

PUBLICATIONS

2013

- Graham S., C. DeMets, E. Cabral-Cano, V. Kostoglodov, **A. Walpersdorf, N. Cotte**, M. Brudzinski, R. McCaffrey, L. Salazar-Tlaczani (2013), GPS constraints on the 2011/2012 Oaxaca slow slip event and $M_w=7.4$ Ometepec earthquake sequence, Part 1: Pre-seismic deformation, *submitted to Geophys. J. Int.*
- Graham S., C. DeMets, E. Cabral-Cano, V. Kostoglodov, **A. Walpersdorf, N. Cotte**, M. Brudzinski, R. McCaffrey, L. Salazar-Tlaczani (2013), GPS constraints on the 2011/2012 Oaxaca slow slip event and $M_w=7.4$ Ometepec earthquake sequence, Part 2: Coseismic and postseismic deformation, *submitted to Geophys. J. Int.*
- **Rivet D., M. Campillo, M. Radiguet, D. Zigone**, V. Cruz-Atienza, **N. Shapiro**, V. Kostoglodov, **N. Cotte**, G. Cougoulat, **A. Walpersdorf**, and E. Daub (2013), Seismic velocity changes, strain rate and non-volcanic tremors during the 2009-2010 slow slip event in Guerrero, Mexico, *accepted for publication in Geophys. J. Int.*
- **Cavalié O., E. Pathier, M. Radiguet**, M. Vergnolle, **N. Cotte**, **A. Walpersdorf**, V. Kostoglodov, and **F. Cotton** (2013), Slow slip event in the Mexican subduction zone : Evidence of shallower slip in the Guerrero seismic gap for the 2006 event revealed by the joint inversion of InSAR and GPS data, *Earth and Planetary Science Letters*, vol. 367, p. 52-60, doi:10.1016/j.epsl.2013.02.020
- **Frank, W. B., N. Shapiro**, V. Kostoglodov, A. Husker., **M. Campillo**, J. S. Payero, and G. A. Prieto (2013), Low-frequency earthquakes in the Mexican Sweet Spot, *Geophys. Res. Lett.*, 40, doi:10.1002/grl.50561

2012

- Husker A., V. Kostoglodov, V. Cruz-Atienza, D. Legrand, **N. Shapiro**, J. Payero, **M. Campillo**, and E. Huesca-Pérez (2012), Temporal variations of non-volcanic tremor (NVT) locations in the Mexican subduction zone : finding the NVT sweet spot, *Geochem. Geophys. Geosyst.*, vol. 13, doi:10.1029/2011GC003916
- **Zigone D., D. Rivet, M. Radiguet, M. Campillo, C. Voisin, N. Cotte, A. Walpersdorf, N. Shapiro, G. Cougoulat, P. Roux**, V. Kostoglodov, A. Husker, and J. Payero (2012), Triggering of Tremors and Slow Slip event in Guerrero (Mexico) by the 2010 $Mw 8.8$ Maule, Chile, Earthquake, *J. of Geophysical Res.*, 117, B09304, doi:10.1029/2012JB009160
- **M. Radiguet, F. Cotton, M. Vergnolle, M. Campillo, A. Walpersdorf, N. Cotte**, and V. Kostoglodov (2012), Slow slip events and strain accumulation in the Guerrero gap, Mexico, *J. of Geophysical Res.*, vol. 117, p. B04305, doi :10.1029/2011JB008801

2011

- **Zigone D., C. Voisin**, E. Larose, F. Renard, and **M. Campillo** (2011), Slip acceleration generates seismic tremor like signals in friction experiments, *Geophys. Res. Lett.*, 38, L01315, doi:10.1029/2010GL045603
- **Walpersdorf A., N. Cotte**, V. Kostoglodov, M. Vergnolle, **M. Radiguet**, J. A. Santiago, and **M. Campillo** (2011), Two successive slow slip events evidenced in 2009–2010 by a dense GPS network in Guerrero, Mexico, *Geophys. Res. Lett.*, 38, L15307, doi:10.1029/2011GL048124
- **Rivet D., M. Campillo, N. Shapiro**, V. Cruz-Atienza, M. Radiguet, **N. Cotte**, and V. Kostoglodov (2011), Seismic evidence of nonlinear crustal deformation during a large slow slip event in Mexico, *Geophys. Res. Lett.*, 38, L08308, doi:10.1029/2011GL047151
- Sánchez-Sesma F.J., M. Rodríguez, U. Iturrarán-Viveros, F. Luzón, **M. Campillo**, L. Margerin, A. García-Jerez, M. Suárez, M. A. Santoyo, and A. Rodríguez-Castellanos (2011), A theory for microtremor H/V spectral ratio : application for a layered medium, *Geophys. J. Int.*, vol. : 186(1), 221-225, doi:10.1111/j.1365-246X.2011.05064.x

2010

- Husker A., S. Peyrat, **N. Shapiro**, V. Kostoglodov (2010), Automatic non-volcanic tremor detection in the Mexican subduction zone, *Geofisica Internacional*, 49 (1), 17-25
- Kostoglodov V., A. Husker, **N. Shapiro**, J. Payero, **M. Campillo**, **N. Cotte**, and R. Clayton (2010), The 2006 slow slip event and nonvolcanic tremor in the Mexican subduction zone, *Geophys. Res. Lett.*, 37, L24301, doi:10.1029/2010GL045424
- Vergnolle M., **A. Walpersdorf**, V. Kostoglodov, P. Tregoning, J. A. Santiago, N. Cotte, and S. I. Franco (2010), Slow slip events in Mexico revised from the processing of 11 year GPS observations, *J. Geophys. Res.*, 115, B08403, doi:10.1029/2009JB006852
- Cruz-Atienza V., A. Iglesias, J. Pacheco, **N. Shapiro**, and S. Singh (2010), Crustal Structure below the Valley of Mexico Estimated from Receiver Functions, *Bull. Seism. Soc. Am.*, 100, 3304–3311, doi: 10.1785/0120100051
- **Radiguet M., F. Cotton**, M. Vergnolle, **M. Campillo**, B. Valette, V. Kostoglodov, **N. Cotte** (2010), Spatial and temporal evolution of a long term slow slip event: the 2006 Guerrero Slow Slip Event, *Geophysical Journal International*, vol. 184, num. 2, p. 816-828 , doi:10.1111/j.1365-246X.2010.04866x.

2009

- **Cotte N., A. Walpersdorf**, V. Kostoglodov, M. Vergnolle, J.-A. Santiago, I. Manighetti and **M. Campillo** (2009), Anticipating the next large silent earthquake in Mexico, *EOS*, Vol. 90, No. 21, pp. 181-182

2007

- Payero J.S., V. Kostoglodov, **N. Shapiro**, T. Mikumo, A. Iglesias, X. Pérez-Campos, and R.W. Clayton (2007), Nonvolcanic tremor observed in the Mexican subduction zone, *Geophys. Res. Lett.*, 35, L07305, doi:10.1029/2007GL032877