

APPENDIX G. Checkerboard resolution test

Figure G1. Checkerboard resolution test. (a) Synthetic slip model used in the resolution test. We compute the predicted displacements of this model at the locations of our GPS and InSAR observations. The synthetic SAR data are subsampled in the same fashion as the observed data. (b), (c) and (d) Slip distributions obtained from inversions using (b) only GPS data, (c) only InSAR data and (d) InSAR and GPS data jointly. Red diamonds in (b) represent the GPS stations used in the inversion (not all shown). Dashed red lines in (c) delimit the area covered by the two radar scenes inverted.

Figure G2. Checkerboard resolution test with opposite design to that used in Fig. G1 (a) Synthetic slip model used in the resolution test. (b), (c) and (d) Slip distributions obtained from inversions using (b) only GPS data, (c) only InSAR data and (d) InSAR and GPS data jointly. Annotations are the same as in Fig. G1.