

GEOL 695: Geophysical Geodesy - Day 12 October 1 ,2009

Earthquake!

M5.0 Southern Owens Valley, Southern Inyo Mountain Fault or Centennial Flat Fault
3:01 am at epicenter

- check out links to USGS
- check out links to UNAVCO
 - check GPS site locations
 - how far away are they?
 - what signal might we expect from this earthquake?
- check Borehole strainmeter locations/data

Check out Bacon & Pezzopane, 2008

you can get signed up for these email alerts if you want.

Look at Bill's Matlab Script to estimate what offsets might be like. 3km depth to top, 0.1 km depth to top.

Check out borehole strainmeter locations at unavco.org

InSAR candidate?

Okada functions

vs.

Mogi Source - a spherical change in volume.

Preliminaries

- Reading questions

New Reading

Okada, Y. (1985), Surface deformation due to shear and tensile faults in a half-space, *Bulletin of the Seismological Society of America*, 75, 4, 1135-1154.