

## Publications de l'équipe de paléomagnétisme

### ~ 2003 ~

- Borradaile, G.J., T. Werner, and F. Lagroix, Differences in paleomagnetic interpretations due to the choice of statistical, demagnetization and correction techniques: Kapuskasing Structural Zone, northern Ontario, Canada, *Tectonophysics (Amst.)*, 363, 103-125, 2003.
- Bouabdallah, H., B. Henry, N.E. Merabet, and S. Maouche, Juxtaposed and superimposed magnetizations in Carboniferous formations of the Tindouf basin, *Bull. Serv. Géol. Algérie*, 14, 53-64, 2003.
- Carvallo, C., P. Camps, G. Ruffet, B. Henry, and T. Poidras, Mono Lake or laschamp geomagnetic event recorder from lava flows in Amsterdam island (southeastern Indian Ocean), *Geophys. j. int.*, 154, 767-782, 2003.
- Cogné, J.P., PaleoMac : a Macintosh TM application for paleomagnetic data and making plate reconstructions, *Geochemistry, Geophysics, Geosystems=G Cubed*, 4 (1), 1007, doi : 10.1029/2001GC000227, 2003.
- Coulié, E., X. Quidelleur, P.-Y. Gillot, V. Courtillot, J.-C. Lefèvre, and S. Chiesa, Comparative K-Ar and Ar/Ar dating of Ethiopian and Yemenite Oligocene volcanism: implications for timing and duration of the Ethiopian traps, *Earth planet. sci. lett.*, 206, 477-492, 2003.
- Courtillot, V., Avant-Propos, *C.R. Geoscience*, 335, 1-7, 2003.
- Courtillot, V., The Earth's dynamics - Les dynamiques de la Terre, *C.R. Géoscience*, 335, 1-7, 2003.
- Courtillot, V., A. Davaille, J. Besse, and J. Stock, Three distinct types of hotspots in the Earth's mantle, *Earth planet. sci. lett.*, 205, 295-308, 2003.
- Courtillot, V., and P. Renne, On the ages of flood basalt events / Sur lâge des trapps basaltiques, *C.R. Geoscience*, 335, 113-140, 2003.
- Courtillot, V., and P. Renne, Reply to the commentary by Eric Buffetaut on the note by Vincent Courtillot and Paul Renne, "On the ages of flood basalt events", *C.R. Géoscience*, 335, 775, 2003.
- Donnadieu, Y., F. Fluteau, G. Ramstein, C. Ritz, and J. Besse, Is there a conflict between the Neoproterozoic glacial deposits and the snowball Earth interpretation: an improved understanding with numerical modeling, *Earth planet. sci. lett.*, 208, 101-112, 2003.
- Fluteau, F., Earth dynamics and climate changes / La dynamique terrestre et les modifications climatiques, *C.R. Geoscience*, 335, 157-174, 2003.
- Gallet, Y., A. Genevey, and V. Courtillot, On the possible occurrence of archaeomagnetic jerks in the geomagnetic field over the past three millennia, *Earth planet. sci. lett.*, 214, 237-242, 2003.
- Gallet, Y., V. Pavlov, and V. Courtillot, Magnetic reversal frequency and Apparent Polar Wander of the Siberian platform in the earliest Paleozoic, inferred from the Khorbusuonka river section (northeastern Siberia), *Geophys. j. int.*, 154, 829-840, 2003.
- Genevey, A., Y. Gallet, and J.-C. Margueron, Eight thousand years of geomagnetic field intensity variations in the Eastern Mediterranean, *J. geophys. res.*, 108, 2228 : 10.1029/2001JB001612, 2003.
- Gilder, S., Y. Chen, J.-P. Cogné, X. Tan, V. Courtillot, D. Sun, and Y. Li, Paleomagnetism of Upper Jurassic to Lower Cretaceous volcanic and sedimentary rocks from the western Tarim Basin and implications for inclination shallowing and absolute dating of the M-0 (ISEA?) chron, *Earth planet. sci. lett.*, 206, 587-600, 2003.

- Gilder, S., S. Rousse, D. Farber, B. McNulty, T. Sempere, V. Torres, and O. Palacios, Post-Middle Oligocene origin of paleomagnetic rotations in Upper Permian to Lower jurassic rocks from northern and southern Peru, *Earth planet. sci. lett.*, 210, 233-248, 2003.
- Glen, J., J.-P. Valet, V. Soler, P. Renne, and A. Elmaleh, A neogene Geomagnetic Polarity transition record from lavas of Canary islands, Spain : episodic volcanism and/or metastable transitional fields ?, *Geophys. j. int.*, 154 (2), 426-440, 2003.
- Halim, N., Y. Chen, and J.P. Cogné, A first palaeomagnetic study of Jurassic formations from the Qaidam basin, Northeastern Tibet, China - tectonic implications, *Geophys. j. int.*, 153, 20-26, 2003.
- Henry, B., P. Camps, and G. Plenier, Magnetic fabric of Miocene lavas in the Jeanne d'Arc peninsula (Kerguelen islands), *J. Volc. Geotherm. Res.*, 127, 153-164, 2003.
- Henry, B., D. Jordanova, N. Jordanova, C. Souque, and P. Robion, Anisotropy of magnetic susceptibility of heated rocks, *Tectonophysics*, 366 (3-4), 241-258, 2003.
- Herrero-Bervera, E., and J.P. Valet, Persistent anomalous inclinations recorded in the Koolau volcanic series on the island of Oahu (Hawaii, USA) between 1.8 and 2.6 Ma, *Earth planet. sci. lett.*, 212, 443-456, 2003.
- Hulot, G., and A. Chulliat, On the possibility of quantifying diffusion and horizontal Lorentz forces at the Earth's core surface, *Phys. earth. planet. inter.*, 135, 47-54, 2003.
- Kidane, T., V. Courtillot, I. Manighetti, L. Audin, P. Lahitte, X. Quidelleur, P.-Y. Gillot, Y. Gallet, J. Carlut, and T. Haile, New paleomagnetic and geochronologic results from Ethiopian Afar : Block rotations linked to rift overlap and propagation and determination of a ~2 Ma reference pole for stable Africa, *J. geophys. res.*, 108, 10.1029/2001JB000645, 2003.
- Labrosse, S., and M. Macouin, The inner core and the geodynamo / La graine et la géodynamo, *C.R. Geoscience*, 335, 37-50, 2003.
- Lahitte, P., P.Y. Gillot, and V. Courtillot, Silicic central volcanoes as precursors to rift propagation: the Afar case, *Earth planet. sci. lett.*, 207, 103-116, 2003.
- Langlais, B., M. Mandea, and P. Ulte-Guerard, High-resolution magnetic field modeling : application to MAGSAT and Orsted data, *Phys. earth. planet. inter.*, 135, 77-92, 2003.
- Macouin, M., J.P. Valet, J. Besse, K. Buchan, R. Ernst, M. LeGoff, and U. Scharer, Low paleointensities recorded in 1 to 2.4 Ga Proterozoic dykes, Superior Province, Canada, *Earth planet. sci. lett.*, 213, 79-95, 2003.
- Quidelleur, X., J. Carlut, V. Soler, J.-P. Valet, and P.-Y. Gillot, The age and duration of the Matuyama-Brunhes transition from new K-Ar data from La Palma (Canary islands) and revisited 40Ar/39Ar ages, *Earth planet. sci. lett.*, 208, 149-163, 2003.
- Roger, F., N. Arnaud, S. Gilder, P. Tapponnier, M. Jolivet, M. Brunel, J. Malavieille, Z. Xu, and J. Yang, Geochronological and geochemical constraints on Mesozoic suturing in east central Tibet, *Tectonics (Washington, DC)*, 22 (4), 1037, 2003.
- Rousse, S., S. Gilder, D. Farber, B. McNulty, P. Patriat, V. Torres, and T. Sempere, Paleomagnetic tracking of mountain building in the Peruvian Andes since 10 Ma, *Tectonics (Washington, DC)*, 22 (5), 1048, 2003.
- Tanguy, J.-C., M. Le Goff, C. Principe, S. Arrighi, V. Chillemi, A. Paiotti, S. La Delfa, and G. Patanè, Archeomagnetic dating of Mediterranean volcanics of the last 2100 years : validity and limits, *Earth planet. sci. lett.*, 211, 111-124, 2003.
- Valet, J.-P., Time variations in Geomagnetic Intensity, *Rev. Geophys.* (1985), 41, 1004, 2003.

Valet, J.P., and E. Herrero-Bervera, Some characteristics of geomagnetic reversals inferred from detailed volcanic records / Quelques caractéristiques des inversions géomagnétiques déduites d'enregistrements volcaniques détaillés, *C.R. Geoscience*, 335, 79-90, 2003.