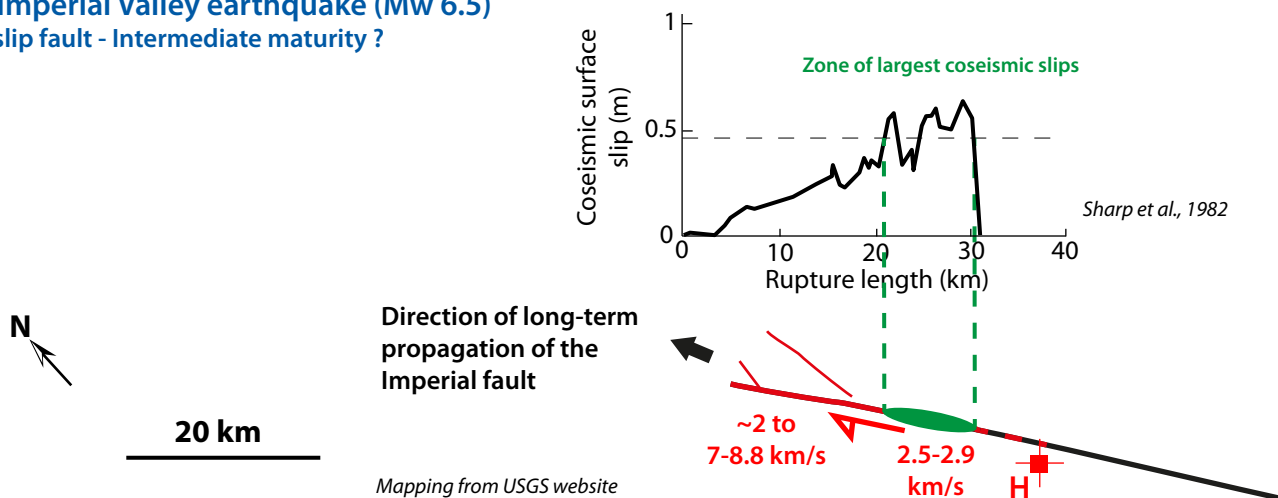


1940 Imperial Valley earthquake (Mw 7.0)

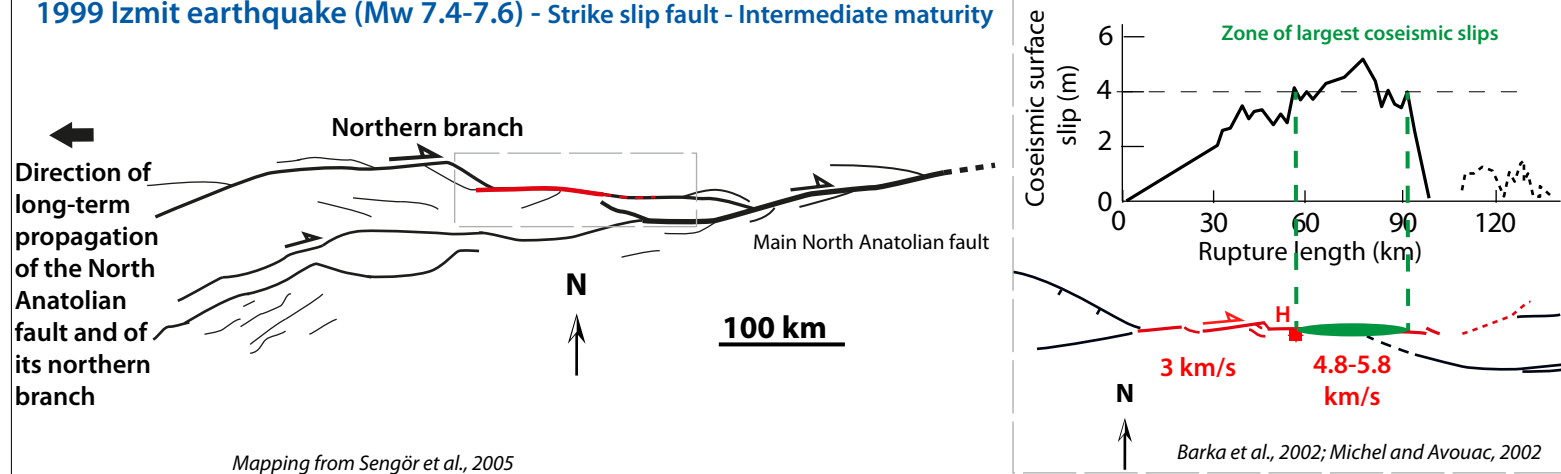
Strike slip fault - Intermediate maturity ?



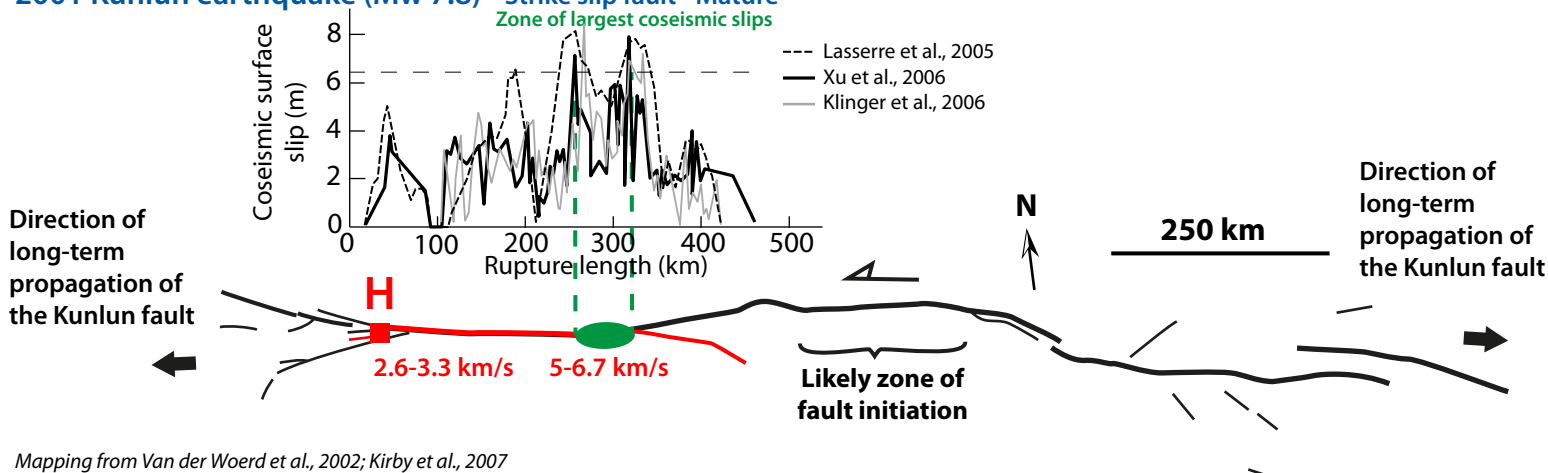
1979 Imperial Valley earthquake (Mw 6.5)
Strike slip fault - Intermediate maturity ?



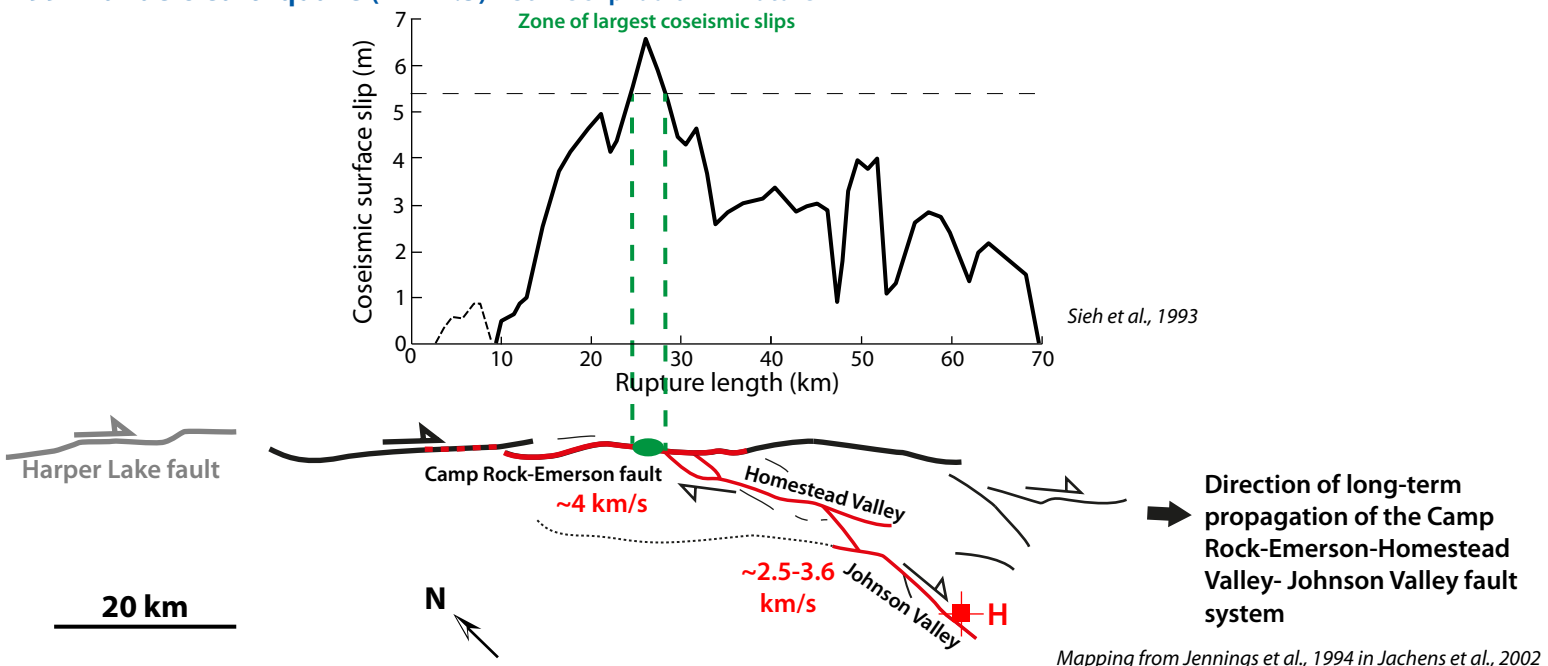
1999 Izmit earthquake (Mw 7.4-7.6) - Strike slip fault - Intermediate maturity



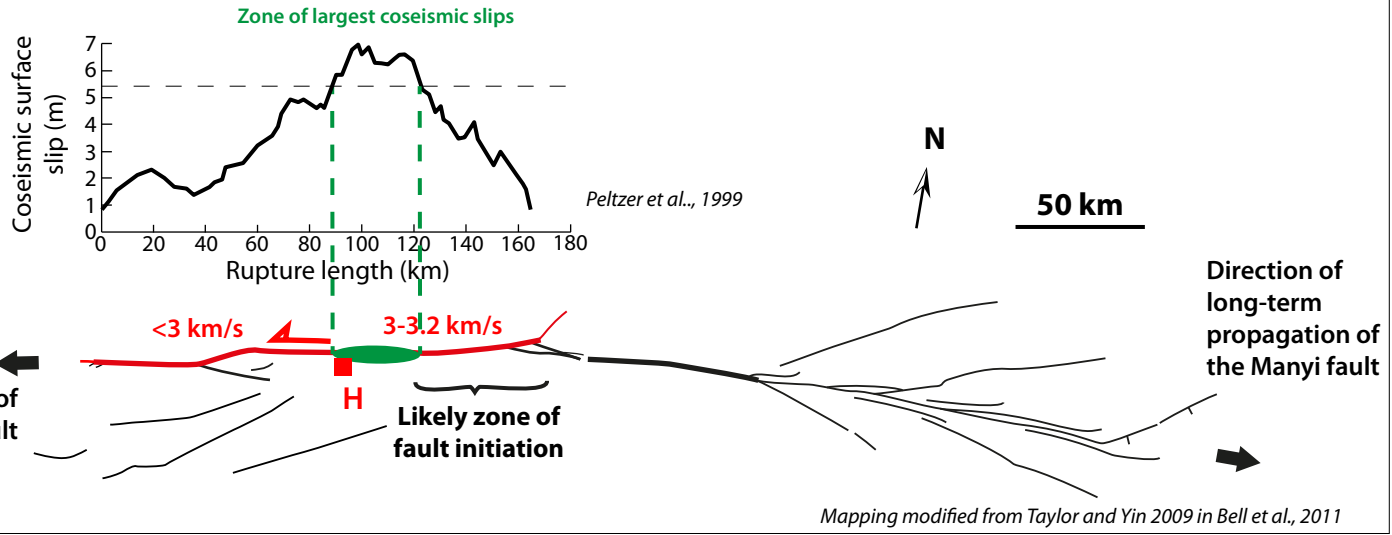
2001 Kunlun earthquake (Mw 7.8) - Strike slip fault - Mature



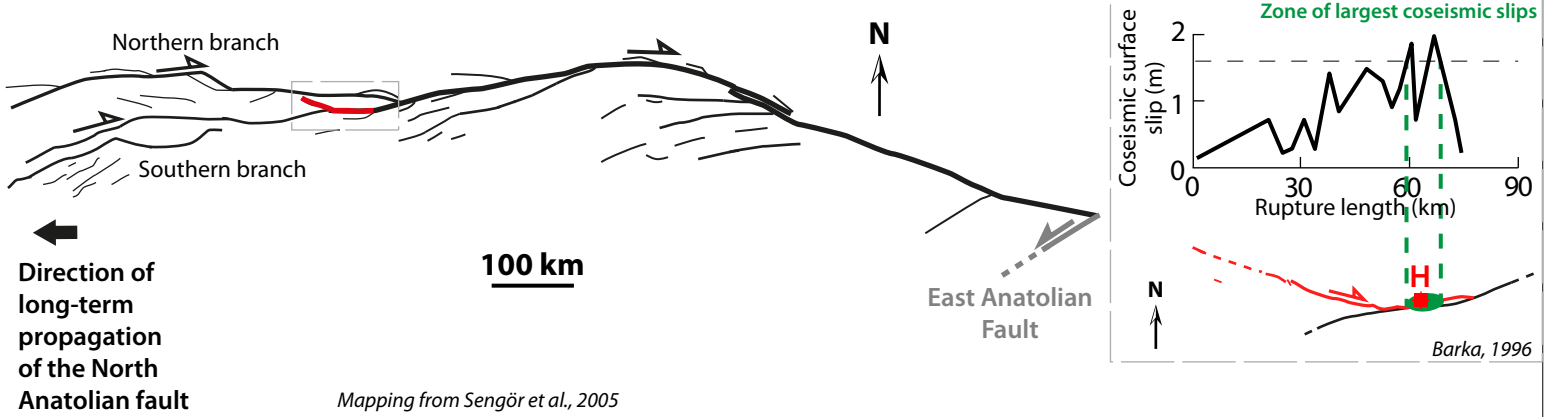
1992 Landers earthquake (Mw 7.3) - Strike slip fault - Immature



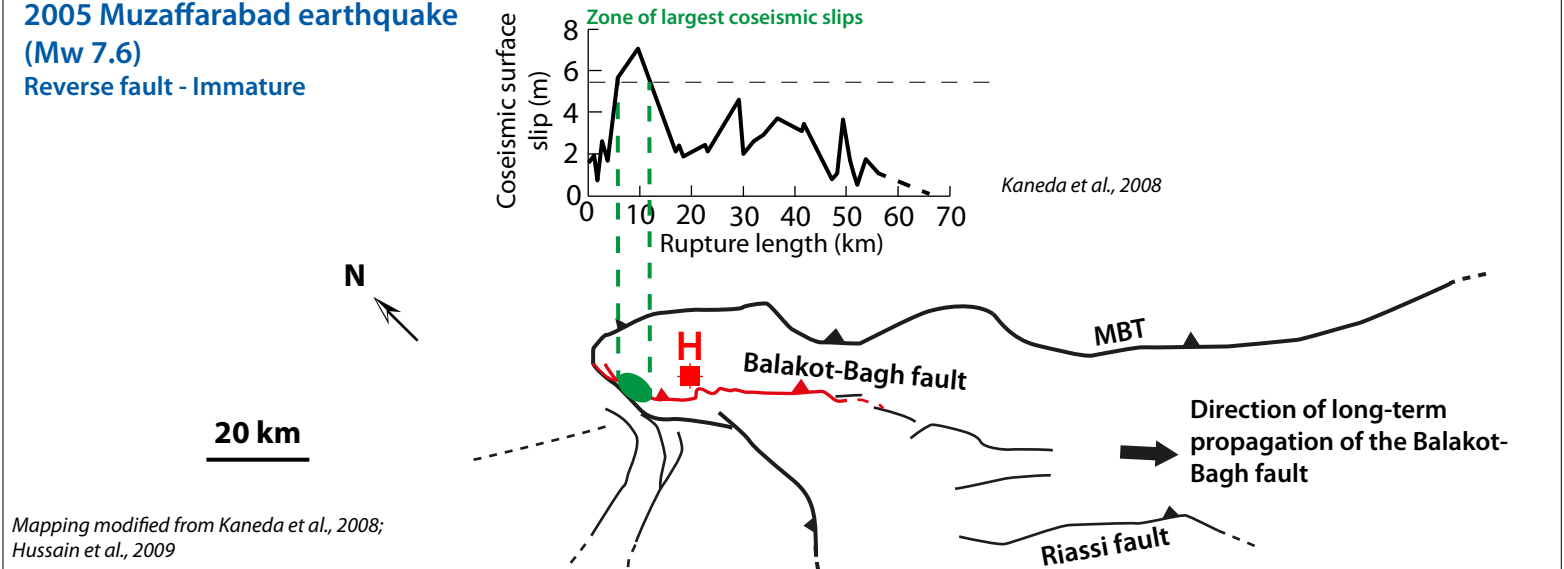
1997 Manyi earthquake (Mw 7.5) - Strike slip fault - Intermediate maturity



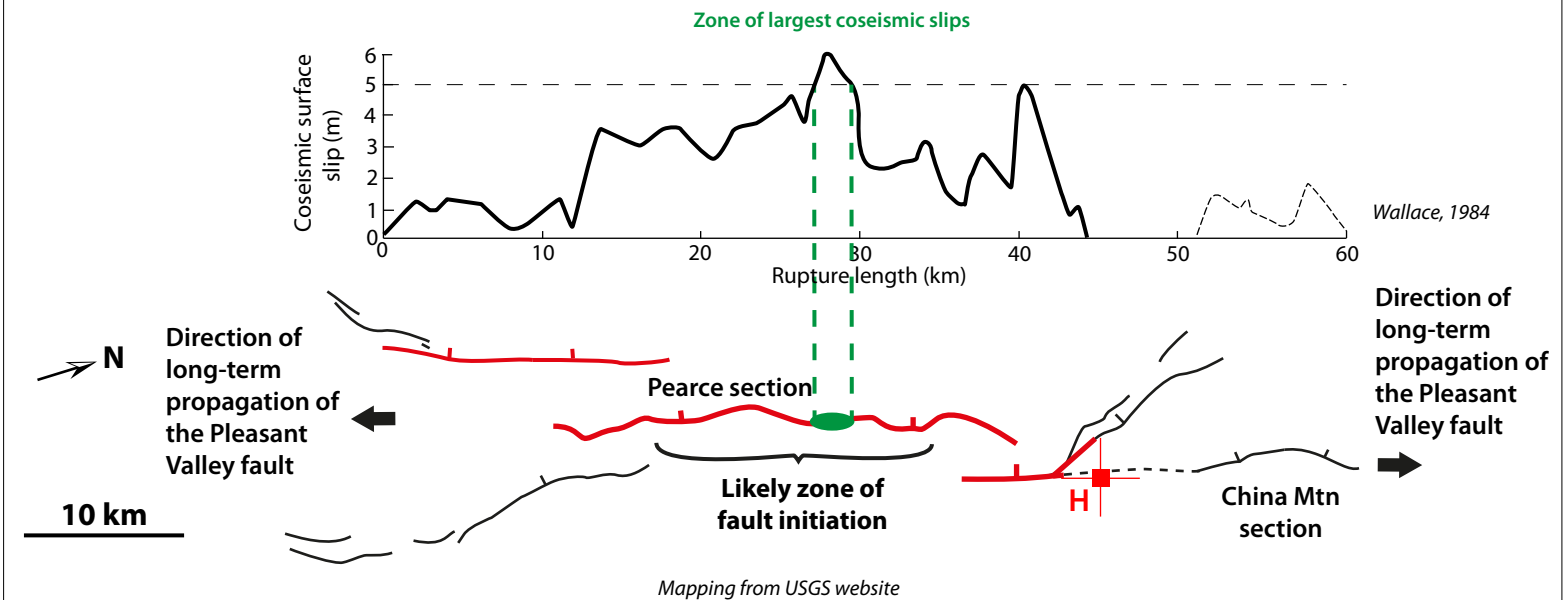
1967 Mudurnu earthquake (Mw 7.0) - Strike slip fault - Mature



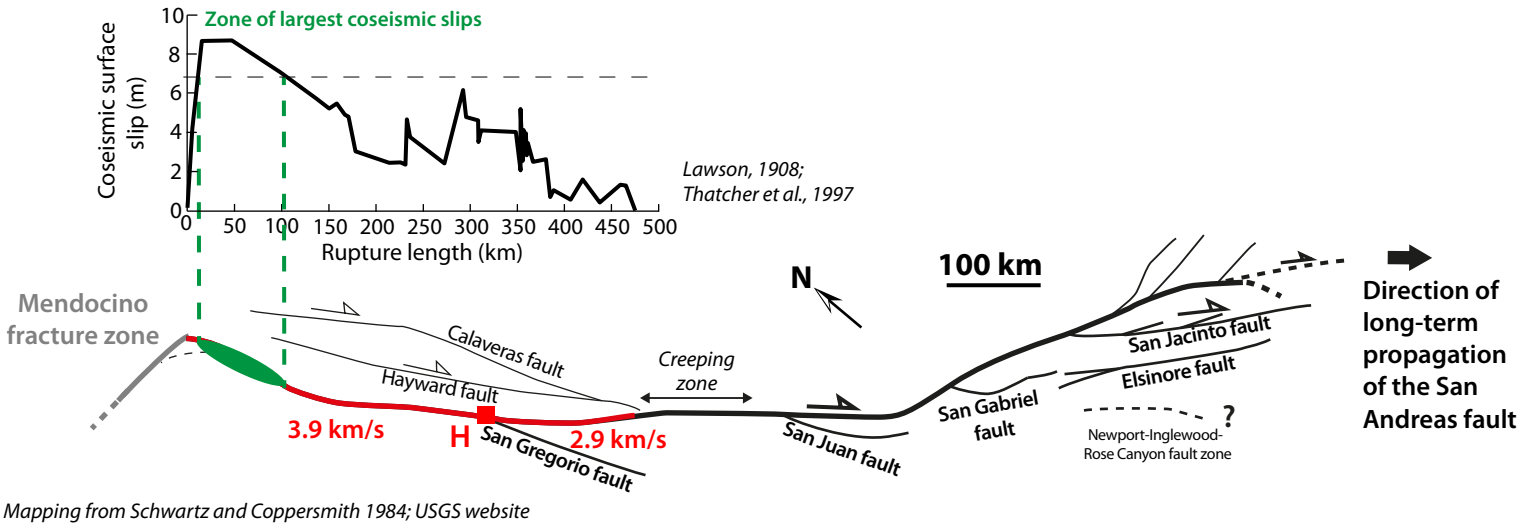
2005 Muzaffarabad earthquake (Mw 7.6) Reverse fault - Immature



1915 Pleasant Valley earthquake (Mw 7.0) Normal fault - Immature

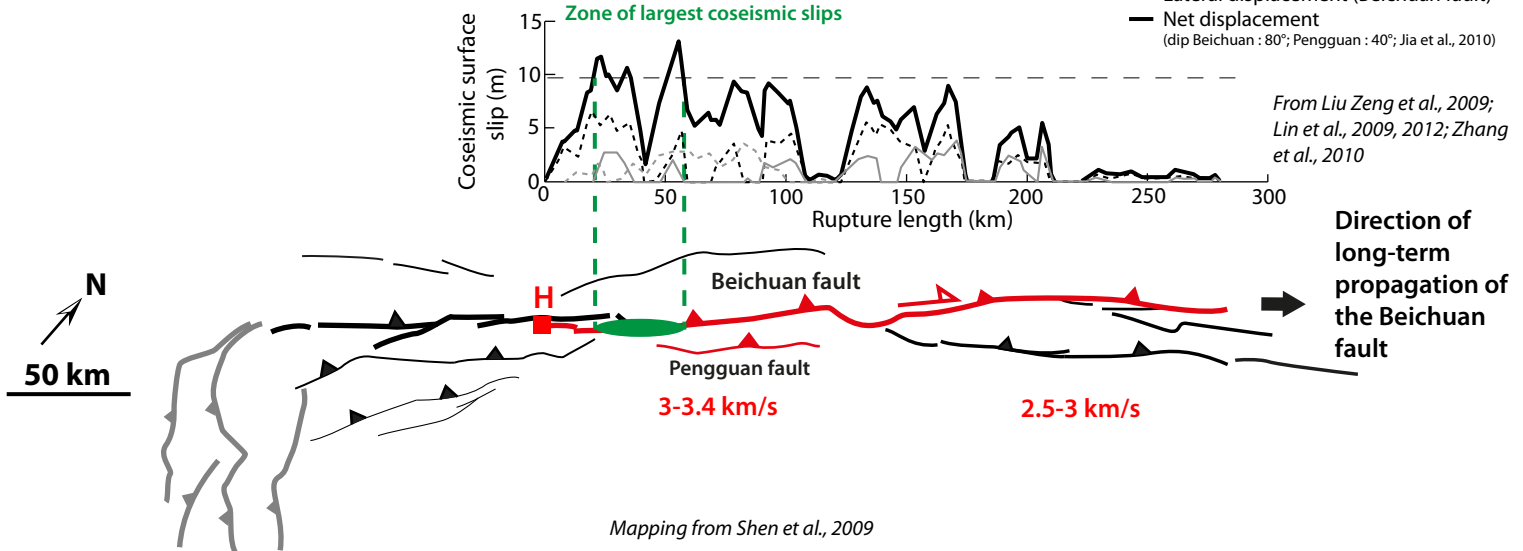


1906 San Francisco earthquake (Mw 7.7) - Strike slip fault - Mature



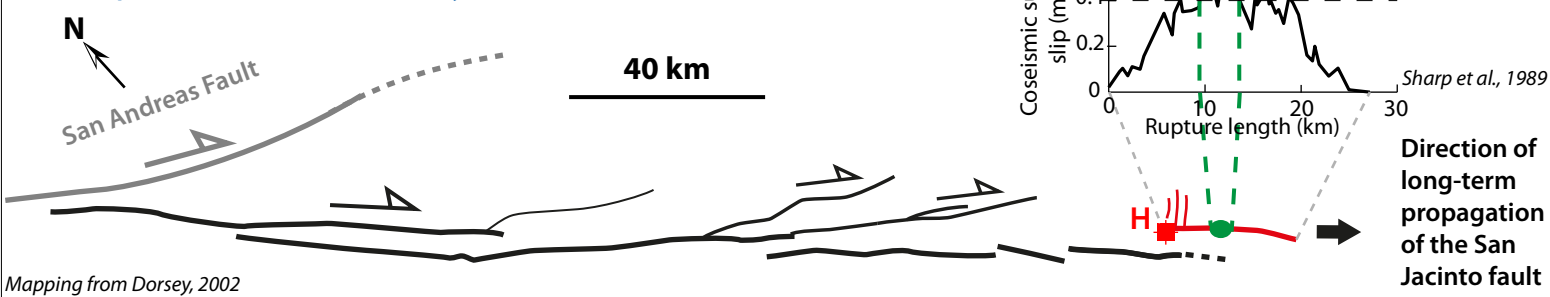
2008 Sichuan earthquake (Mw 7.9)

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

