

## InSAR studies in the Central Nevada Seismic Belt

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### Investigations undertaken

1. We have nearly completed our study of the 1994 Double Spring Flat earthquake. This was the largest earthquake to struck Nevada in the last 30 years. Interferograms from both, ascending and descending orbits show the ground deformation related to this earthquake (Fig. 1). Elastic inverse modelling of the interferometric data suggest that the earthquake was a right-normal oblique-slip event. This result is in contrast to the interpretation of seismic data which favor left-normal oblique slip.
2. For the rupture zone of the 1954 earthquake sequence we have ordered and processed some of the required SAR data. The first results confirm the expected, very good interferometric correlation. The entire data set is now on order.

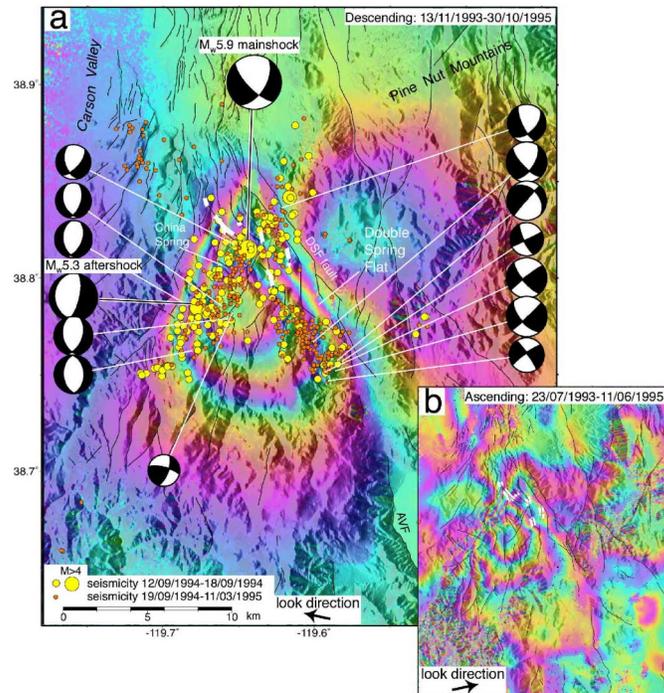


Fig. 1. Interferogram of the M5.9 1994, Double Spring Flat, Nevada Earthquake from (a) descending and (b) ascending satellite orbits.