Figure A1. Fits to the east (left column), north (middle column), and vertical (right column) components of the GPS position time series from 2005.5 through 2008 for the best-fitting model. Red circles are observations and black lines are the predicted time series.

Figure A1. Continued

1

Figure A1. Continued

2
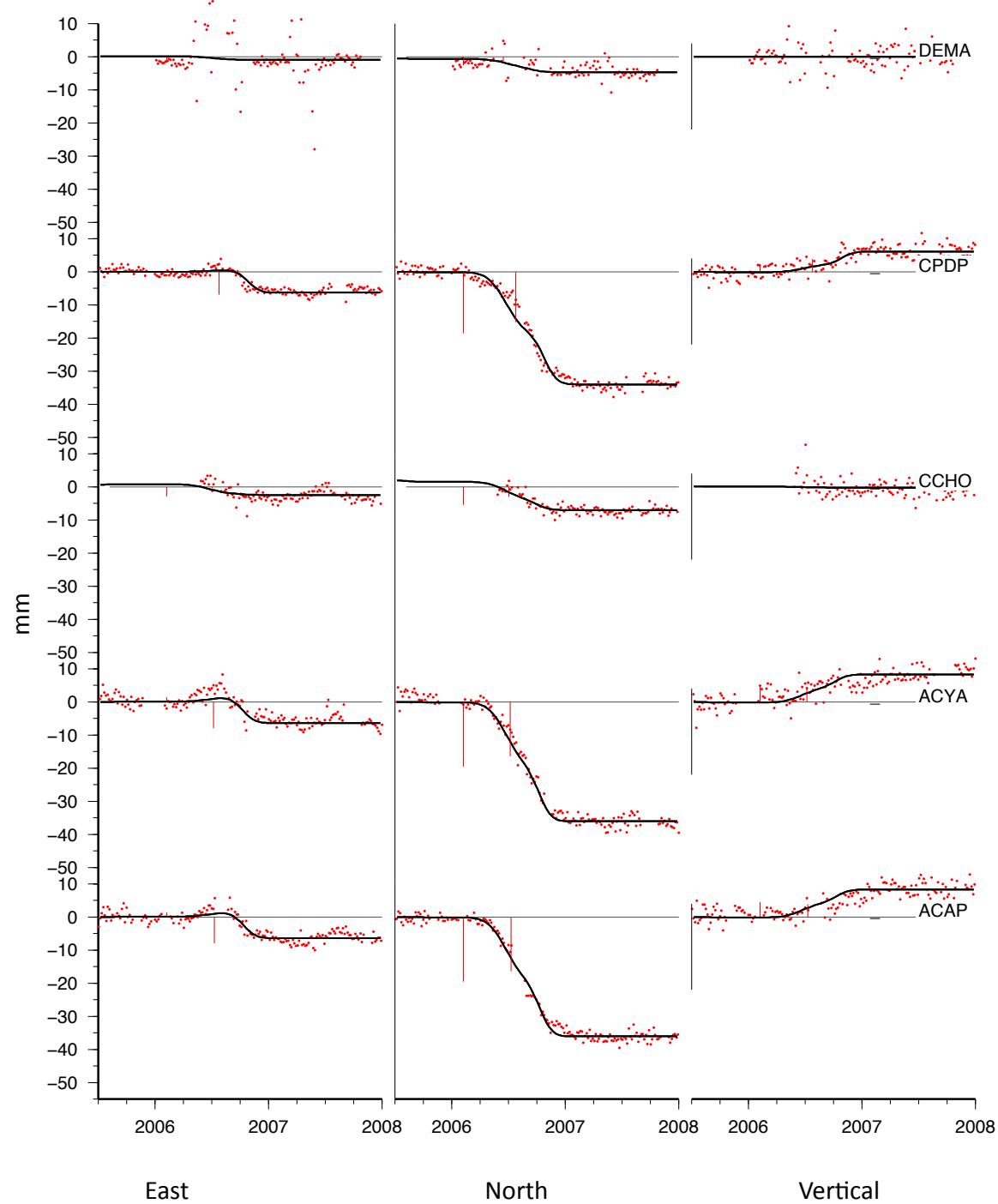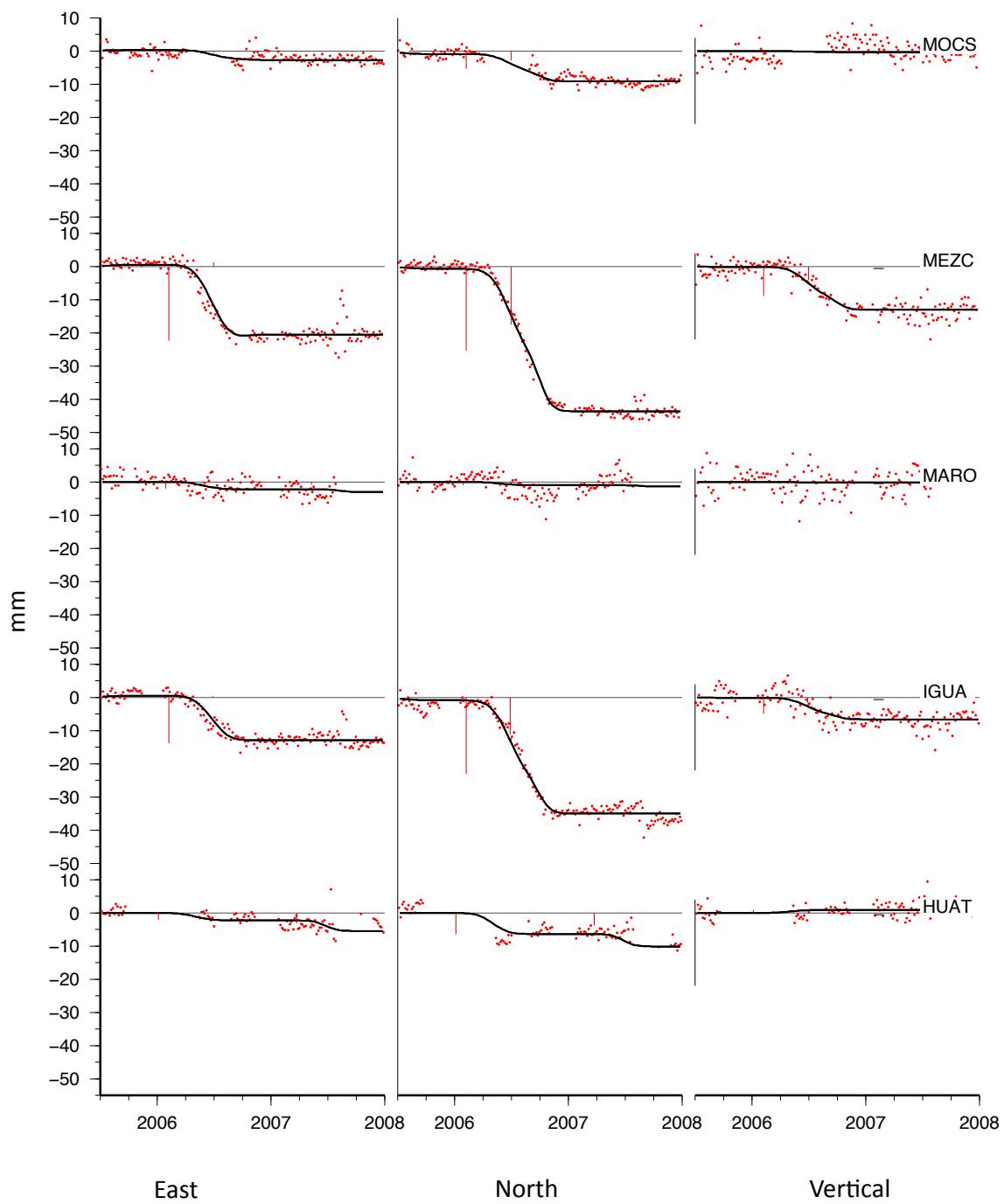
Figure A1. Continued

**Figure A1.** Continued

4

**Figure A1.** Continued

5

Figure A1. Continued

6
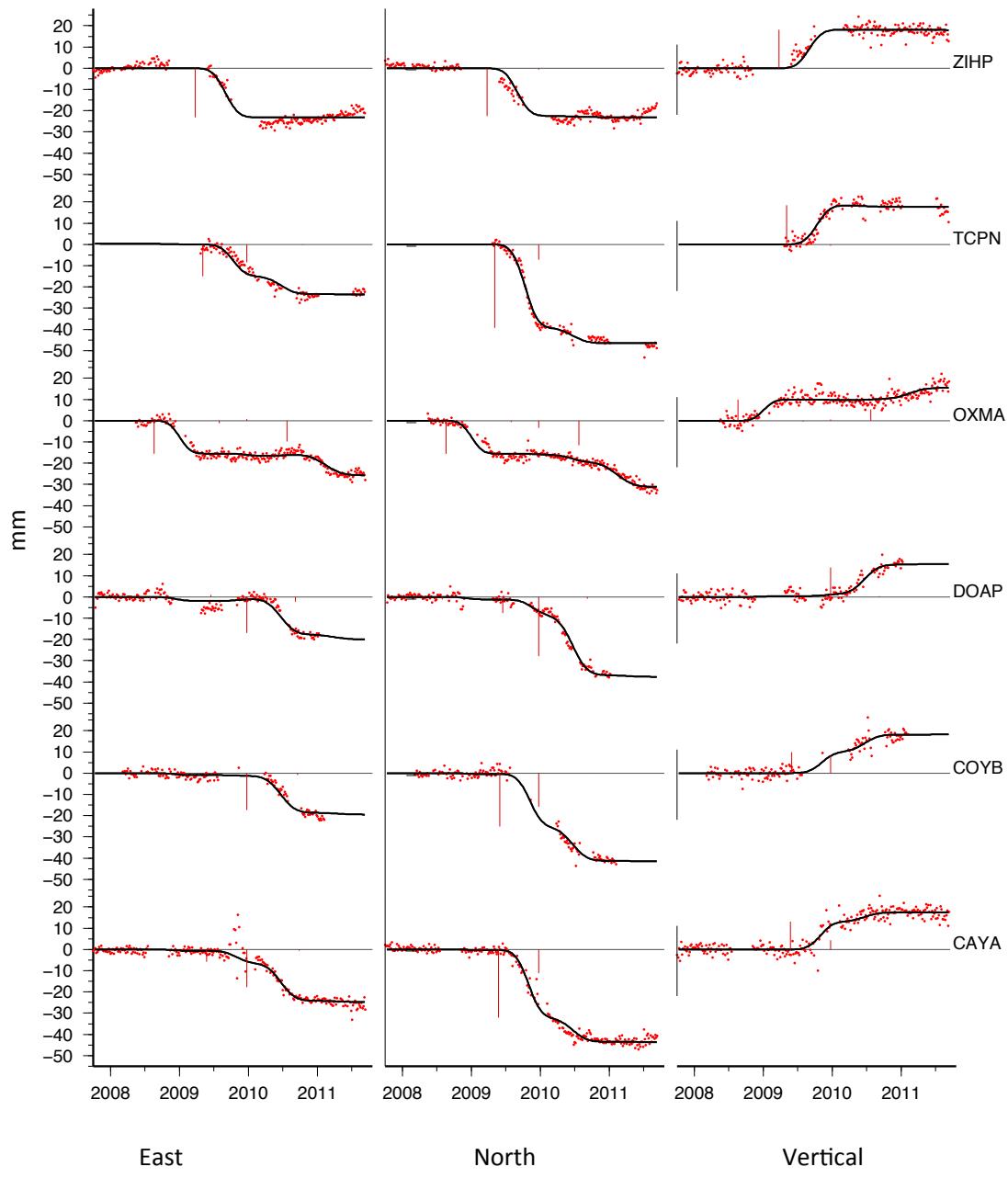
Figure A2. Same as Fig. A1, but for the period 2008.5 to 2011.7
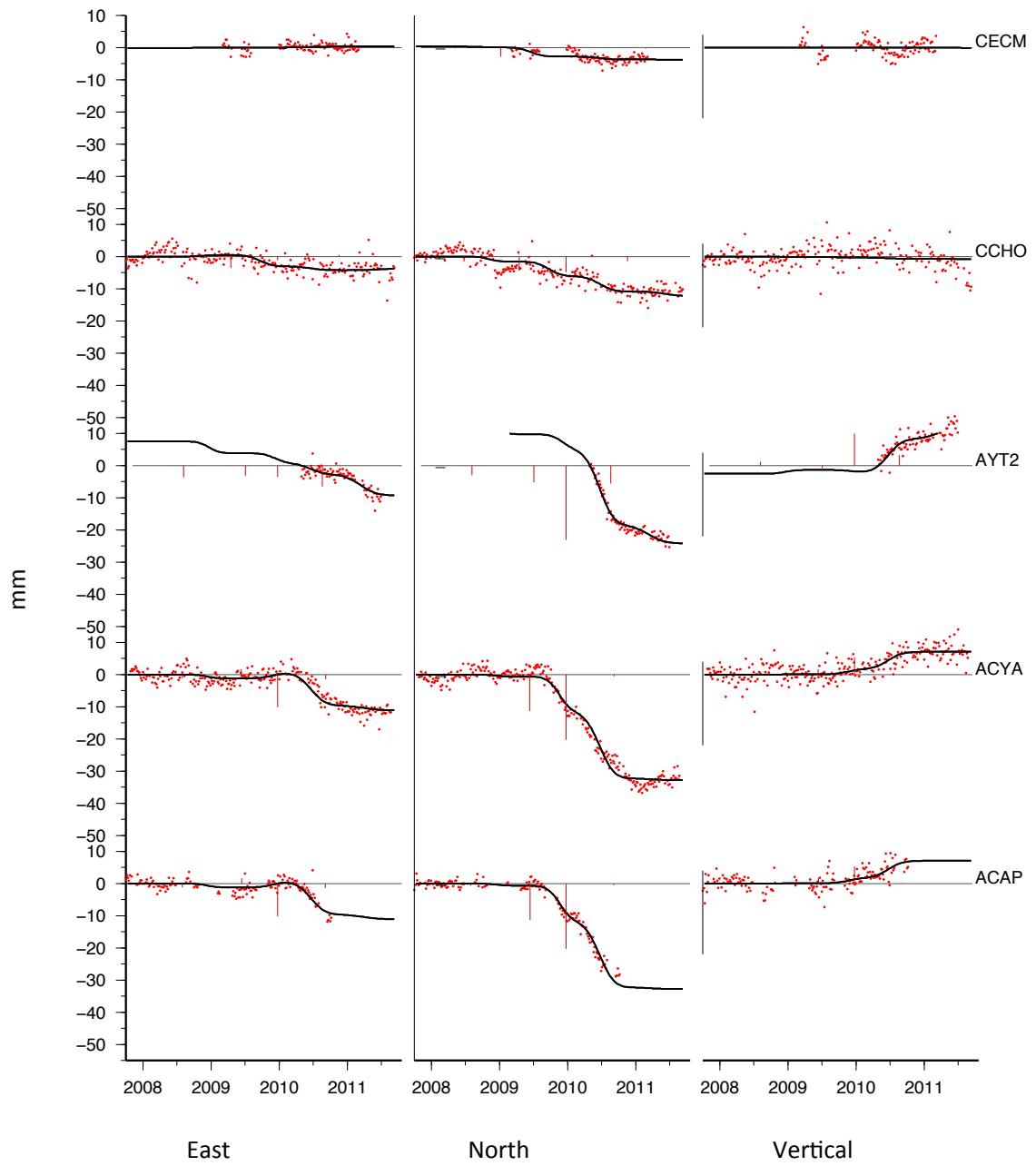
Figure A2. Continued
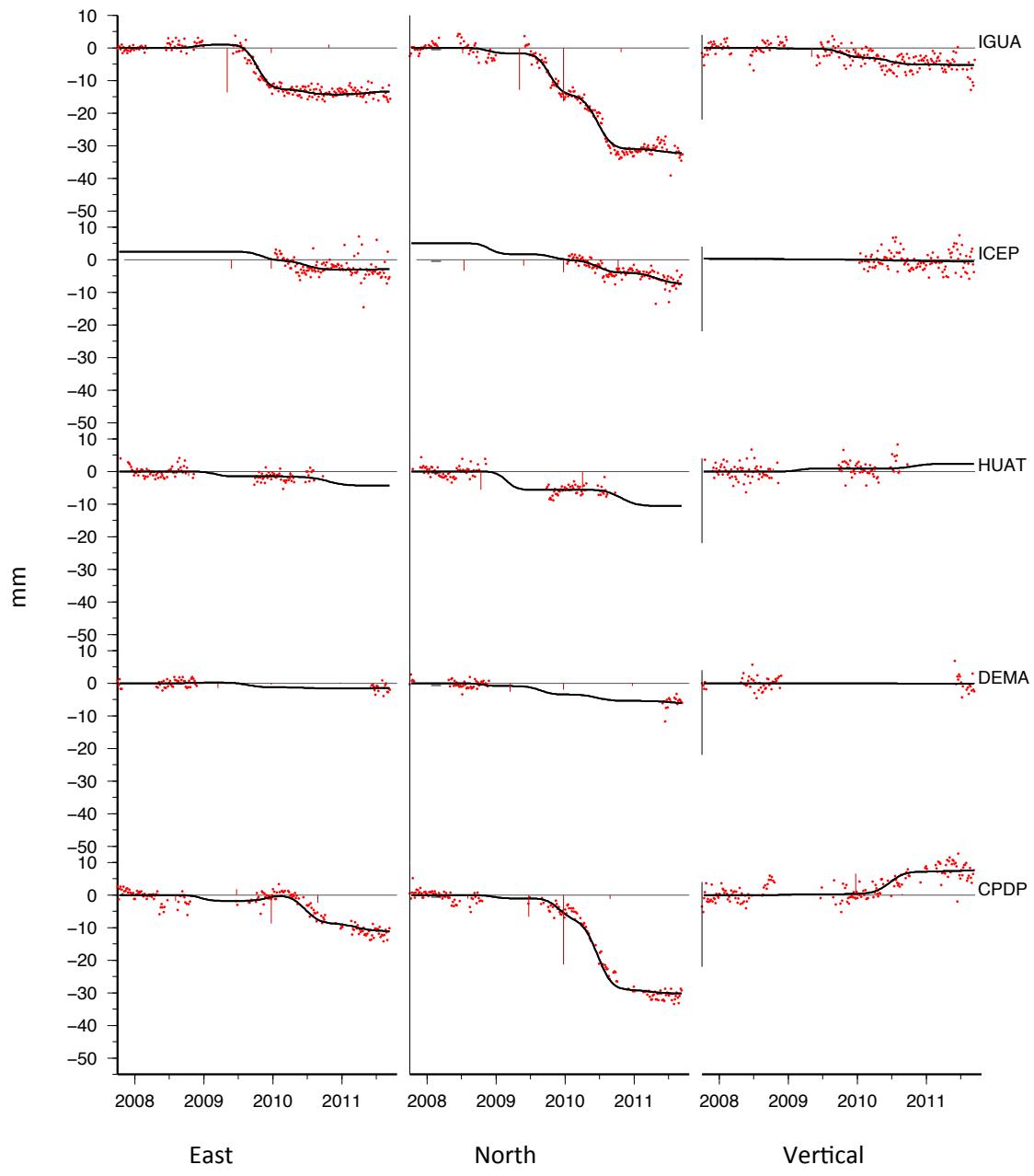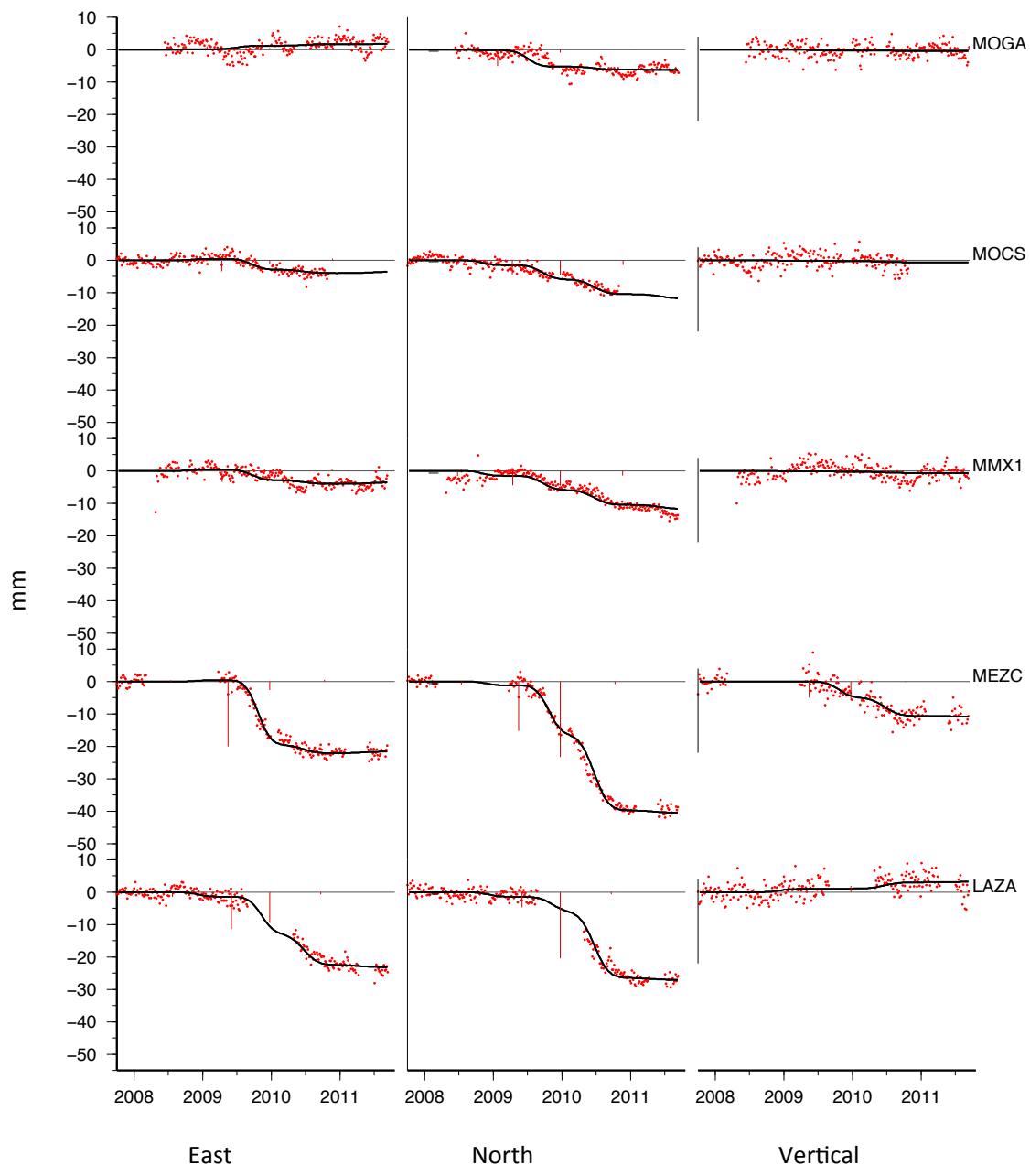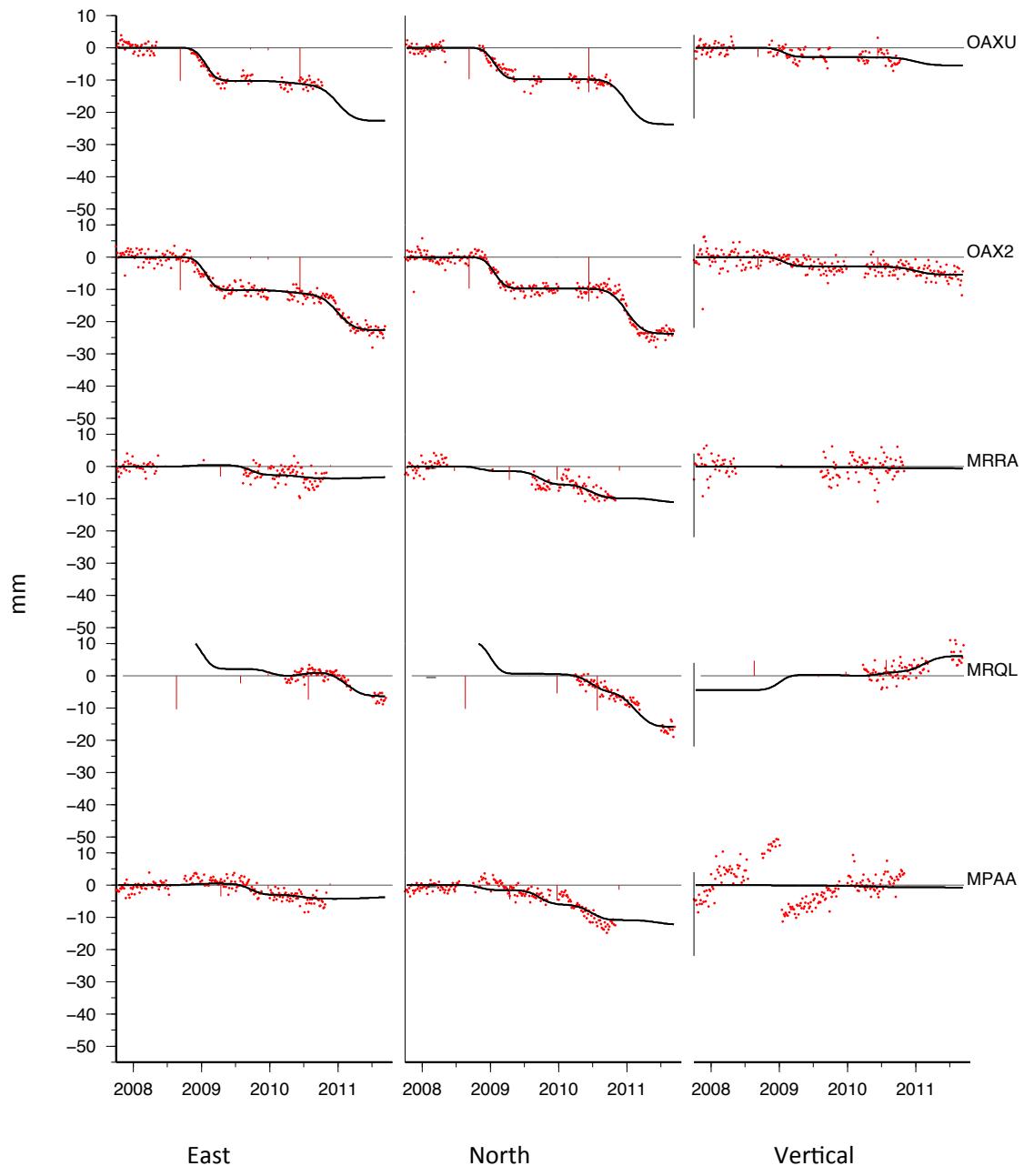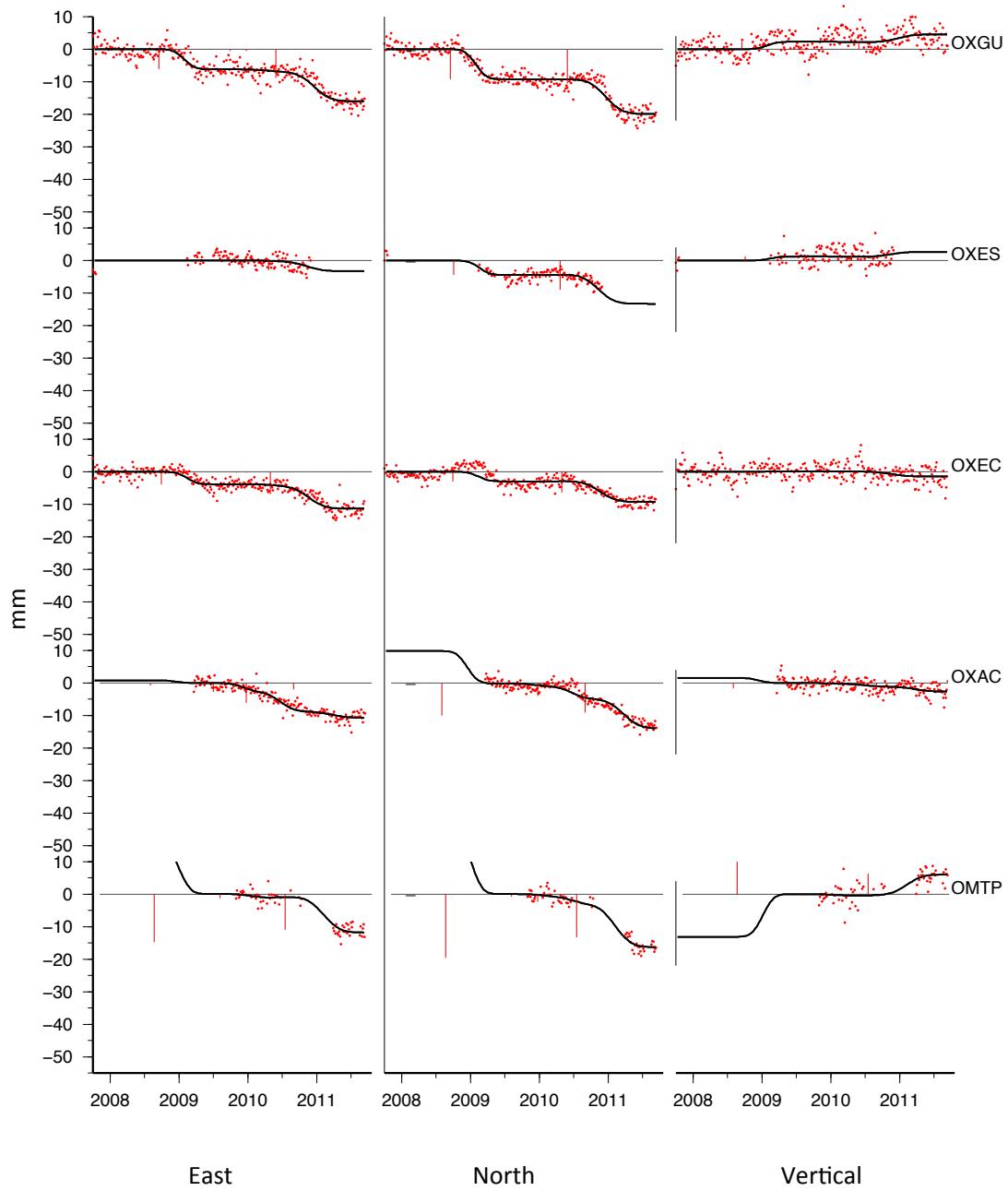
Figure A2. Continued

9

Figure A2. Continued

Figure A2. Continued

11

Figure A2. Continued

Figure A2. Continued

13

Figure A2. Continued

Figure A2. Continued

15

Figure A2. Continued

Figure A2. Continued

17
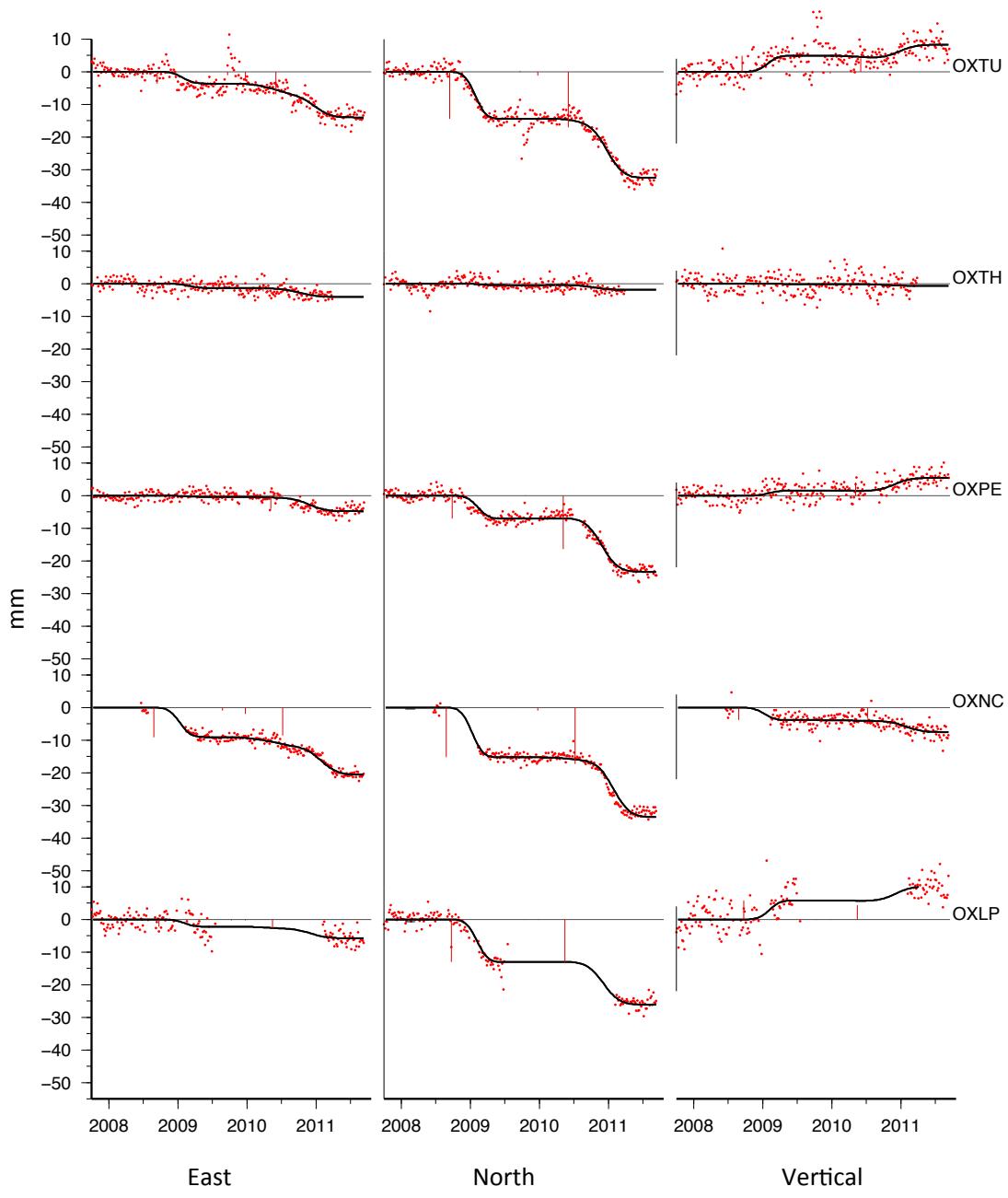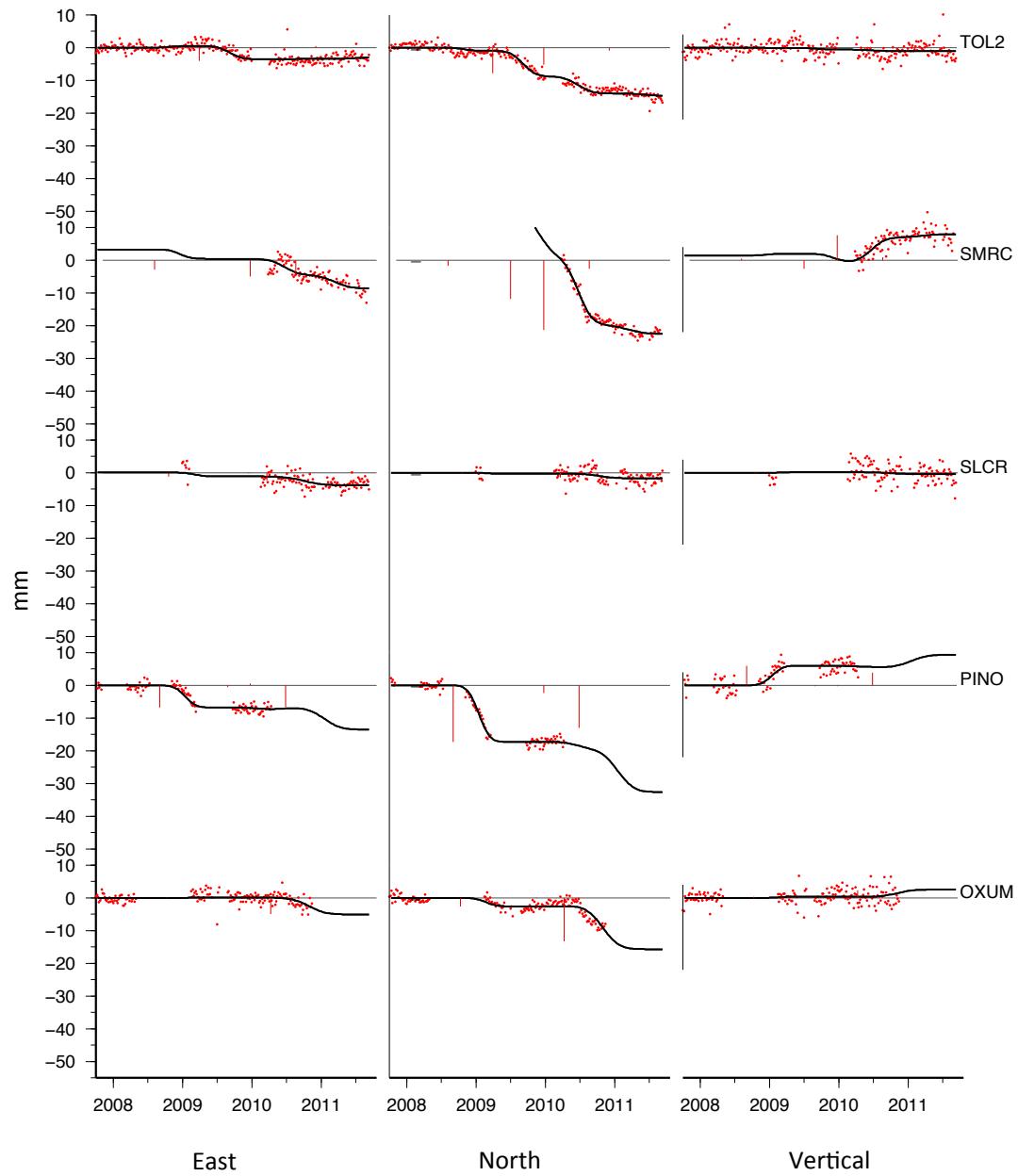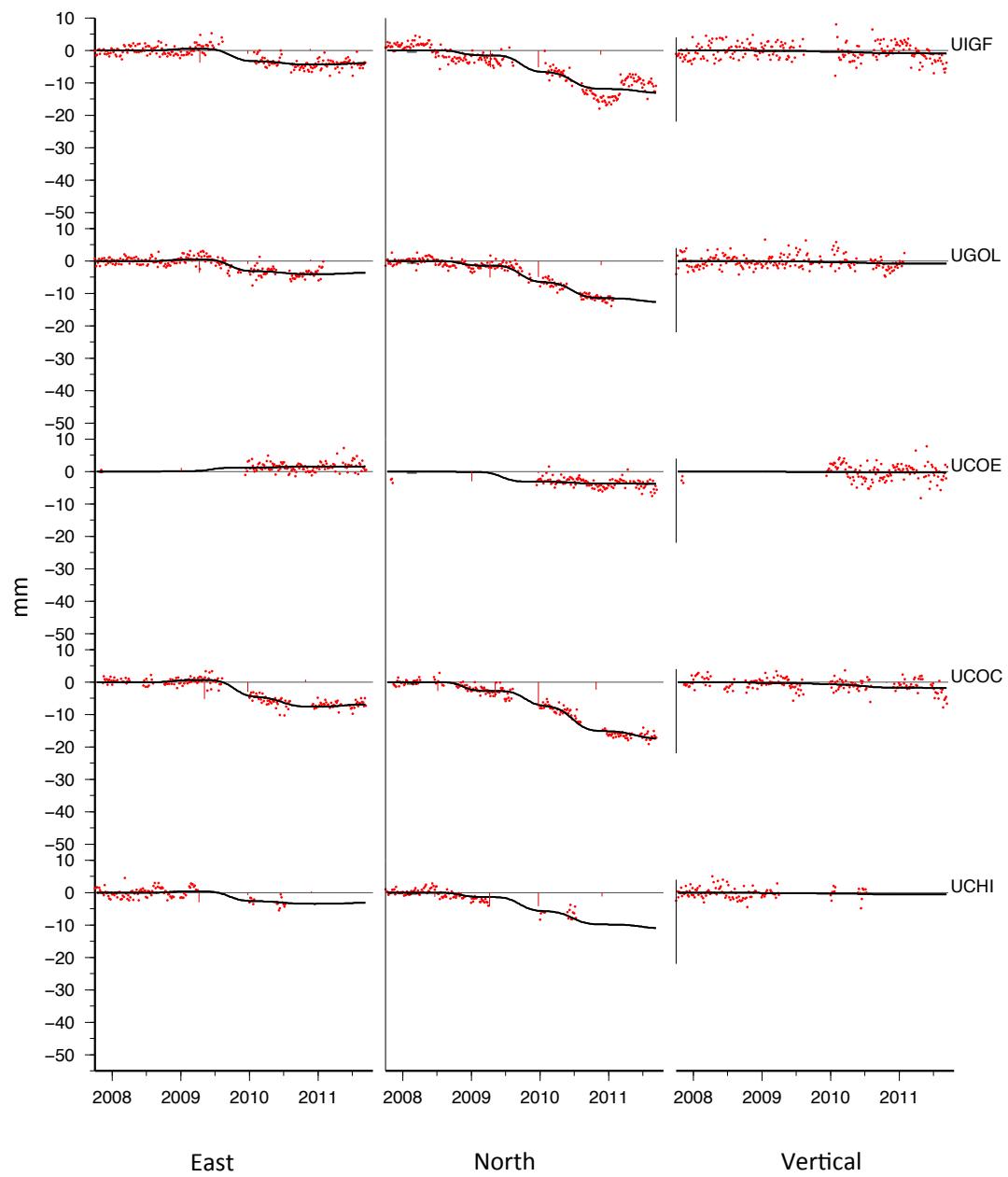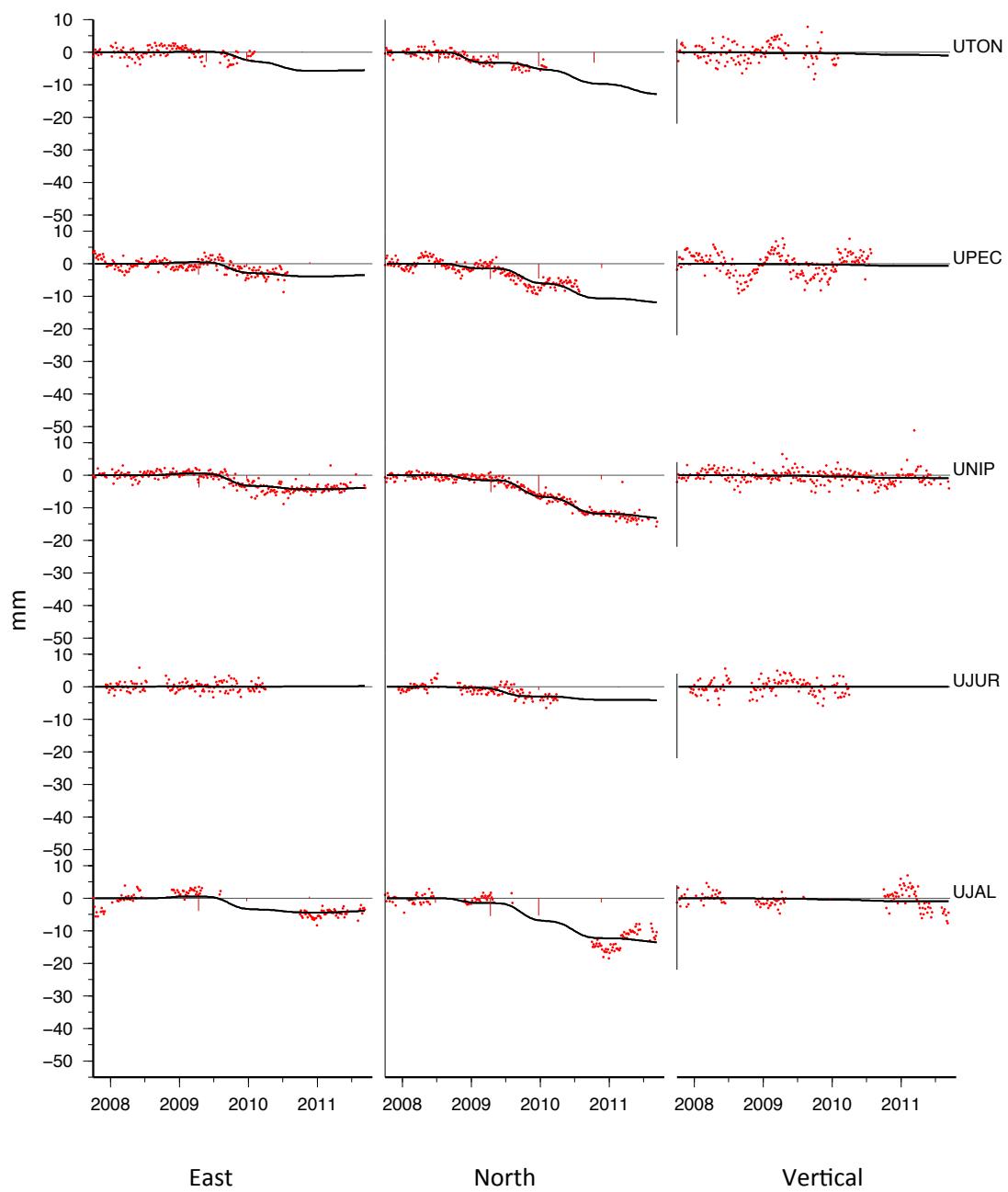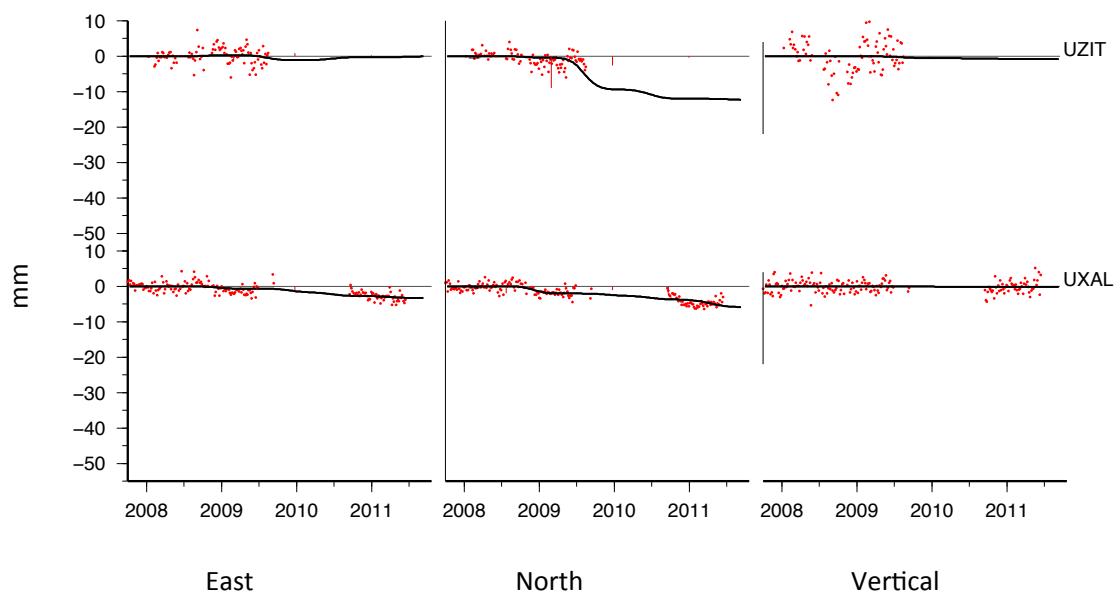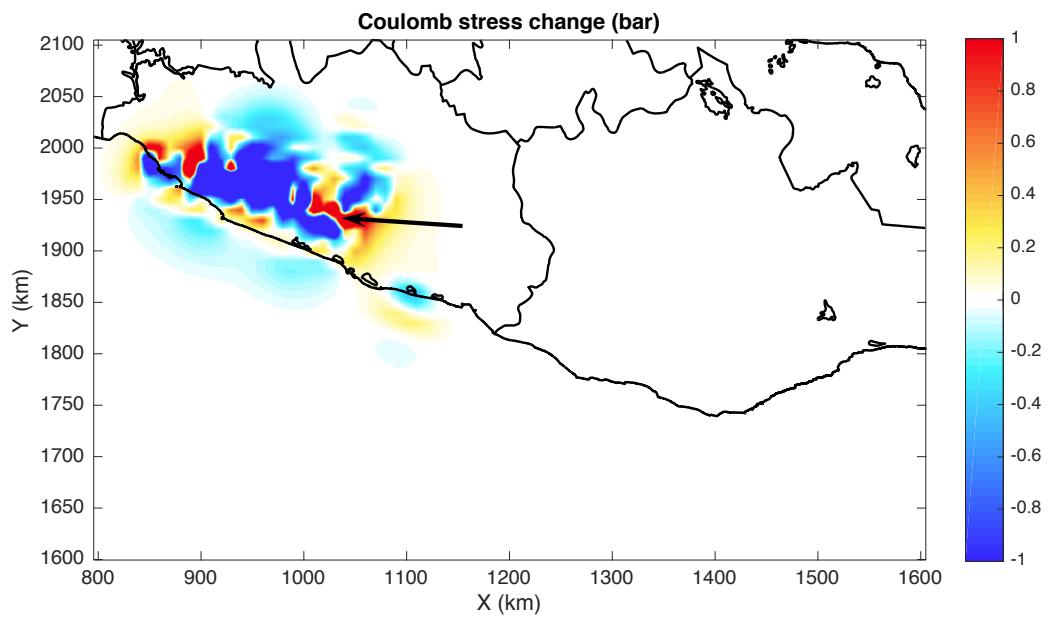
Figure A3. Coulomb failure stresses calculated for the 2009/10 Guerrero SSE: sub-event 1 shown here with a color scale extending to +/-1 bar. Arrow indicates location of the second sub-event.