

2018

- Dora Ban, Gyula Mentes, Marta Kis, and Andras Koppan. Observation of the Earth Liquid Core Resonance by Extensometers. *PURE AND APPLIED GEOPHYSICS*, 175(5):1631–1642, MAY 2018. ISSN 0033-4553. doi: {10.1007/s00024-017-1724-6}.
- Janusz Bogusz, Severine Rosat, Anna Klos, and Artur Lenczuk. On the noise characteristics of time series recorded with nearby located GPS receivers and superconducting gravity meters. *ACTA GEODAEtica ET GEOPHYSICA*, 53(2):201–220, JUN 2018. ISSN 2213-5812. doi: {10.1007/s40328-018-0212-5}.
- Marta Calvo, Severine Rosat, and Jacques Hinderer. Tidal Spectroscopy from a Long Record of Superconducting Gravimeters in Strasbourg (France). In Freymueller, JT and Sanchez, L, editor, *INTERNATIONAL SYMPOSIUM ON EARTH AND ENVIRONMENTAL SCIENCES FOR FUTURE GENERATIONS*, volume 147 of *International Association of Geodesy Symposia*, pages 131–136. Int Assoc Geodesy; Int Union Geodesy & Geophysics, 2018. ISBN 978-3-319-69170-1. doi: {10.1007/1345_2016_223}. 26th IAG General Assembly of the International-Union-of-Geodesy-and-Geophysics (IUGG) on Earth and Environmental Sciences for Future Generations, Prague, CZECH REPUBLIC, JUN 22-JUL 02, 2015.
- David Crossley, Marta Calvo, Severine Rosat, and Jacques Hinderer. More Thoughts on AG-SG Comparisons and SG Scale Factor Determinations. *PURE AND APPLIED GEOPHYSICS*, 175(5):1699–1725, MAY 2018. ISSN 0033-4553. doi: {10.1007/s00024-018-1834-9}.
- Xiaoming Cui, Heping Sun, Jianqiao Xu, Jiangcun Zhou, and Xiaodong Chen. Detection of free core nutation resonance variation in Earth tide from global superconducting gravimeter observations. *EARTH PLANETS AND SPACE*, 70, DEC 18 2018. ISSN 1880-5981. doi: {10.1186/s40623-018-0971-9}.
- Wang DiJin, Liu ZiWei, Wei Jin, Wang Wei, and Nie ZhaoSheng. Method to correct atmospheric pressure effects based on ensemble empirical mode decomposition. *CHINESE JOURNAL OF GEOPHYSICS-CHINESE EDITION*, 61(2):504–520, FEB 2018. ISSN 0001-5733. doi: {10.6038/cjg2018L0139}.
- Hao Ding and Benjamin F. Chao. Application of Stabilized AR-z Spectrum in Harmonic Analysis for Geophysics. *JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH*, 123(9):8249–8259, SEP 2018. ISSN 2169-9313. doi: {10.1029/2018JB015890}.
- C. D. Doody, A. T. Ringler, R. E. Anthony, D. C. Wilson, A. A. Holland, C. R. Hutt, and L. D. Sandoval. Effects of Thermal Variability on Broadband Seismometers: Controlled Experiments, Observations, and Implications. *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*, 108(1):493–502, FEB 2018. ISSN 0037-1106. doi: {10.1785/0120170233}.
- B. Fores, C. Champollion, G. Mainsant, J. Albaric, and A. Fort. Monitoring Saturation Changes with Ambient Seismic Noise and Gravimetry in a Karst Environment. *VADOSE ZONE JOURNAL*, 17(1), MAY 17 2018. doi: {10.2136/vzj2017.09.0163}.
- Ebrahim Ghaderpour, E. Sinem Ince, and Spiros D. Pagiatakis. Least-squares cross-wavelet analysis and its applications in geophysical time series. *JOURNAL OF GEODESY*, 92(10):1223–1236, OCT 2018. ISSN 0949-7714. doi: {10.1007/s00190-018-1156-9}.
- Sun HePing, Zhang MiaoMiao, Xu JianQiao, Chen XiaoDong, and Liu QingChao. Extraction and study of the gravity pole tide using EEMD. *CHINESE JOURNAL OF GEOPHYSICS-CHINESE EDITION*, 61(2):521–530, FEB 2018. ISSN 0001-5733. doi: {10.6038/cjg2018L0212}.

- J. Hinderer, J. P. Boy, R. Hamidi, A. Abtout, E. Issawy, A. Radwan, K. Zharan, and M. Hamoudi. Ground-Satellite Comparisons of Time Variable Gravity: Results, Issues and On-Going Projects for the Null Test in Arid Regions. In Freymueller, JT and Sanchez, L, editor, *INTERNATIONAL SYMPOSIUM ON EARTH AND ENVIRONMENTAL SCIENCES FOR FUTURE GENERATIONS*, volume 147 of *International Association of Geodesy Symposia*, pages 89–96. Int Assoc Geodesy; Int Union Geodesy & Geophysics; Joint Tsunami Commiss, 2018a. ISBN 978-3-319-69170-1. doi: {10.1007/1345_2017_266}. 26th IAG General Assembly of the International-Union-of-Geodesy-and-Geophysics (IUGG) on Earth and Environmental Sciences for Future Generations, Prague, CZECH REPUBLIC, JUN 22-JUL 02, 2015.
- J. Hinderer, B. Hector, A. Memin, and M. Calvo. Hybrid Gravimetry as a Tool to Monitor Surface and Underground Mass Changes. In Freymueller, JT and Sanchez, L, editor, *INTERNATIONAL SYMPOSIUM ON EARTH AND ENVIRONMENTAL SCIENCES FOR FUTURE GENERATIONS*, volume 147 of *International Association of Geodesy Symposia*, pages 123–130. Int Assoc Geodesy; Int Union Geodesy & Geophysics; Joint Tsunami Commiss, 2018b. ISBN 978-3-319-69170-1. doi: {10.1007/1345_2016_253}. 26th IAG General Assembly of the International-Union-of-Geodesy-and-Geophysics (IUGG) on Earth and Environmental Sciences for Future Generations, Prague, CZECH REPUBLIC, JUN 22-JUL 02, 2015.
- Yuichi Imanishi, Kazunari Nawa, Yoshiaki Tamura, and Hiroshi Ikeda. Effects of horizontal acceleration on the superconducting gravimeter CT #036 at Ishigakijima, Japan. *EARTH PLANETS AND SPACE*, 70, JAN 12 2018. ISSN 1880-5981. doi: {10.1186/s40623-018-0777-9}.
- Guo JinYun, Gao WenZong, Yu HongJuan, Liu Xin, Kong QiaoLi, and Chen XiaoDong. Gravity tides extracted from relative gravimetric data with singular spectrum analysis. *CHINESE JOURNAL OF GEOPHYSICS-CHINESE EDITION*, 61(10):3889–3902, OCT 2018. ISSN 0001-5733. doi: {10.6038/cjg2018L0460}.
- K. Juhel, J. P. Ampuero, M. Barsuglia, P. Bernard, E. Chassande-Mottin, D. Fiorucci, J. Harms, J. P. Montagner, M. Vallee, and B. F. Whiting. Earthquake Early Warning Using Future Generation Gravity Strainmeters. *JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH*, 123(12): 10889–10902, DEC 2018. ISSN 2169-9313. doi: {10.1029/2018JB016698}.
- Bruno Meurers. Scintrex CG5 used for superconducting gravimeter calibration. *GEODESY AND GEODYNAMICS*, 9(3, SI):197–203, MAY 2018. ISSN 1674-9847. doi: {10.1016/j.geog.2017.02.009}.
- F. A. Oreiro, H. Wziontek, M. M. E. Fiore, E. E. D’Onofrio, and C. Brunini. Non-Tidal Ocean Loading Correction for the Argentinean-German Geodetic Observatory Using an Empirical Model of Storm Surge for the Rio de la Plata. *PURE AND APPLIED GEOPHYSICS*, 175(5):1739–1753, MAY 2018. ISSN 0033-4553. doi: {10.1007/s00024-017-1651-6}.
- Dimitrios Piretzidis, Gurveer Sra, Georgios Karantaidis, Michael G. Sideris, and Hojjat Kabirzadeh. Identifying presence of correlated errors using machine learning algorithms for the selective de-correlation of GRACE harmonic coefficients. *GEOPHYSICAL JOURNAL INTERNATIONAL*, 215 (1):375–388, OCT 2018. ISSN 0956-540X. doi: {10.1093/gji/ggy272}.
- Nolwenn Portier, Jacques Hinderer, Umberto Riccardi, Gilbert Ferhat, Marta Calvo, Yassine Abdelfettah, and Jean-Daniel Bernard. New results on the gravity monitoring (2014-2017) of Soultz-sous-Forets and Rittershoffen geothermal sites (France). *GEOTHERMAL ENERGY*, 6(1), DEC 2018a. ISSN 2195-9706. doi: {10.1186/s40517-018-0104-5}.

- Nolwenn Portier, Jacques Hinderer, Umberto Riccardi, Gilbert Ferhat, Marta Calvo, Yassine Abdelfettah, Christine Heimlich, and Jean-Daniel Bernard. Hybrid gravimetry monitoring of Soultz-sous-Forets and Rittershoffen geothermal sites (Alsace, France). *GEOTHERMICS*, 76:201–219, NOV 2018b. ISSN 0375-6505. doi: {10.1016/j.geothermics.2018.07.008}.
- U. Riccardi, J-P. Boy, J. Hinderer, S. Rosat, and F. Boudin. Free Core Nutation Parameters from Hydrostatic Long-Base Tiltmeter Records in Sainte Croix aux Mines (France). In Freymueller, JT and Sanchez, L, editor, *INTERNATIONAL SYMPOSIUM ON EARTH AND ENVIRONMENTAL SCIENCES FOR FUTURE GENERATIONS*, volume 147 of *International Association of Geodesy Symposia*, pages 171–179. Int Assoc Geodesy; Int Union Geodesy & Geophysics, 2018. ISBN 978-3-319-69170-1. doi: {10.1007/1345_2016_260}. 26th IAG General Assembly of the International-Union-of-Geodesy-and-Geophysics (IUGG) on Earth and Environmental Sciences for Future Generations, Prague, CZECH REPUBLIC, JUN 22-JUL 02, 2015.
- S. Rosat and J. Hinderer. Limits of Detection of Gravimetric Signals on Earth. *SCIENTIFIC REPORTS*, 8, OCT 17 2018. ISSN 2045-2322. doi: {10.1038/s41598-018-33717-z}.
- S. Rosat, B. Escot, J. Hinderer, and J. P. Boy. Analyses of a 426-Day Record of Seafloor Gravity and Pressure Time Series in the North Sea. *PURE AND APPLIED GEOPHYSICS*, 175(5):1793–1804, MAY 2018a. ISSN 0033-4553. doi: {10.1007/s00024-017-1554-6}.
- S. Rosat, J. Hinderer, J. P. Boy, F. Littel, Jean-Daniel Bernard, D. Boyer, A. Memin, Y. Rogister, and S. Gaffet. A two-year analysis of the iOSG-24 superconducting gravimeter at the low noise underground laboratory (LSBB URL) of Rustrel, France: Environmental noise estimate. *JOURNAL OF GEODYNAMICS*, 119:1–8, SEP 2018b. ISSN 0264-3707. doi: {10.1016/j.jog.2018.05.009}.
- Severine Rosat, Marta Calvo, and Sebastien Lambert. Detailed Analysis of Diurnal Tides and Associated Space Nutation in the Search of the Free Inner Core Nutation Resonance. In Freymueller, JT and Sanchez, L, editor, *INTERNATIONAL SYMPOSIUM ON EARTH AND ENVIRONMENTAL SCIENCES FOR FUTURE GENERATIONS*, volume 147 of *International Association of Geodesy Symposia*, pages 147–153. Int Assoc Geodesy; Int Union Geodesy & Geophysics, 2018c. ISBN 978-3-319-69170-1. doi: {10.1007/1345_2016_224}. 26th IAG General Assembly of the International-Union-of-Geodesy-and-Geophysics (IUGG) on Earth and Environmental Sciences for Future Generations, Prague, CZECH REPUBLIC, JUN 22-JUL 02, 2015.
- Cheng-Gang Shao, Ya-Fen Chen, Rong Sun, Lu-Shuai Cao, Min-Kang Zhou, Zhong-Kun Hu, Chenghui Yu, and Holger Mueller. Limits on Lorentz violation in gravity from worldwide superconducting gravimeters. *PHYSICAL REVIEW D*, 97(2), JAN 17 2018. ISSN 2470-0010. doi: {10.1103/PhysRevD.97.024019}.
- G. M. Shved, G. S. Golitsyn, S. I. Ermolenko, and A. E. Kukushkina. Relationship of the Long-Period Free Oscillations of the Earth with Atmospheric Processes. *DOKLADY EARTH SCIENCES*, 481(1):958–962, JUL 2018. ISSN 1028-334X. doi: {10.1134/S1028334X18070292}.
- E. A. Spiridonov, V. D. Yushkin, O. Yu. Vinogradova, and L. V. Afanasyeva. The Atlantida 3.1.2014 Program for Earth Tide Prediction: New Version. *SEISMIC INSTRUMENTS*, 54(6):650–661, DEC 2018. ISSN 0747-9239. doi: {10.3103/S0747923918060129}.
- Peter Varga, Erik Grafarend, and Johannes Engels. Relation of Different Type Love-Shida Numbers Determined with the Use of Time-Varying Incremental Gravitational Potential. *PURE AND APPLIED GEOPHYSICS*, 175(5):1643–1648, MAY 2018. ISSN 0033-4553. doi: {10.1007/s00024-017-1532-z}.

- Heikki Virtanen and Arttu Raja-Halli. Parallel Observations with Three Superconducting Gravity Sensors During 2014-2015 at Metsahovi Geodetic Research Station, Finland. *PURE AND APPLIED GEOPHYSICS*, 175(5):1669–1681, MAY 2018. ISSN 0033-4553. doi: {10.1007/s00024-017-1719-3}.
- Qiyu Wang, Jinyang Feng, Shaokai Wang, Wei Zhuang, Yang Zhao, Lishuang Mou, and Shuqing Wu. Calibration of the superconducting gravimeter based on a cold atom absolute gravimeter at NIM. *CHINESE PHYSICS B*, 27(12), DEC 2018. ISSN 1674-1056. doi: {10.1088/1674-1056/27/12/123701}.
- A. Weise and Th. Jahr. The Improved Hydrological Gravity Model for Moxa Observatory, Germany. *PURE AND APPLIED GEOPHYSICS*, 175(5):1755–1763, MAY 2018. ISSN 0033-4553. doi: {10.1007/s00024-017-1546-6}.
- H. Wilmes, L. Vitushkin, V. Palinkas, R. Falk, H. Wziontek, and S. Bonvalot. Towards the Definition and Realization of a Global Absolute Gravity Reference System. In Freymueller, JT and Sanchez, L, editor, *INTERNATIONAL SYMPOSIUM ON EARTH AND ENVIRONMENTAL SCIENCES FOR FUTURE GENERATIONS*, volume 147 of *International Association of Geodesy Symposia*, pages 25–29. Int Assoc Geodesy; Int Union Geodesy & Geophysics, 2018. ISBN 978-3-319-69170-1. doi: {10.1007/1345_2016_245}. 26th IAG General Assembly of the International-Union-of-Geodesy-and-Geophysics (IUGG) on Earth and Environmental Sciences for Future Generations, Prague, CZECH REPUBLIC, JUN 22-JUL 02, 2015.
- Liu XiKai, Ma Dong, Chen Liang, and Liu XiangDong. Progress in the development of a wide-band superconducting gravimeter. *CHINESE JOURNAL OF GEOPHYSICS-CHINESE EDITION*, 61(7): 3037–3043, JUL 2018. ISSN 0001-5733. doi: {10.6038/cjg2018K0773}.
- Aopeng Xu, Zhaoying Wang, Delong Kong, Zhijie Fu, and Qiang Lin. A new ellipse fitting method of the minimum differential-mode noise in the atom interference gravimeter. *CHINESE PHYSICS B*, 27(7), JUL 2018. ISSN 1674-1056. doi: {10.1088/1674-1056/27/7/070203}.
- Hongjuan Yu, Jinyun Guo, Qiaoli Kong, and Xiaodong Chen. Gravity Tides Extracted from Relative Gravimeter Data by Combining Empirical Mode Decomposition and Independent Component Analysis. *PURE AND APPLIED GEOPHYSICS*, 175(5):1683–1697, MAY 2018. ISSN 0033-4553. doi: {10.1007/s00024-018-1864-3}.
- Shi-Yu Zeng and Wen-Bin Shen. Observations of the Singlets of Higher-Degree Modes Based on the OSE. *JOURNAL OF EARTH SCIENCE*, 29(6):1398–1408, DEC 2018. ISSN 1674-487X. doi: {10.1007/s12583-017-0810-0}.
- Kun Zhang, Ziwei Liu, Xiaotong Zhang, and Ying Jiang. Comparison of noise-levels between superconducting gravimeter and gPhone gravimeter. *GEODESY AND GEODYNAMICS*, 9(6):498–503, NOV 2018. ISSN 1674-9847. doi: {10.1016/j.geog.2018.09.002}.