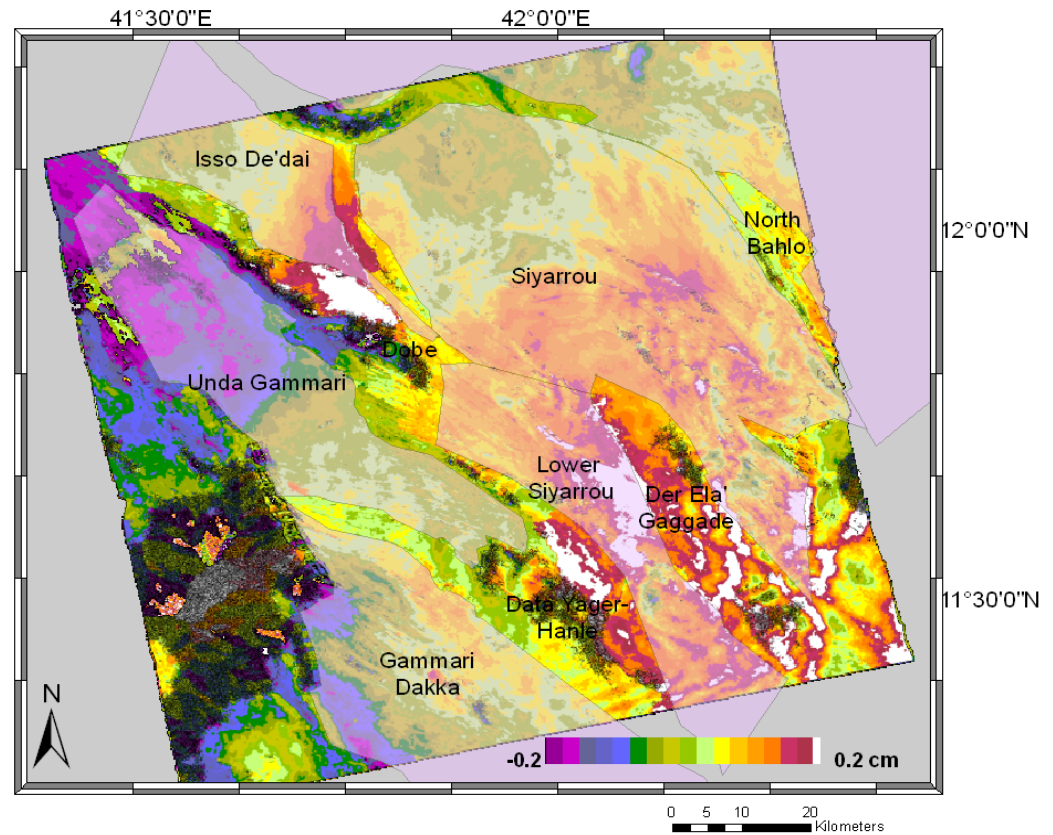
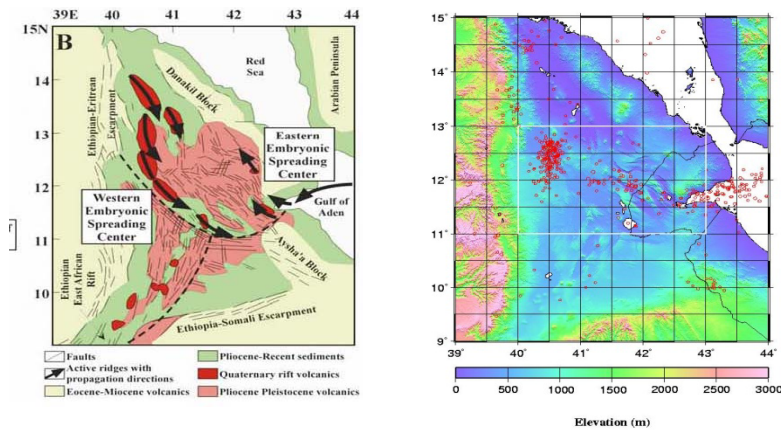


Spatial and temporal variations of crustal deformation in the Afar Depression: Constraints from radar interferometry

PIs: Stephen S. Gao & Mohamed G. Abdelsalam

Missouri University of Science and Technology, Rolla, MO 65409



Background:

(left): Simplified geologic map of the Afar Depression. Arrows show the location and propagating direction of the eastern and western embryonic spreading centers

(right): topographic map of the area shown in the left diagram. Red circles are earthquakes occurred since 1963 archived at the Advanced National Seismic Systems data center. Area in the white rectangle is the area of the proposed study.

Resulting Phase Displacement Map: 10/12/2007-10/31/2008 ASAR Scenes with horst & grabens of East Central Block