



Figure 3.  
**A.** Slip velocities (in mm/yr) for Walker Lane faults, from Hearn and Humphreys [1998]. Also, Sierra Nevada velocity.  
**B.** Particle velocities (relative to North America) and model velocity variation, from Hearn and Humphreys [1998].  
**C.** Modeled velocity, based on geologic and geodetic data and global plate model NUVEL-1A [DeMets et al, 1994]. Velocities are the result of finite element *kinematic* modeling [as discussed in Hearn and Humphreys, 1998], which matches existing velocity data and interpolates in a self-consistent manner. From Hemphill-Haley and Humphreys.  
**D.** Strain field resulting from the velocity field shown in C.