OSL, and Cosmogenic Depth Profile and Burial Isochron Dating of the Plio-Pleistocene Saugus Formation and Deformed Terraces: Ventura Basin

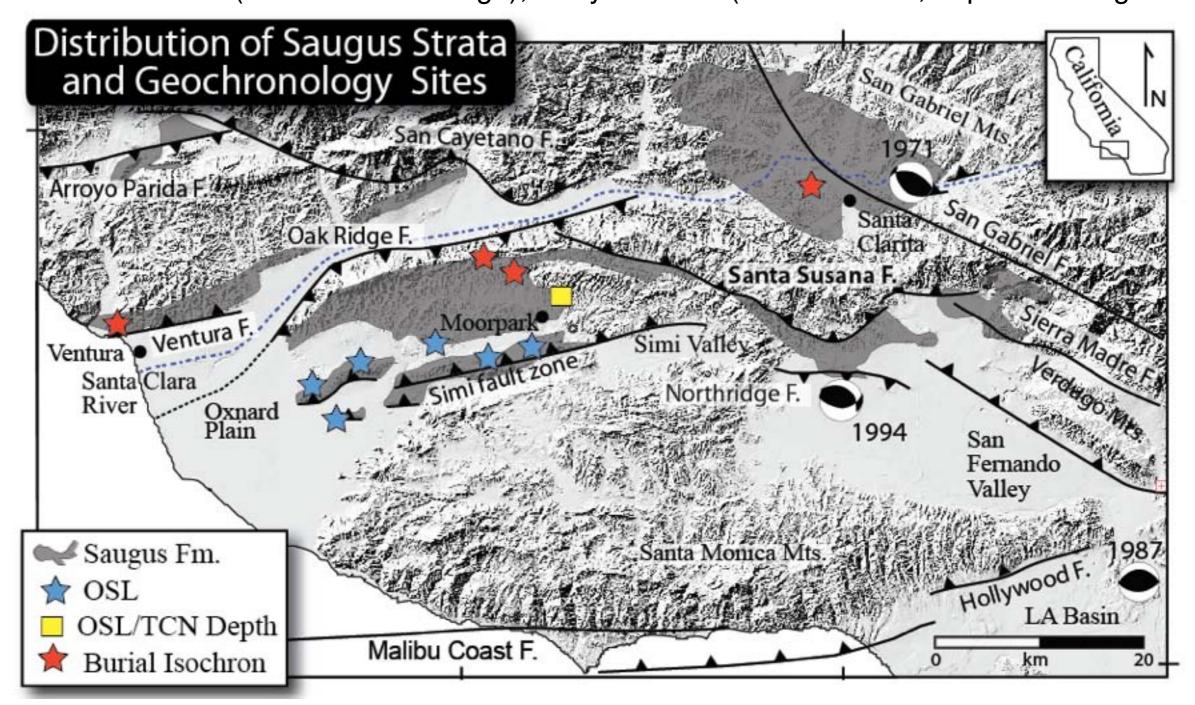
Duane E. DeVecchio, Arizona State University

Geochronology Collaborations:

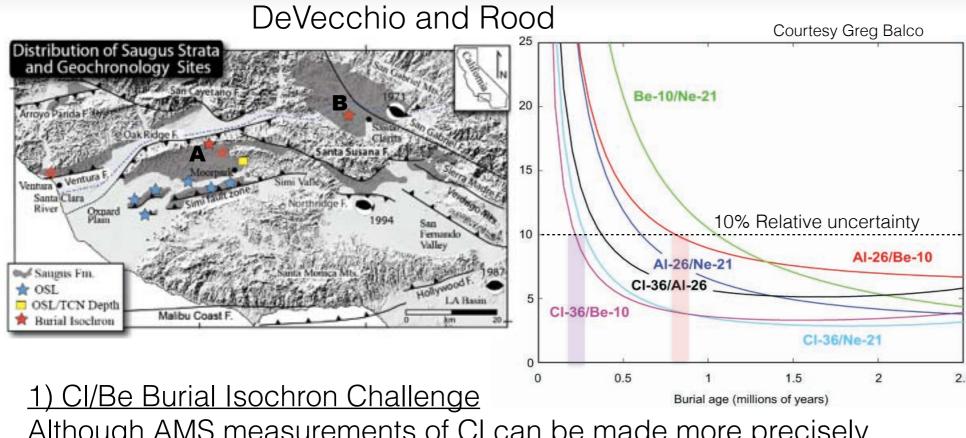
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Al/Be and Cl/Be Burial Isochron Geochronology of Saugus Strata



Although AMS measurements of CI can be made more precisely than AI, complexity of feldspar chemistry results in production rate ratios of CI and Be being uncertain

2) Current Direction

Develop a cosmogenic burial nuclide database for Ventura Basin samples. Use well behaved samples with largest range and highest concentrations of CRNs

3) Burial nuclide database for the Ventura Basin

- 4 Saugus sample 2 modern stream samples sites
- -12 Be and 12 Al targets already measured (see A, B and C above)
- 6 Be and 6 Al additional targets prepared but not yet measured
- -15 mineral separates pending for CI target preparation and analysis

