Figure 1: Lake Mead test site. (a) Water Level elevation (line), TerraSAR-X ScanSAR acquisitions (red dots) and processed stack time span (blue overlay). (b) Coverage of master acquisition (acquired 2009-12-10). Water level data source: [8]. Visualization of (b): Image Landsat © 2014 Google, Google Earth.

Figure 2: Selected differential interferograms. Slave acquisition date and effective baseline: a) 2009-11-29, 51.6 m; b) 2009-07-09, 107.7 m; c) 2010-10-25, -112.2 m; d) 2009-01-25, 40.4 m.

Figure 3: Linear deformation rate estimates: (a) overview; (b) landslide; (c) uplift and subsidence in boulder city. Visualizations of (b)-(c): © 2014 Google, Google Earth.
Figure 4: Residual topography estimates with respect to SRTM. Visualizations of (a)-(b): © 2014 Google, Google Earth.