

## 2009

- [1] M. Abd El-Gelil and S. Pagiatakis. Least squares self-coherence for sub-ngal signal detection in the superconducting gravimeter records. *JOURNAL OF GEODYNAMICS*, 48(3-5, SI):310–315, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.018.
- [2] M. Benavent, J. Arnosó, and F.G. Montesinos. Regional ocean tide loading modelling around the iberian peninsula. *Journal of Geodynamics*, 48(3-5):132–137, 2009. URL: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-72049096364&doi=10.1016%2fj.jog.2009.09.023&partnerID=40&md5=e4bcbad0baefadd7ac80dfafb6408c3>, doi:10.1016/j.jog.2009.09.023.
- [3] J.-P. Boy, L. Longuevergne, F. Boudin, T. Jacob, F. Lyard, M. Llubes, N. Florsch, and M.-F. Esnault. Modelling atmospheric and induced non-tidal oceanic loading contributions to surface gravity and tilt measurements. *JOURNAL OF GEODYNAMICS*, 48(3-5, SI):182–188, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.022.
- [4] X. Chen, C. Kroner, H.-P. Sun, M. Abe, J. Zhou, H. Yan, and H. Wziontek. Determination of gravimetric parameters of the gravity pole tide using observations recorded with superconducting gravimeters. *JOURNAL OF GEODYNAMICS*, 48(3-5):348–353, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.020.
- [5] D. Crossley and J. Hinderer. The contribution of ggp superconducting gravimeters to ggos. In M. G. Sideris, editor, *OBSERVING OUR CHANGING EARTH*, volume 133 of *International Association of Geodesy Symposia*, pages 841+. Int Assoc Geodesy; Int Union Geodesy & Geophys, 2009. General Assembly of the International-Association-of-Geodesy/24th General Assembly of the International-Union-of-Geodesy-and-Geophysics, Perugia, ITALY, JUL 02-13, 2007.
- [6] D. Crossley and J. Hinderer. Report of ggp activities to commission 3, completing 10 years for the worldwide network of superconducting gravimeters. In M. G. Sideris, editor, *OBSERVING OUR CHANGING EARTH*, volume 133 of *International Association of Geodesy Symposia*, pages 511+. Int Assoc Geodesy; Int Union Geodesy & Geophys, 2009. General Assembly of the International-Association-of-Geodesy/24th General Assembly of the International-Union-of-Geodesy-and-Geophysics, Perugia, ITALY, JUL 02-13, 2007.
- [7] D. Crossley and J. Hinderer. A review of the ggp network and scientific challenges. *JOURNAL OF GEODYNAMICS*, 48(3-5, SI):299–304, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.019.
- [8] C. de Linage, J. Hinderer, and J.-P. Boy. Variability of the gravity-to-height ratio due to surface loads. *PURE AND APPLIED GEOPHYSICS*, 166(8-9):1217–1245, SEP 2009. 2nd Workshop on Deformation and Gravity Change - Indicators of Isostasy, Tectonics, Volcanism and Climate Change, Lanzarote, SPAIN, MAR 27-30, 2007. doi:10.1007/s00024-004-0506-0.
- [9] B. Ducarme, S. Rosat, L. Vandercoilden, J.-Q. Xu, and H.-P. Sun. European tidal gravity observations: Comparison with earth tide models and estimation of the free core nutation (fcn) parameters. In M. G. Sideris, editor, *OBSERVING OUR CHANGING EARTH*, volume 133 of *International Association of Geodesy Symposia*, pages 523+. Int Assoc Geodesy; Int Union Geodesy & Geophys, 2009. General Assembly of the International-Association-of-Geodesy/24th General Assembly of the International-Union-of-Geodesy-and-Geophysics, Perugia, ITALY, JUL 02-13, 2007.

- [10] M. Harnisch and G. Harnisch. Polar motion influences in the gravity data recorded by superconducting gravimeters. *JOURNAL OF GEODYNAMICS*, 48(3-5):340–347, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.015.
- [11] J. Hinderer, C. de Linage, J. P. Boy, P. Gegout, F. Masson, Y. Rogister, M. Amalvict, J. Pfeffer, F. Littel, B. Luck, R. Bayer, C. Champollion, P. Collard, N. Le Moigne, M. Diament, S. Deroussi, O. de Viron, R. Biancale, J. M. Lernoine, S. Bonvalot, G. Gabalda, O. Bock, P. Genthon, M. Boucher, G. Favreau, L. Seguis, F. Delclaux, B. Cappelaere, M. Oi, M. Descloitres, S. Galle, J. P. Laurent, A. Legchenko, and M. N Bouin. The ghyraf (gravity and hydrology in africa) experiment: Description and first results. *JOURNAL OF GEODYNAMICS*, 48(3-5, SI):172–181, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.014.
- [12] C. Hwang, R. Kao, C.-C. Cheng, J.-F. Huang, C.-W. Lee, and T. Sato. Results from parallel observations of superconducting and absolute gravimeters and gps at the hsinchu station of global geodynamics project, taiwan. *JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH*, 114, JUL 2009. doi:10.1029/2008JB006195.
- [13] Y. Imanishi. High-frequency parasitic modes of superconducting gravimeters. *JOURNAL OF GEODESY*, 83(5):455–467, MAY 2009. doi:10.1007/s00190-008-0253-6.
- [14] Y. Imanishi, Y. Tamura, H. Ikeda, and S. Okubo. Permanent gravity changes recorded on superconducting gravimeters from earthquakes in central japan-the noto hantou and niigataken chuetsu-oki events in 2007. *JOURNAL OF GEODYNAMICS*, 48(3-5):260–268, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.013.
- [15] T. Jacob, J. Chery, R. Bayer, N. Le Moigne, J.-P. Boy, P. Vernant, and F. Boudin. Time-lapse surface to depth gravity measurements on a karst system reveal the dominant role of the epikarst as a water storage entity. *GEOPHYSICAL JOURNAL INTERNATIONAL*, 177(2):347–360, MAY 2009. doi:10.1111/j.1365-246X.2009.04118.x.
- [16] G. Jentzsch, T. Jahr, and C. Kroner. Special issue on “new challenges in earth’s dynamics” proceedings of the 16th international symposium on earth tides-joined meeting of sub-commissions 3.1 on earth rotation and earth tides, 3.2 on crustal deformation, 3.3 on geophysical fluids, and the global geodynamics project (ggp), held in jena, germany, 1-5 september 2008. *JOURNAL OF GEODYNAMICS*, 48(3-5):107–109, DEC 2009. doi:10.1016/j.jog.2009.09.041.
- [17] T. Kazama and S. Okubo. Hydrological modeling of groundwater disturbances to observed gravity: Theory and application to asama volcano, central japan. *JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH*, 114, AUG 2009. doi:10.1029/2009JB006391.
- [18] J. W. Kim, J. Neumeyer, T. H. Kim, I. Woo, H.-J. Park, J.-S. Jeon, and K.-D. Kim. Analysis of superconducting gravimeter measurements at mungyung station, korea. *JOURNAL OF GEODYNAMICS*, 47(4):180–190, APR 2009. doi:10.1016/j.jog.2008.07.008.
- [19] K.-D. Kim, J. W. Kim, J. Neumeyer, R. Kao, C. Hwang, H.-J. Park, I. Woo, and Y. W. Lee. Determination of gravity at mungyung (mungyeong) superconducting gravity observatory, korea. *GEOSCIENCES JOURNAL*, 13(2):141–150, JUN 2009. doi:10.1007/s12303-009-0013-5.

- [20] T. Klügel and H. Wziontek. Correcting gravimeters and tiltmeters for atmospheric mass attraction using operational weather models. *Journal of Geodynamics*, 48(3–5):204–210, 2009. New Challenges in Earth’s Dynamics - Proceedings of the 16th International Symposium on Earth Tides. doi:<https://doi.org/10.1016/j.jog.2009.09.010>.
- [21] P. Krause, M. Naujoks, M. Fink, and C. Kroner. The impact of soil moisture changes on gravity residuals obtained with a superconducting gravimeter. *JOURNAL OF HYDROLOGY*, 373(1–2):151–163, JUN 2009. doi:10.1016/j.jhydro1.2009.04.019.
- [22] C. Kroner, M. Thomas, H. Dobsław, M. Abe, and A. Weise. Seasonal effects of non-tidal oceanic mass shifts in observations with superconducting gravimeters. *JOURNAL OF GEODYNAMICS*, 48(3-5, SI):354–359, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.009.
- [23] L. Longuevergne, J.-P. Boy, N. Florsch, D. Viville, G. Ferhat, P. Ulrich, B. Luck, and J. Hinderer. Local and global hydrological contributions to gravity variations observed in strasbourg. *JOURNAL OF GEODYNAMICS*, 48(3-5):189–194, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.008.
- [24] L. Longuevergne, L. Oudin, N. Florsch, F. Boudin, and J-P. Boy. Physical modelling to remove hydrological effects at local and regional scale: Application to the 100-m hydrostatic inclinometer in sainte-croix-aux-mines (france). In M. G. Sideris, editor, *OBSERVING OUR CHANGING EARTH*, volume 133 of *International Association of Geodesy Symposia*, pages 533+. Int Assoc Geodesy; Int Union Geodesy & Geophys, 2009. General Assembly of the International-Association-of-Geodesy/24th General Assembly of the International-Union-of-Geodesy-and-Geophysics, Perugia, ITALY, JUL 02-13, 2007.
- [25] S. Luo, H.-P. Sun, and J. Xu. An investigation of the quasi 3-d atmospheric loading response on gravity-implementation and evaluation. *JOURNAL OF GEODYNAMICS*, 48(3-5):366–370, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.007.
- [26] K. Nawa, N. Suda, I. Yamada, R. Miyajima, and S. Okubo. Coseismic change and precipitation effect in temporal gravity variation at inuyama, japan: A case of the 2004 off the kii peninsula earthquakes observed with a superconducting gravimeter. *JOURNAL OF GEODYNAMICS*, 48(1):1–5, JUL 2009. doi:10.1016/j.jog.2009.01.006.
- [27] U. Riccardi, J. Hinderer, J. P. Boy, and Y. Rogister. Tilt effects on gwr superconducting gravimeters. *JOURNAL OF GEODYNAMICS*, 48(3-5):316–324, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.001.
- [28] S. Rosat, J. P. Boy, G. Ferhat, J. Hinderer, M. Amalvict, P. Gegout, and B. Luck. Analysis of a 10-year (1997-2007) record of time-varying gravity in strasbourg using absolute and superconducting gravimeters: New results on the calibration and comparison with gps height changes and hydrology. *JOURNAL OF GEODYNAMICS*, 48(3-5, SI):360–365, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.026.
- [29] S. Rosat, N. Florsch, J. Hinderer, and M. Llubes. Estimation of the free core nutation parameters from sg data: Sensitivity study and comparative analysis using linearized least-squares and bayesian methods. *JOURNAL OF GEODYNAMICS*, 48(3-5):331–339, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.027.

- [30] S. Rosat and S. B. Lambert. Free core nutation resonance parameters from vlbi and superconducting gravimeter data. *ASTRONOMY & ASTROPHYSICS*, 503(1):287–291, AUG 2009. doi:10.1051/0004-6361/200811489.
- [31] H.-P. Sun, X.-M. Cui, J.-Q. Xu, B. Ducarme, M.-B. Liu, and J.-C. Zhou. Preliminary application of superconductive gravity technique on the investigation of viscosity at core-mantle boundary. *CHINESE JOURNAL OF GEOPHYSICS-CHINESE EDITION*, 52(3):637–645, MAR 2009.
- [32] A. Weise, C. Kroner, M. Abe, J. Ihde, G. Jentzsch, M. Naujoks, H. Wilmes, and H. Wziontek. Gravity field variations from superconducting gravimeters for grace validation. *JOURNAL OF GEODYNAMICS*, 48(3-5, SI):325–330, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.034.
- [33] H. Wilmes, H. Wziontek, R. Falk, and S. Bonvalot. Agrav-the new international absolute gravity database of bgi and bkg and its benefit for the global geodynamics project (ggp). *JOURNAL OF GEODYNAMICS*, 48(3-5):305–309, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.035.
- [34] H. Wziontek, R. Falk, H. Wilmes, and P. Wolf. Precise gravity time series and instrumental properties from combination of superconducting and absolute gravity measurements. In M. G. Sideris, editor, *OBSERVING OUR CHANGING EARTH*, volume 133 of *INTERNATIONAL ASSOCIATION OF GEODESY SYMPOSIA*, pages 301–306. Int Assoc Geodesy; Int Union Geodesy & Geophys, 2009. General Assembly of the International-Association-of-Geodesy/24th General Assembly of the International-Union-of-Geodesy-and-Geophysics, Perugia, ITALY, JUL 02-13, 2007.
- [35] H. Wziontek, H. Wilmes, P. Wolf, S. Werth, and A. Guentner. Time series of superconducting gravimeters and water storage variations from the global hydrology model wghm. *JOURNAL OF GEODYNAMICS*, 48(3-5, SI):166–171, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.036.
- [36] J. C. Zhou, H.-P. Sun, and J.-Q. Xu. Validating global hydrological models by ground and space gravimetry. *CHINESE SCIENCE BULLETIN*, 54(9):1534–1542, MAY 2009. doi:10.1007/s11434-009-0006-9.
- [37] J.-C. Zhou, J.-Q. Xu, and H.-P. Sun. Accurate correction models for tidal gravity in chinese continent. *CHINESE JOURNAL OF GEOPHYSICS-CHINESE EDITION*, 52(6):1474–1482, JUN 2009. doi:10.3969/j.issn.0001-5733.2009.06.008.
- [38] W. Zuern and B. Meurers. Clear evidence for the sign-reversal of the pressure admittance to gravity near 3 mhz. *JOURNAL OF GEODYNAMICS*, 48(3-5, SI):371–377, DEC 2009. 16th International Symposium on Earth Tides, Jena, GERMANY, SEP 01-05, 2008. doi:10.1016/j.jog.2009.09.040.