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People | Faculty

 Photo

Susan L. Beck

Professor, Global Seismology and Tectonics

My research involves using broadband seismology to understand mountain belts, earthquakes and faulting. I am interested in the evolution of the North and South American Cordilleras with much of my current research on the south central Andes. I am also working on earthquakes and Earth structure associated with subduction zones and strike-slip plate boundaries.

Research

- [Overview](#)
- [Global Seismology and Tectonics Group at the University of Arizona](#)
- [Sierras Pampeanas Experiment \(SIEMBRA\)](#)
- [North Anatolia Fault, Turkey: One-page pdf summary](#)
- [BANJO/SEDA: Central Andes in Bolivia](#)
- [CHARGE: South Central Andes in Argentina and Chile: One-page pdf summary](#)
- [Historic Earthquakes in South America](#) (pdf file, 1.3 MB)
- [2001 Peru Earthquake \(\$M_w = 8.4\$ \)](#) (pdf file, 1.7 MB)
- [2001 Kunlun Earthquake \(\$M_w = 7.8\$ \)](#) (AGU abstract)
- [2002 Denali \(Alaska\) Earthquake](#) (pdf file, 812 k)

Courses

- [Geos 218, Geological Disasters and Society](#)
- [Geos 432/532, Introduction to Seismology](#)
- [Geos 477/577, Active Tectonics](#)
- [Geos 596F, Intermediate Seismology \(Spring 2008\)](#)

Curriculum Vitae

- [Curriculum Vitae with recent publications list](#)

Related Links

- [Global Seismology and Tectonics Group at the University of Arizona](#)
- [Tucson \(TUC\) Seismic Station Display](#)
- [Arizona Earthquake Information Center \(Northern Arizona University\)](#)

- [National Earthquake Information Center \(NEIC\)](#)
- [Southern California Earthquake Center \(SCEC\)](#)

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