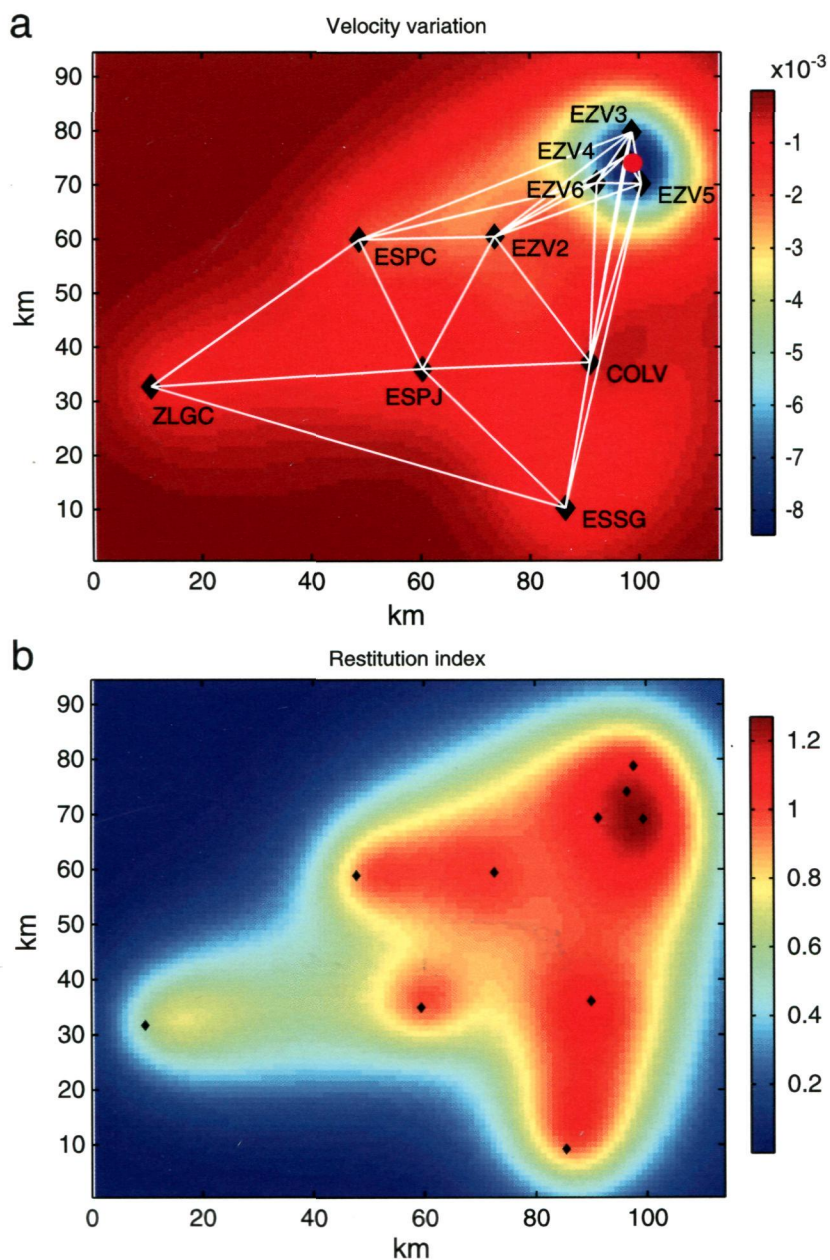


ПН  
780/gR



The online article is the official version and may contain additional content not available in this print issue. To access the full article, including multimedia, enhanced figures, supporting information, and other nonprinted content, go to <http://wileyonlinelibrary.com/journal/jgrb>.

## Geomagnetism and Paleomagnetism/Marine Geology and Geophysics

- 3939** *Ling-Yun Chiao, Ying-Nien Chen, and Yuancheng Gung*  
Constructing empirical resolution diagnostics for kriging and minimum curvature gridding (doi 10.1002/2013JB010364)
- 3955** *S. M. Colman, S. R. Hemming, S. Stine, and S. R. H. Zimmerman*  
The effects of recent uplift and volcanism on deposition in Mono Lake, California, from seismic-reflection (CHIRP) profiles (doi 10.1002/2013JB010726)
- 3971** *Santanu Misra, Jean-Pierre Burg, Jean-Louis Vigneresse, and David Mainprice*  
Rheological transition during large strain deformation of melting and crystallizing metapelites (doi 10.1002/2013JB010777)
- 3986** *G. Macedonio, F. Giudicepietro, L. D' Auria, and M. Martini*  
Sill intrusion as a source mechanism of unrest at volcanic calderas (doi 10.1002/2013JB010868)
- 4001** *A. Pommier and E. J. Garnero*  
Petrology-based modeling of mantle melt electrical conductivity and joint interpretation of electromagnetic and seismic results (doi 10.1002/2013JB010449)
- 4017** *Frédéric Girault, Frédéric Perrier, Robin Crockett, Mukunda Bhattarai, Bharat Prasad Koirala, Christian France-Lanord, Pierre Agrinier, Magali Ader, Frédéric Fluteau, Claire Gréau, and Manuel Moreira*  
The Syabru-Bensi hydrothermal system in central Nepal: 1. Characterization of carbon dioxide and radon fluxes (doi 10.1002/2013JB010301)
- 4056** *Frédéric Girault, and Frédéric Perrier*  
The Syabru-Bensi hydrothermal system in central Nepal: 2. Modeling and significance of the radon signature (doi 10.1002/2013JB010302)
- 4090** *Marco M. Scuderi, Brett M. Carpenter, and Chris Marone*  
Physicochemical processes of frictional healing: Effects of water on stick-slip stress drop and friction of granular fault gouge (doi 10.1002/2013JB010641)
- 4106** *P.-Y. Burgi, T. H. Darrah, D. Tedesco, and W. K. Eymold*  
Dynamics of the Mount Nyiragongo lava lake (doi 10.1002/2013JB010895)
- 4123** *Anne M. H. Pluymakers, Colin J. Peach, and Christopher J. Spiers*  
Diagenetic compaction experiments on simulated anhydrite fault gouge under static conditions (doi 10.1002/2014JB011073)
- 4149** *Ivars Neretnieks*  
Stress-mediated closing of fractures: Impact of matrix diffusion (doi 10.1002/2013JB010645)
- 4164** *Tetsuya Komabayashi*  
Thermodynamics of melting relations in the system Fe-FeO at high pressure: Implications for oxygen in the Earth's core (doi 10.1002/2014JB010980)
- 4178** *M. Takeda, T. Hiratsuka, M. Manaka, S. Finsterle, and K. Ito*  
Experimental examination of the relationships among chemico-osmotic, hydraulic, and diffusion parameters of Wakkanai mudstones (doi 10.1002/2013JB010421)
- 4202** *Y. Bernabé and B. Evans*  
Pressure solution creep of random packs of spheres (doi 10.1002/2014JB011036)
- 4219** *Yoshio Fukao, Takane Hori, and Shuichi Kodaira*  
Stress and displacement fields in the outer wedge induced by megathrust earthquakes (doi 10.1002/2013JB010398)
- 4233** *R. S. M. De Plaen, I. D. Bastow, E. L. Chambers, D. Keir, R. J. Gallacher, and J. Keane*  
The development of magmatism along the Cameroon Volcanic Line: Evidence from seismicity and seismic anisotropy (doi 10.1002/2013JB010583)
- 4253** *J. R. Leeman, M. M. Scuderi, C. Marone, D. M. Saffer, and T. Shinbrot*  
On the origin and evolution of electrical signals during frictional stick slip in sheared granular material (doi 10.1002/2013JB010793)

- 4269** *Adrian Shelley, Martha Savage, Charles Williams, Yosuke Aoki, and Boris Gurevich*  
Modeling shear wave splitting due to stress-induced anisotropy, with an application to Mount Asama Volcano, Japan  
(doi 10.1002/2013JB010817)
- 4287** *Shingo Watada, Satoshi Kusumoto, and Kenji Satake*  
Traveltime delay and initial phase reversal of distant tsunamis coupled with the self-gravitating elastic Earth  
(doi 10.1002/2013JB010841)
- 4311** *James R. Rice, John W. Rudnicki, and John D. Platt*  
Stability and localization of rapid shear in fluid-saturated fault gouge: 1. Linearized stability analysis  
(doi 10.1002/2013JB010710)
- 4334** *John D. Platt, John W. Rudnicki, and James R. Rice*  
Stability and localization of rapid shear in fluid-saturated fault gouge: 2. Localized zone width and strength evolution  
(doi 10.1002/2013JB010711)
- 4360** *Philippe Lesage, Gabriel Reyes-Dávila, and Raúl Arámbula-Mendoza*  
Large tectonic earthquakes induce sharp temporary decreases in seismic velocity in Volcán de Colima, Mexico  
(doi 10.1002/2013JB010884)
- 4377** *Guoqing Lin, Peter M. Shearer, Robin S. Matoza, Paul G. Okubo, and Falk Amelung*  
Three-dimensional seismic velocity structure of Mauna Loa and Kilauea volcanoes in Hawaii from local seismic tomography (doi 10.1002/2013JB010820)
- 4393** *Ashutosh Chamoli, Anthony R. Lowry, and Tamara N. Jeppson*  
Implications of transient deformation in the northern Basin and Range, western United States  
(doi 10.1002/2013JB010605)
- 4414** *Jeremy Maurer and Kaj Johnson*  
Fault coupling and potential for earthquakes on the creeping section of the central San Andreas Fault  
(doi 10.1002/2013JB010741)
- 4429** *Eva Boergens, Elena Rangelova, Michael G. Sideris, and Juergen Kusche*  
Assessment of the capabilities of the temporal and spatiotemporal ICA method for geophysical signal separation in GRACE data (doi 10.1002/2013JB010452)
- 4448** *D. Cheloni, N. D'Agostino, and G. Selvaggi*  
Interseismic coupling, seismic potential, and earthquake recurrence on the southern front of the Eastern Alps (NE Italy)  
(doi 10.1002/2014JB010954)
- 4469** *H. Perfettini and J. P. Avouac*  
The seismic cycle in the area of the 2011  $M_w$ 9.0 Tohoku-Oki earthquake (doi 10.1002/2013JB010697)

---

**Cover.** Location of the velocity perturbations associated with the 2003 Tecomán earthquake. (a) Map of velocity variations obtained by linear least squares inversion of the apparent velocity variations estimated for 27 pairs of stations (white lines) and various time lags. Red circle shows the crater position. (b) Map of corresponding restitution index. Velocities recovered well in regions where the restitution index is close to one. See Lesage et al., pp. 4360–4376, doi: 10.1002/2013JB010884.