

Publications

Dipl.-Ing. Ing. Dr.techn. Hana Krásná (née Špičáková)



PUBLISHED PAPERS

INTERNATIONAL PEER-REVIEWED JOURNAL ARTICLES

Sun J., J. Böhm, T. Nilsson, **H. Krásná**, S. Böhm, H. Schuh (2013). *New VLBI2010 scheduling strategies and implications on the terrestrial reference frames*. Journal of Geodesy. (submitted).

Krásná H., C. Tierno Ros, P. Pavetich, J. Böhm, T. Nilsson, H. Schuh (2013). *Investigation of crustal motion in Europe by analysing the European VLBI sessions*. Acta Geodaetica et Geophysica 48/4. DOI: 10.1007/s40328-013-0034-4. pp. 389-404.

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Krásná H., J. Böhm, H. Schuh (2013). *Free core nutation observed by VLBI*. Astronomy & Astrophysics 555, A29. DOI: 10.1051/0004-6361/201321585. pp. 1-5.

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Spicakova H., J. Böhm, P.J. Mendes Cerveira, H. Schuh (2009). *Determination of degree-2 Love and Shida numbers from VLBI*. Bulletin d'Information des Marées Terrestres BIM 145. Jean-Pierre Barriot (ed.). ISSN 0542-6766. pp. 11679-11685.

Mendes Cerveira P.J., **H. Spicakova**, H. Schuh, T. Kluegel, U. Schreiber, A. Velikoseltsev (2007). *Earth rotation parameters from Very Long Baseline Interferometry and Ringlaser observables*. Advances in Geosciences. Vol.13: Solid Earth. Kenji Satake (ed.). pp. 155-165.

Dissertation

Krásná H. (2013). Estimation of solid Earth tidal parameters and FCN with VLBI. *Geowissenschaftliche Mitteilungen* 91. ISSN 1811-8380. p. 158.

Book chapter

Wijaya D., J. Böhm, M. Karbon, **H. Krásná**, H. Schuh (2013). *Atmospheric Pressure Loading*. In: "Atmospheric Effects in Space Geodesy", J. Böhm, H. Schuh (eds); Springer Verlag. DOI:10.1007/978-3-642-36932-2_4. ISBN: 978-3-642-36931-5. pp. 137-157.

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Krásná H., Z. Malkin, J. Böhm (2014). *Impact of seasonal station displacement models on radio source positions*. Proceedings of the Journées 2013 "Systèmes de référence spatio-temporels". (Submitted).

Malkin Z., J. Sun, J. Böhm, S. Böhm, **H. Krásná** (2013). *Searching for an Optimal Strategy to Intensify Observations of the Southern ICRF sources in the framework of the regular IVS observing programs*. Proceedings of the 21st meeting of the European VLBI group for Geodesy and Astronomy. N. Zubko and M. Poutanen (eds). Reports of the Finnish Geodetic Institute. ISBN: 978-951-711-296-3. pp. 199-203.

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Böhm J., K. Lagler, M. Schindelegger, **H. Krásná**, R. Weber, G. Möller (2013). *GPT2: An improved model for tropospheric slant delays in VLBI and GNSS analysis*. ENC 2013: The

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Schuh H., J. Böhm, S. Böhm, M. Madzak, V. Nafisi, T. Nilsson, A. Pany, L. Plank, **H. Spicakova**, J. Sun, C. Tierno Ros (2012). *Vienna IGG Special Analysis Center Annual Report 2011*. In: IVS 2011 Annual Report, K.D. Baver and D. Behrend (eds.), NASA/TP- 2012-217505. pp. 220 - 223.

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ORAL PRESENTATIONS

Krásná H., Z. Malkin, J. Böhm. *Impact of seasonal station displacement models on radio source positions*. Journées 2013, Paris, France. September 16-18, 2013

Krásná H. *Introduction to VieVS, general overview*. 4th VieVS User Workshop, Vienna, Austria. September 9-10, 2013.

Krásná H. *Vie_MOD_V21, station corrections*. 4th VieVS User Workshop, Vienna, Austria. September 9-10, 2013.

Sun J., **H. Krásná**. *Vie_SCHED_V21*. 4th VieVS User Workshop, Vienna, Austria. September 9-10, 2013.

Krásná H. *Vie_GLOB_V21*. 4th VieVS User Workshop, Vienna, Austria. September 9-10, 2013.

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Krásná H., S. Böhm. *Tidal effects in space geodesy*. Current research seminar, TU Wien, May 8, 2013. **(invited)**

Krásná H. *Integrated VLBI*. International Workshop, Advanced Geodesy, Hohe Wand, Austria. May 13-15, 2013.

Böhm J., K. Lagler, M. Schindelegger, **H. Krásná**, R. Weber, G. Möller. *GPT2: An improved blind model for tropospheric slant delays in VLBI and GNSS analysis*. ENC 2013: The European Navigation Conference, Vienna, Austria. April 23-25, 2013.

Krásná H., S. Böhm, H. Schuh. *Tidal effects in space geodesy*. 17th International Symposium on Earth Tides. Warsaw, Poland. April 15-19, 2013. **(invited)**

Krásná H., J. Böhm, H. Schuh. *Free Core Nutation parameters from VLBI*. 17th International Symposium on Earth Tides. Warsaw, Poland. April 15-19, 2013.

Böhm J., C. Tierno Ros, J. Sun, S. Böhm, **H. Krásná**, T. Nilsson. *VLBI scheduling options and implications on reference frames - a VLBI2010 perspective*. EGU General Assembly 2013, Vienna, Austria. April 07-12, 2013.

Collilieux X., Z. Altamimi, L. Métivier, T. van Dam, G. Appleby, J. Böhm, R. Dach, M. Fritsche, R. Govind, R. Koenig, **H. Krásná**, M. Kuzmich-Cieslak, S. Lambert, F.G. Lemoine, C. Luceri, D. MacMillan, M. Mareyen, E. Pavlis, D. Thaller. *Using non-tidal atmospheric loading model in space geodetic data processing: Preliminary results of the IERS analysis campaign*. EGU General Assembly 2013, Vienna, Austria. April 07-12, 2013.

Krásná H., J. Böhm, R. Haas, H. Schuh. *Zonal Love numbers estimated by VLBI*. 21st Meeting of the EVGA, Espoo, Finland. March 5-8, 2013.

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Malkin Z., J. Sun, J. Böhm, S. Böhm, **H. Krásná**. *Searching for optimal strategy to intensify observations of the Southern ICRF sources in the framework of the regular IVS observing programs*. 21st Meeting of the EVGA, Espoo, Finland. March 5-8, 2013.

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Spicakova H. *Global VLBI solutions with VieVS*. International Workshop Advanced Geodesy 2011, Hohe Wand, Austria. April 27-29, 2011.

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Böhm J., **H. Spicakova**, L. Urquhart, P. Steigenberger, H. Schuh. *Impact of a priori gradients on VLBI- and GNSS-derived reference frames*. 20th EVGA Meeting, Bonn, Germany. March 29-31, 2011.

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Spicakova H. *Results obtained using VieVS: Love numbers and FCN period*. 1st VieVS User Workshop, Vienna, Austria. September 7-9, 2010.

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van Dam T., J. Böhm, **H. Spicakova**, X. Collilieux. *Recent developments in modeling atmospheric loading effects: topography, reference pressure, and S1/S2*. IGS Analysis Workshop, Newcastle, Great Britain. June 27 - July 02, 2010. In: IGS Workshop 2010 and Vertical Rates Symposium, (2010), p. 52.

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Böhm J., **H. Spicakova**, L. Plank, K. Teke, A. Pany, J. Wresnik, S. Englich, H. Schuh, T. Hobiger, R. Ichikawa, Y. Koyama, T. Gotoh, T. Otsubo, T. Kubooka. *Plans for the Vienna VLBI Software VieVS*. 19th VLBI for Geodesy and Astrometry Working Meeting (EVGA), Bordeaux, France. March 23-28, 2009.

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POSTER PRESENTATIONS

Krásná H., J. Böhm. *Impact of seasonal station motion on global reference frames and Earth rotation*. AGU Fall Meeting. San Francisco, December 9-13, 2013.

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Richard J.-Y., M. Seitz, R. Biancale, D. Gambis, S. Loyer, L. Soudarin, D. Thaller, T. Springer, R. Koenig, C. Sciaretta, **H. Spicakova**, M. Lytvyn. *IERS Working group on Combination of Space Geodetic Techniques at the Observation Level (COL)*. EGU General Assembly 2011, Vienna, Austria. April 3-8, 2011.

Plank L., J. Böhm, **H. Spicakova**, T. Nilsson, A. Pany, H. Schuh. *Simulated effects of the chosen analysis set-up on a VLBI determined TRF/CRF*. REFAG 2010, Marne-La Vallée, France. October 4-8, 2010. In: IAG Commission 1 Symposium 2010.

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Vienna, January 07th, 2014