

APPENDIX I. Slip models (text files)

Tables I1 – I6. Six tables that document the slip models shown in Figs 5 and 6. Each table has 11 columns: x, y and z denote longitude, latitude and depth (in km) of the center of each patch. Strike (measured clockwise from North) and dip of each patch are in degrees. h1 and h2 refers to vertical distance (in km) to the top and bottom of each patch, slip is in m, rake in degrees (Aki & Richards convention) , open is the tensile component of fault slip (always 0 in our models) and length is in km.

Table I1. Slip model for the Tocopilla earthquake using coseismic cGPS data.). It corresponds to model shown in Fig. 5a.

Table I2. Slip model for the Tocopilla earthquake using InSAR data.). It corresponds to model shown in Fig. 5b.

Table I3. Slip model for the Tocopilla earthquake using GPS and InSAR data.). It corresponds to model shown in Fig. 5c.

Table I4. Slip model for the largest aftershocks (November 15th, 2007).). It corresponds to model shown in Fig. 6a

Table I5. Slip model for 9-days of post-seismic deformation (November 16th to November 24th, 2007).). It corresponds to model shown in Fig. 6b

Table I6. Slip model for 16-days of post-seismic deformation (November 25th to December 10th, 2007). It corresponds to model shown in Fig. 6c