

## Bibliography

### 1. Introduction

The following bibliography compiles papers that were published in the field of geodetic and astrometric VLBI during the year 2008. There is no distinction between peer-reviewed, reviewed or proceedings publications. This list is by no means exhaustive.

### 2. Geodetic and Astrometric VLBI Publications of 2008

- Y. AILI, N. WANG: "Nanshan VLBI Station Report for 2007". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 106–108, 2008.
- P.H. ANDERSEN: "FFI Analysis Center". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 191–192, 2008.
- P.H. ANDERSEN: "FFI Technology Development Center – Software Development". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 249, 2008.
- T. ARTZ, S. BÖCKMANN, A. NOTHNAGEL, V. TESMER: "Comparison and Validation of VLBI Derived Polar Motion Estimates". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 324–328, 2008.
- C. BARACHE: "Paris Observatory (OPAR) Data Center". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 172–174, 2008.
- D. BEHREND: "Coordinating Center Report". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 13–15, 2008.
- A. BERTARINI, W. ALEF, B. COREY, A. NOTHNAGEL, C. WALKER: "Effects on the Geodetic-VLBI Measurables due to Polarization Leakage in the Receivers". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 53–62, 2008.
- A. BERTARINI, A. MÜSKENS, W. ALEF: "The Bonn Astro/Geo Mark IV Correlator". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 135–138, 2008.
- G. BIANCO, G. COLUCCI, F. SCHIAVONE: "Matera CGS VLBI Station". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 63–66, 2008.
- C. BIZOUARD, O. BECKER: "WEB Tools and WEB Service of the IERS Earth Orientation Centre". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 199–202,

- 2008.
- D. BOBOLTZ, A. FEY, J. BARTLETT, Z. DUGAN, K. KINGHAM, D. HALL: "U.S. Naval Observatory VLBI Analysis Center". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 238–241, 2008.
- S. BÖCKMANN, A. NOTHNAGEL: "The Variance Component Approach in the IVS Combination". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 329–334, 2008.
- J. BÖHM, P.J. MENDES CERVEIRA, S. ENGLICH, H. SCHUH: "Atmosphere Angular Momentum Time Series for CONT05". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 14–18, 2008.
- S. BOLOTIN, S. LYTVYN: "Comparison of Radio Source Positions from Individual Solutions". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 270–274, 2008.
- S. BOLOTIN, Y. YATSKIV, S. LYTVYN: "IVS Analysis Center at Main Astronomical Observatory of National Academy of Sciences of Ukraine". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 218–219, 2008.
- G. BOURDA, P. CHARLOT, R. PORCAS, S. GARRINGTON: "Multi-step VLBI Observations of Weak Extragalactic Radio Sources to Align the ICRF and the Future GAIA Frame". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 25–29, 2008.
- R. CAMPBELL, A. SZOMORU: "The EVN Mark IV Data Processor at JIVE and e-VLBI Developments in the EVN". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 119–123, 2008.
- N. CAPITAINE, P.M. MATHEWS, V. DEHANT, P.T. WALLACE, S. LAMBERT: "Comparisons of Precession-Nutation Models". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 221–230, 2008.
- D. CHALMERS, G. LACY, P. DEWDNEY, W. PETRACHENKO, G. HOVEY: "Composite Applications for Radio Telescopes". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 371–375, 2008.
- P. CHARLOT: "Astrophysical Stability of Radio Sources and Implication for the Realization of the Next ICRF". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 345–354, 2008.
- P. CHARLOT, A. BELLANGER, G. BOURDA, A. COLLIoud, A. BAUDRY: "Bordeaux Observatory Analysis Center Report". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 181–184, 2008.
- A. COLLIoud, P. CHARLOT: "Imaging Capabilities of the Next Generation VLBI System". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein

- and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 433–438, 2008.
- F. COLOMER, P. DE VICENTE, J. GÓMEZ-GONZÁLEZ, J.A. LÓPEZ-FERNÁNDEZ: “Observatorio Astronómico Nacional – Yebes”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 117–120, 2008.
- L. COMBRINCK, M. NICKOLA: “Hartebeesthoek Radio Astronomy Observatory (HartRAO)”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 45–48, 2008.
- H. DIGRE: “Ny-Ålesund 20 Metre Antenna”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 75–77, 2008.
- K. DOI, K. SHIBUYA: “JARE Syowa Station 11-m Antenna, Antarctica”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 94–97, 2008.
- A. DYAKOV, S. SMOLENSEV: “Zelenchukskaya Radio Astronomical Observatory”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 121–123, 2008.
- S. ENGLICH, R. HEINKELMANN, H. SCHUH: “Re-assessment of Ocean Tidal Terms in High-Frequency Earth Rotation Variations Observed by VLBI”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 314–318, 2008.
- S. ENGLICH, R. WEBER, H. SCHUH: “Empirical Validation of the Conventional Model for Length of Day Variations due to Zonal Tides”. In: Proceedings of the “Journées Systèmes de Référence Spatio-Temporels 2007”, The Celestial Reference Frame for the Future, edited by N. Capitaine, Observatoire de Paris, ISBN 978-2-901057-59-8, 184–187, 2008.
- A. FEY, D. BOBOLTZ, R. OJHA, R. GAUME, K. KINGHAM: “USNO Analysis Center for Source Structure Report”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 242–244, 2008.
- A. FINKELSTEIN, A. IPATOV, S. SMOLENSEV: “The Network ‘Quasar’: 2008–2011”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 39–46, 2008.
- A. FINKELSTEIN, E. SKURIKHINA, I. SURKIS, A. IPATOV, I. RAHIMOV, S. SMOLENSEV: “QUASAR National Programs of EOP Determination”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 319–323, 2008.
- S. GARCÍA-ESPADA, R. HAAS, F. COLOMER: “Space Geodesy at Yebes: Station Motion from VLBI and GPS”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 93–97, 2008.
- I. GAYAZOV, E. SKURIKHINA: “Local Ties between Co-located Space Geodetic Instruments at QUASAR Network Observatories”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 82–86, 2008.

- J. GIPSON: "IVS Working Group 4 on VLBI Data Structures". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 143–152, 2008.
- J. GIPSON, D. MACMILLAN, L. PETROV: "Improved Estimation in VLBI through Better Modeling and Analysis". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 157–162, 2008.
- Y. GNEDIN: "VLBI as a Tool to Connect Astrometry and Astrophysics". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 139–142, 2008.
- A.-M. GONTIER, S. LAMBERT, C. BARACHE: "Paris Observatory Analysis Center OPAR: Report on Activities, January–December 2007". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 224–227, 2008.
- D. GORDON, C. MA, J. GIPSON, L. PETROV, D. MACMILLAN: "On Selection of 'Defining' Sources for ICRF-2". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 261–264, 2008.
- D. GORDON, C. MA, D. MACMILLAN, L. PETROV, J. GIPSON, K. BAVER: "GSFC VLBI Analysis Center". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 197–199, 2008.
- V. GUBANOV: "The Phase Variations of Retrograde Free Core Nutation". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 231–235, 2008.
- R. HAAS, G. ELGERED: "The IVS Network Station Onsala Space Observatory". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 82–85, 2008.
- R. HAAS, M. HAGSTRÖM, L.-G. GUNNARSSON, K.-Å. JOHANSSON, M. PANTALEEV, G. ELGERED: "The IVS Technology Development Center at the Onsala Space Observatory". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 261–263, 2008.
- R. HAAS, H.-G. SCHERNECK, T. NILSSON: "The IVS Analysis Center at the Onsala Space Observatory". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 228–231, 2008.
- H. HANADA, T. IWATA, N. KAWANO, N. NAMIKI, K. ASARI, Y. ISHIHARA, T. ISHIKAWA, F. KIKUCHI, Q. LIU, K. MATSUMOTO, H. NODA, S. TSURUTA, S. GOOSSENS, N. PETROVA, S. SASAKI, K. IWADATE, T. JIKE, O. KAMEYA, K. SHIBATA, Y. TAMURA, X. HONG, J. PING, Y. AILI, S. ELLINGSEN, W. SCHLÜTER: "VLBI Observations of SELENE (KAGUYA) by VERA and an International Network". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 445–449, 2008.
- H. HASE, R. DASSING, G. KRONSCHNABL, W. SCHLÜTER, W. SCHWARZ, R. KILGER, P. LAUBER, A. NEIDHARDT, K. PAUSCH, W. GÖLDI: "Twin Telescope Wettzell: a VLBI2010

- Radio Telescope Project". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 109–113, 2008.
- R. HEINKELMANN, J. BÖHM, H. SCHUH: "Effects of Surface Pressure and Temperature on the VLBI Reference Frame". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 188–192, 2008.
- R. HEINKELMANN, J. BÖHM, H. SCHUH: "Very Long Baseline Interferometry (VLBI) for Climate Studies". In: Proceedings of the Turkish National Geodetic Commission Scientific Meeting 2007, edited by M.O. Karslioglu, M. Nohutcu and E. Erdogan, 65–71, 2008.
- R. HEINKELMANN, J. FREYMUELLER, H. SCHUH: "A Postseismic Relaxation Model for the 2002 Denali Earthquake from GPS Deformation Analysis Applied to VLBI Data". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 335–340, 2008.
- E. HIMWICH: "Network Coordinator Report". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 18–25, 2008.
- E. HIMWICH, J. GIPSON: "GSFC Technology Development Center Report". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 250–252, 2008.
- T. HOBIGER, R. ICHIKAWA, T. KONDO, Y. KOYAMA: "Fast and Accurate Ray-tracing Algorithms for Real-time Space Geodetic Applications Using Numerical Weather Models". *Journal of Geophysical Research*, 113, D203027, 1–14, 2008. doi:10.1029/2008JD010503
- T. HOBIGER, R. ICHIKAWA, Y. KOYAMA, T. KONDO: "Real-time Ray-tracing through Numerical Weather Models for Space Geodesy". *IVS NICT Technology Development Center News*, No. 29, ISSN 1882-3440, 31–34, October 2008.
- T. HOBIGER, R. ICHIKAWA, Y. KOYAMA, T. KONDO: "Kashima Raytracing Service (KARATS) – On-line Provision of Total Troposphere Slant Delay Corrections for East Asian Sites". In: *Proceedings of the International Symposium on GPS/GNSS 2008*, 40–44, 2008.
- T. HOBIGER, R. ICHIKAWA, M. SEKIDO, H. TAKIGUCHI, T. KONDO, Y. KOYAMA: "Analysis Center at National Institute of Information and Communications Technology". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 220–223, 2008.
- T. HOBIGER, R. ICHIKAWA, T. TAKASU, Y. KOYAMA, T. KONDO: "Ray-traced Troposphere Slant Delays for Precise Point Positioning". *Earth Planets Space*, 60(5), e1–e4, 2008.
- T. HOBIGER, T. KONDO, Y. KOYAMA: "Constrained Simultaneous Algebraic Reconstruction Technique (C-SART) – A New and Simple Algorithm Applied to Ionospheric Tomography". *Earth Planets Space*, 60(7), 727–735, 2008.
- T. HOBIGER, Y. KOYAMA, T. KONDO: "MK3TOOLS – Seamless Interfaces for the Creation of VLBI Databases from Post-Correlation Output". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 153–156, 2008.

- T. HOBIGER, M. SEKIDO, Y. KOYAMA, T. KONDO: "Integer least-squares adjustment for VLBI". IVS NICT Technology Development Center News, No. 29, ISSN 1882-3440, 8–11, October 2008.
- X. HONG, Q. FAN, T. AN: "Sheshan VLBI Station Report for 2007". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 86–87, 2008.
- R. ICHIKAWA, M. BEVIS, J. FOSTER, N. MANNOJI: "Evaluation of Anisotropic Mapping Function Using JMA 10-km Spectral Model". Transactions of the Japan Society for Aeronautical and Space Sciences, 51(171), 16–21, 2008. DOI: 10.2322/tjsass.51.16
- R. ICHIKAWA, T. HOBIGER, Y. KOYAMA, T. KONDO: "Real-Time Ray-Tracing through Numerical Weather Models for Space Geodesy". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 168–172, 2008.
- R. ICHIKAWA, T. HOBIGER, Y. KOYAMA, T. KONDO: "An Evaluation of the Practicability of Current Mapping Functions Using Ray-traced Delays from JMA Mesoscale Numerical Weather Data". In: Proc. of the International Symposium on GPS/GNSS 2008, 3–7, 2008.
- R. ICHIKAWA, T. HOBIGER, Y. KOYAMA, T. KONDO: "A Comparison between Current Mapping Functions and Ray-traced Slant Delays from JMA Mesoscale Numerical Weather Data". IVS NICT Technology Development Center News, No. 29, ISSN 1882-3440, 3–7, October 2008.
- R. ICHIKAWA, A. ISHII, H. TAKIGUCHI, H. KUBOKI, M. KIMURA, J. NAKAJIMA, Y. KOYAMA, T. KONDO, M. MACHIDA, S. KURIHARA, K. KOKADO, S. MATSUZAKA: "Development of a Compact VLBI System for Providing over 10 km Baseline Calibration". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 400–404, 2008.
- A. ISHII, R. ICHIKAWA, H. TAKIGUCHI, H. KUBOKI, T. KONDO, Y. KOYAMA, M. MACHIDA, S. KURIHARA: "Current Status of Development of a Compact VLBI System for Providing over 10-km Baseline Calibration". IVS NICT Technology Development Center News, No. 29, ISSN 1882-3440, 19–22, October 2008.
- A. ISHII, R. ICHIKAWA, H. TAKIGUCHI, H. KUBOKI, M. SEKIDO, Y. KOYAMA, Y. OHUCHI: "Evaluation of a Laser-pumped Cs Gas-cell Frequency Standard on Geodetic VLBI". J. Geod. Soc. Jpn., 54(4), 259–268, 2008.
- D. IVANOV, A. VYTNOV: "Automatic System for Monitoring Hydrogen Masers in QUASAR VLBI Network". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 77–81, 2008.
- C. JACOBS: "JPL VLBI Analysis Center Report for 2007". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 214–218, 2008.
- C. JACOBS, O. SOVERS: "Extending the ICRF above S/X-band: X/Ka-band Global Astrometric Results". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 284–288, 2008.
- T. JIKE, S. MANABE, Y. TAMURA: "Results from K-band Geodetic VLBI Using VERA". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein

- and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 293–296, 2008.
- T. JIKE, S. MANABE, Y. TAMURA, M. SHIZUGAMI, VERA GROUP: “VERA Geodetic Activities”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 69–71, 2008.
- P. KAUFMANN, A.M. PEREIRA DE LUCENA, C.E. TATEYAMA, F.A.T.F. DA SILVA: “Fortaleza Station Report for 2007”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 37–40, 2008.
- E. KAWAI, J. NAKAJIMA, H. TAKEUCHI, H. KUBOKI, T. KONDO, M. SUZUKI, K. SAITO: “RFI Mitigation at a 2GHz Band by Using a Wide-band High-temperature Superconductor Filter”. *J. Geod. Soc. Jpn.*, 54(4), 31–37, 2008.
- M. KHARINOV, A. MIKHAILOV: “Single Dish Radiometric Observations of Geodetic Sources on Radio Telescopes of the QUASAR Network”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 72–76, 2008.
- R. KILGER, G. KRONSCHNABL, W. SCHLÜTER: “Fundamentalstation Wettzell – 20m Radiotelescope”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 113–116, 2008.
- K. KIM: “Kokee Park Geophysical Observatory”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 59–62, 2008.
- M. KIMURA: “Development of the Software Correlator for the VERA System III”. IVS NICT Technology Development Center News, No. 29, ISSN 1882-3440, 12–14, October 2008.
- K. KINGHAM, M.S. CARTER: “NEOS Operation Center”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 132, 2008.
- K. KINGHAM, D. HALL: “Washington Correlator”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 155–158, 2008.
- K. KINGHAM, D. HALL: “Equipment Failures, Chronic Station Problems, and RFI: Their Effects on Geodetic VLBI Data”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 47–52, 2008.
- K. KOKADO, M. MORITO, S. KURIHARA, S. MATSUZAKA: “Tsukuba 32-m VLBI Station”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 102–105, 2008.
- T. KONDO, Y. KOYAMA, R. ICHIKAWA, M. SEKIDO: “Technology Development Center at NICT”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 257–260, 2008.
- T. KONDO, Y. KOYAMA, R. ICHIKAWA, M. SEKIDO, E. KAWAI, M. KIMURA: “Development of the K5/VSSP System”. *J. Geod. Soc. Jpn.*, 54(4), 233–248, 2008.
- Y. KOYAMA: “Kashima and Koganei 11-m VLBI Stations”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-

- 2008-214162, 55–58, 2008.
- Y. KOYAMA, M. HOSOKAWA, K. IMAMURA, T. IWAMA, S. HAMA, J. AMAGAI, Y. HANADO, R. ICHIKAWA: “Status Report of Time and Frequency Activities at NICT”. In: Proceedings of the Asia-Pacific Workshop on Time and Frequency, Jakarta, Indonesia, 2008.
- Y. KOYAMA, T. KONDO, M. SEKIDO, M. KIMURA: “Developments of K5/VSI System for Geodetic VLBI Observations”. IVS NICT Technology Development Center News, No. 29, ISSN 1882-3440, 15–18, October 2008.
- Y. KOYAMA, T. KONDO, M. SEKIDO, J. NAKAJIMA, M. KIMURA, H. TAKEUCHI: “Adaption of the VLBI Standard Interface to the K5 VLBI System”. J. Geod. Soc. Jpn., 54(4), 249–258, 2008.
- Y. KOYAMA, M. SEKIDO, T. HOBIGER, H. TAKIGUCHI, T. KONDO: “Developments of an Automated Data Processing System for Ultra Rapid dUT1 e-VLBI Sessions”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 405–409, 2008.
- Y. KOYAMA, M. SEKIDO, H. TAKIGUCHI: “Data Center at NICT”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Bauer, NASA/TP-2008-214162, 168–171, 2008.
- G. KRASINSKY: “Secular Decrease of the Earth’s Ellipticity from the Analysis of VLBI Data of 1984–2006, and the Long-term Systematic Errors of the Precession-Nutation Models IAU2000 and IAU2006”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 211–220, 2008.
- G. KUDRYASHOVA, K. SNAJDROVA, R. WEBER, R. HEINKELMANN, H. SCHUH: “Combination of Nutation Time Series Derived from VLBI and GNSS”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 240–245, 2008.
- S. KURDUBOV, E. SKURIKHINA: “Source Selection for NNR Constraints from Source Position Time Series”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 279–283, 2008.
- S. LAMBERT, F. DELEFLIE, A.-M. GONTIER, P. BERIO, C. BARACHE: “The Astronomical Virtual Observatory and Application to Earth’s Sciences”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 203–206, 2008.
- S. LAMBERT, C. LE PONCIN-LAFITTE: “Measuring the Relativistic Parameter  $\gamma$  Using the Current Geodetic VLBI Data Set”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 341–344, 2008.
- R. LANOTTE, G. BIANCO, C. LUCERI: “Matera CGS VLBI Analysis Center”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Bauer, NASA/TP-2008-214162, 185–186, 2008.
- R. LANOTTE, M. PIRRI, G. BIANCO: “Matera Site Survey and VLBI Invariant Point Determination”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by

- A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 87–92, 2008.
- G. LANYI, D. BOBOLTZ, P. CHARLOT, A. FEY, E. FOMALONT, B. GELDZAHLER, D. GORDON, C. JACOBS, C. MA, C. NAUDET, J. ROMNEY, O. SOVERS, L. ZHANG: “Astrometry from VLBA Observations at 24 and 43 GHz”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 289–292, 2008.
- J. LI: “SHAO Analysis Center 2007 Annual Report”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 235–237, 2008.
- J. LI: “The Contribution of CVN to the CE-1 Mission”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 193–198, 2008.
- C. MA, D. GORDON, D. MACMILLAN, L. PETROV: “Some Challenges in Developing the Second ICRF”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 251–255, 2008.
- D. MACMILLAN: “Simulation Analysis of the Geodetic Performance of Networks of VLBI2010 Stations”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 416–420, 2008.
- Z. MALKIN: “Influence of Elevation-dependent Weighting on Parameter Estimates: A Case of CONT05”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 178–182, 2008.
- Z. MALKIN: “On Construction of ICRF-2”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 256–260, 2008.
- Z. MALKIN, J. SOKOLOVA, N. MILLER: “PUL IVS Analysis Center Report 2007”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 232–234, 2008.
- Z. MALKIN, O. TITOV: “Optical Characteristics of Astrometric Radio Sources”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 183–187, 2008.
- S. MATSUZAKA, H. SHIGEMATSU, S. KURIHARA, M. MACHIDA, K. KOKADO, D. TANIMOTO: “Ultra-rapid UT1 Measurements with e-VLBI”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 68–71, 2008.
- S. MATSUZAKA, K. WADA, E. IWATA, H. SHIGEMATSU, S. KURIHARA, M. MACHIDA, K. KOKADO, D. TANIMOTO: “The Past Decade of Tsukuba 32-m VLBI Station”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 104–108, 2008.
- S. MATSUZAKA, K. WADA, E. IWATA, H. SHIGEMATSU, S. KURIHARA, M. MACHIDA, K. KOKADO, D. TANIMOTO, K. NOZAWA: “VLBI Activities of Tsukuba 32-m Station and Tsukuba

- Correlator”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 98–103, 2008.
- P.J. MENDES CERVEIRA, S. ENGLICH, H. SCHUH, T. KLÜGEL, A. VELIKOSEL'TSEV, U. SCHREIBER: “How Can the Wettzell ‘G’ Ringlaser Improve VLBI Measurements of Subdiurnal Earth Rotation Variations?”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 19–24, 2008.
- N. MILLER, Z. MALKIN: “Using Singular Spectrum Analysis for the Investigation of Troposphere Parameters”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 302–306, 2008.
- I. MOLOTOV, M. NECHAEVA, I. FALKOVICH, A. KONOVALENKO, V. AGAPOV, G. TUCCARI, G. PUPILLO, S. MONTEBUGNOLI, G. KHARLAMOV, L. BENNER, V. FATEEV, Y. BURTSEV, A. VOLVACH, X. LIU, V. ORESHKO, I. SHMELDS, P. BOLLI, A. DEMENTIEV, A. ANTIPENKO, N. DUGIN, V. JAZYKOV, D. BEZRUKOV: “Astrometry of the Solar System Bodies with VLBI Radar”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 30–34, 2008.
- K. MOTOGI, Y. WATANABE, K. SORAI, A. HABE, M. HONMA, H. IMAI, A. YAMAUCHI, H. KOBAYASHI, K. FUJISAWA, T. OMODAKA, H. TAKABA, K.M. SHIBATA, T. MINAMIDANI, K. WAKAMATSU, H. SUDOU, E. KAWAI, Y. KOYAMA: “Microstructure and Kinematics of H<sub>2</sub>O Masers in the Massive Star Forming Region IRAS 06061+2151”. *Mon. Not. R. Astron. Soc.*, 390(2), 523–534, 2008.
- T. NAGAYAMA, K. TAKEDA, T. OMODAKA, H. IMAI, S. KAMENO, Y. SOFUE, A. DOI, K. FUJISAWA, A. HABE, M. HONMA, N. KAWAGUCHI, E. KAWAI, H. KOBAYASHI, Y. KOYAMA, Y. MURATA, K. SORAI, H. SUDOU, H. TAKABA, S. TAMURA, K. WAKAMATSU: “H<sub>2</sub>O Maser Outflow from the Red Supergiant Star NML Cygni Observed with Japanese VLBI Network”. *Publ. Astron. Soc. Jpn.*, 60, 1069–1075, 2008.
- M. NEGUSINI, P. SARTI, S. MONTAGUTI: “Italy INAF Data Center Report”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 166–167, 2008.
- M. NEGUSINI, P. SARTI, S. MONTAGUTI, C. ABBONDANZA: “Italy INAF Analysis Center Report”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 212–213, 2008.
- A. NIELL: “MIT Haystack Observatory Analysis Center”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 200–203, 2008.
- T. NILSSON, R. HAAS: “Modeling Tropospheric Delays with Atmospheric Turbulence Models”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 361–370, 2008.
- C. NOLL “CDDIS Data Center Summary for the 2007 IVS Annual Report”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 163–165, 2008.

- A. NOTHNAGEL: "Notes of the 9th IVS Analysis Workshop". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 465–467, 2008.
- A. NOTHNAGEL, A. BERTARINI, C. DULFER, T. ARTZ, J. WAGNER, G. MOLERA, J. RITAKARI: "Comparisons of Correlations Using Disk-Transfer and e-VLBI-Transfer". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 63–67, 2008.
- A. NOTHNAGEL, S. BÖCKMANN, T. ARTZ: "Analysis Coordinator Report". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 16–17, 2008.
- A. NOTHNAGEL, A. MÜSKENS: "The Bonn Geodetic VLBI Operation Center". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 127–128, 2008.
- A. NOTHNAGEL, M. ROTHACHER, D. ANGERMANN, T. ARTZ, S. BÖCKMANN, W. BOSCH, H. DREWES, M. GERSTL, R. KELM, M. KRÜGEL, D. KÖNIG, R. KÖNIG, B. MEISEL, H. MÜLLER, B. RICHTER, N. PANAFIDINA, S. RUDENKO, W. SCHWEGMANN, P. STEIGENBERGER, V. TESMER, D. THALLER: "GGOS-D: A German Project on the Integration of Space Geodetic Techniques". In: Proceedings of the "Journées Systèmes de Référence Spatio-Temporels 2007", The Celestial Reference Frame for the Future, edited by N. Capitaine, Observatoire de Paris, ISBN 978-2-901057-59-8, 167–168, 2008.
- A. NOTHNAGEL, D. SCHNELL: "The Impact of Polar Motion and Nutation Errors on UT1 Determinations from VLBI Intensive Observations". *Journal of Geodesy*, 82(12), 863–869, 2008. DOI: 10.1007/s00190-008-0212-2
- A. ORFEI, A. ORLATI, G. MACCAFERRI, F. MANTOVANI: "The Medicina Station Status Report". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 67–68, 2008.
- A. PANY, J. WRESNIK, J. BÖHM, H. SCHUH: "Vienna VLBI2010 PPP Simulations". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 427–432, 2008.
- S. PASYNOK: "Comparison of the Prediction Force of the Nutation Theories IAU 2000 and ERA-2005". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 236–239, 2008.
- B. PETRACHENKO: "Canadian VLBI Technology Development Center". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 247–248, 2008.
- B. PETRACHENKO, J. BÖHM, D. MACMILLAN, A. NIELL, A. PANY, A. SEARLE, J. WRESNIK: "VLBI2010 Antenna Slew Rate Study". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 410–415, 2008.
- M. POIRIER: "Westford Antenna". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 109–112, 2008.
- C.M. RAITERI, M. VILLATA, W.P. CHEN, W.S. HSIAO, O.M. KURTANIDZE, K. NILSSON,

- V.M. LARIONOV, M.A. GURWELL, I. AGUDO, H.D. ALLER, M.F. ALLER, E. ANGELAKIS, A.A. ARKHAROV, U. BACH, M. BOTTCHER, C.S. BUEMI, P. CALCIDESE, P. CHARLOT, E. FORNE, A. FRASCA, L. FUHRMANN, J. GOMEZ, V.A. HAGEN-THORN, S.G. JORSTAD, G.N. KIMERIDZE, T.P. KRICHBAUM, A. LAHTEENMAKI, L. LANTERI, G. LATEV, J.F. LE CAMPION, C.U. LEE, P. LETO, H.C. LIN, N. MARCHILI, E. MARILLI, A.P. MARSCHER, R. NESCI, E. NIEPPOLA, M.G. NIKOLASHILI, J. OHLERT, E. OVCHAROV, D. PRINCIPE, T. PURSIMO, B. RAGOZZINE, A.C. SADUN, L.A. SIGUA, R.L. SMART, A. STRIGACHEV, L.O. TAKALO, M. TAVANI, C. THUM, M. TORNIKOSKI, C. TRIGILIO, K. UCKERT, G. UMANA, A. VLACHEVA, S. VERCELLONE, A. VOLVACH, H. WIESEMAYER: "The High Activity of 3C 454.3 in Autumn 2007 Monitoring by the WEBT during the AGILE Detection". *Astronomy & Astrophysics*, 485(2), L17–L20, 2008.
- C.M. RAITERI, M. VILLATA, V.M. LARIONOV, M.F. ALLER, U. BACH, M. GURWELL, O.M. KURTANIDZE, A. LAHTEENMAKI, K. NILSSON, A. VOLVACH, H.D. ALLER, A.A. ARKHAROV, R. BACHEV, M. BÖTTCHER, C.S. BUEMI, P. CALCIDESE, E. COZZI, A. DI PAOLA, M. DOLCI, J.H. FAN, E. FORNE, L. FOSCHINI, A.C. GUPTA, V.A. HAGEN-THORN, M. KADLER, A. KOSTOV, T.P. KRICHBAUM, L. LANTERI, C.-U. LEE, P. LETO, F. MONTAGNI, R. NESCI, M.G. NIKOLASHVILI, J. OHLERT, A. OKSANEN, E. OVCHAROV, P. PAAKKONEN, T. PURSIMO, J.A. ROS, E. SEMKOV, R.L. SMART, A. STRIGACHEV, L.O. TAKALO, K. TORII, M. TORNIKOSKI, C. TRIGILIO, H. TSUNEMI, G. UMANA, A. VALCHEVA: "Radio-to-UV Monitoring of AO 0235+164 by the WEBT and Swift during the 2006–2007 Outburst". *Astronomy & Astrophysics*, 485(2), 339–347, 2008.
- J. REDMOND, M. EVANGELISTA: "Goddard Geophysical and Astronomical Observatory". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 41–44, 2008.
- B. REID, J. DICKEY, J. LOVELL, S. ELLINGSEN: "Hobart, Mt. Pleasant, Station Report for 2007". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 49–50, 2008.
- S. ROSAT, S. LAMBERT: "Earth's Interior from VLBI and Superconducting Gravimeter Data". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 246–250, 2008.
- C. RUSZCZYK: "Mark 5C Software Development Program". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 395–399, 2008.
- W. SCHLÜTER, C. PLÖTZ, R. WOJDZIAK: "German Antarctic Receiving Station (GARS) O'Higgins". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 78–81, 2008.
- H. SCHUH, D. BEHREND: "IVS Plans and Perspectives". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 3–7, 2008.
- H. SCHUH, J. BÖHM, S. ENGLICH, R. HEINKELMANN, P.J. MENDES CERVEIRA, A. PANY, E. TANIR, K. TEKE, S. TODOROVA, J. WRESNIK: "Vienna IGG Special Analysis Center Annual Report 2007". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 208–211, 2008.

- M. SEKIDO, T. KONDO, M. KIMURA, Y. KOYAMA: “VLBI Correlators in Kashima”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 147–150, 2008.
- M. SEKIDO, T. KONDO, J. WAGNER, T. HOBIGER, K. KOKADO, H. TAKIGUCHI, Y. KOYAMA, R. HAAS, J. RITAKARI, S. KURIHARA: “Development of e-VLBI Technologies for Ultra-rapid UT1 Measurement”. IVS NICT Technology Development Center News, No. 29, ISSN 1882-3440, 28–30, October 2008.
- M. SEKIDO, H. TAKIGUCHI, Y. KOYAMA, T. KONDO, R. HAAS, J. WAGNER, J. RITAKARI, S. KURIHARA, K. KOKADO: “Ultra-rapid UT1 Measurement by e-VLBI”. Earth Planets Space, 60, 865–870, 2008.
- H. SHIGEMATSU, E. IWATA, M. MACHIDA, K. WADA: “Tsukuba VLBI Correlator”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 151–154, 2008.
- E. SKURIKHINA, S. KURDUBOV, V. GUBANOV, G. KRASINSKY: “IAA VLBI Analysis Center Report 2007”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 204–207, 2008.
- S. SMOLENTSEV, I. RAHIMOV: “Svetloe Radio Astronomical Observatory”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 92–93, 2008.
- S. SMOLENTSEV, R. SERGEEV: “Badary Radio Astronomical Observatory”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 33–36, 2008.
- D. SMYTHE: “Mark 5 Disk Drive Performance and Reliability”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 386–389, 2008.
- S. SOBARZO, C. JARA, E. OÑATE, C. HERRERA, C. VERDUGO, H. HASE, A. BÖER, B. SIERK: “Geodetic Observatory TIGO in Concepción”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 98–101, 2008.
- J. SOKOLOVA, Z. MALKIN: “Comparison and Combination of CRF Catalogs”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 275–278, 2008.
- J. SOUCHAY, A. ANDREI, C. BARACHE, S. BOUQUILLON, A.-M. GONTIER, S. LAMBERT, C. LE PONCIN-LAFITTE, F. TARIS, E.F. ARIAS, D. SUCHET, M. BAUDIN: “The Large Quasar Astrometric Catalog and the Radio-Optical Link”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 297–301, 2008.
- I. SURKIS, A. BOGDANOV, A. FATEEV, A. MELNIKOV, V. SHANTYR, V. ZIMOVSKY: “IAA Correlator Center”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 143–146, 2008.
- I. SURKIS, V. ZIMOVSKY, A. MELNIKOV, V. SHANTYR, A. FATEEV, A. BOGDANOV: “The IAA RAS 6-station VLBI Correlator”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN

- 978-5-02-025332-2, 124–128, 2008.
- H. TAKIGUCHI, E. KAWAI, H. KUBOKI, T. KONDO: “Kashima 34-m Radio Telescope”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 51–54, 2008.
- H. TAKIGUCHI, Y. KOYAMA: “The 7th NICT IVS-TDC Symposium”. IVS NICT Technology Development Center News, No. 29, ISSN 1882-3440, 1–2, October 2008.
- H. TAKIGUCHI, Y. KOYAMA, R. ICHIKAWA, T. GOTOH, A. ISHII, T. HOBIGER, M. HOSOKAWA: “VLBI Measurements for Frequency Transfer”. In: Proceedings of the Asia-Pacific Workshop on Time and Frequency, Jakarta, Indonesia, 2008.
- H. TAKIGUCHI, Y. KOYAMA, R. ICHIKAWA, T. GOTOH, A. ISHII, T. HOBIGER, M. HOSOKAWA: “VLBI Measurements for Time And Frequency Transfer”. In: Proceedings of 22nd European Frequency and Time Forum, 2008.
- H. TAKIGUCHI, Y. KOYAMA, R. ICHIKAWA, T. GOTOH, A. ISHII, T. HOBIGER, M. HOSOKAWA: “Comparison Study of VLBI and GPS Carrier Phase Frequency Transfer using IVS and IGS data”. IVS NICT Technology Development Center News, No. 29, ISSN 1882-3440, 23–27, October 2008.
- K. TEKE, R. HEINKELMANN, J. BÖHM, H. SCHUH: “VLBI Baseline Length Repeatability Tests of IVS-R1 and IVS-R4 Session Types”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 173–177, 2008.
- V. TESMER, J. BÖHM, B. MEISEL, M. ROTHACHER, P. STEIGENBERGER: “Atmospheric Loading Coefficients Determined from Homogeneously Reprocessed GPS and VLBI Height Time Series”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 307–313, 2008.
- V. TESMER, H. DREWES, M. KRÜGEL: “DGFI Analysis Center Annual Report 2007”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 187–190, 2008.
- D. THALLER, V. TESMER, M. KRÜGEL, M. ROTHACHER, P. STEIGENBERGER: “Combining VLBI Intensive with GPS Rapid Solutions for Deriving a Stable UT Time Series”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 8–13, 2008.
- C. THOMAS, D. MACMILLAN: “CORE Operation Center Report”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 129–131, 2008.
- V. THORANDT, G. ENGELHARDT, D. ULLRICH: “Data Analysis at BKG in the Frame of IVS”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 163–167, 2008.
- V. THORANDT, A. NOTHNAGEL, G. ENGELHARDT, D. ULLRICH, T. ARTZ, S. BÖCKMANN, M. VENNEBUSCH: “The BKG/IGGB VLBI Analysis Center”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 193–196, 2008.

- V. THORANDT, R. WOJDZIAK: "BKG Data Center". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 161–162, 2008.
- O. TITOV: "Geoscience Australia Analysis Center". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 177–180, 2008.
- O. TITOV: "Systematic Effects in Apparent Proper Motions of Radio Sources". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 265–269, 2008.
- O. TITOV, S. GULYAEV, J. LOVELL, J. DICKEY: "Australian – New Zealand Geodetic VLBI Network Project". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 114–118, 2008.
- M. TITUS, R. CAPPALLO, B. COREY, K. DUDEVOIR, A. NIELL, A. WHITNEY: "Haystack Observatory VLBI Correlator". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 139–142, 2008.
- S. TODOROVA, T. HOBIGER, H. SCHUH: "Using the Global Navigation Satellite System and Satellite Altimetry for Combined Global Ionosphere Maps". Advances in Space Research, 42, 727–736, 2008.
- V. TORNATORE, G. TUCCARI, E. WEI: "First Considerations on the Feasibility of GNSS Observations by the VLBI Technique". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 439–444, 2008.
- M. TSUBOI, T. TOSAKI, N. KUNO, K. NAKANISHI, T. SAWADA, T. UMEMOTO, S.A. TRUSHKIN, T. KOTANI, N. KAWAI, Y. KURONO, T. HANDA, K. KOHNO, T. TSUKAGOSHI, O. KAMEYA, H. KOBAYASHI, K. FUJISAWA, A. DOI, T. OMODAKA, H. TAKABA, H. SUDOU, K. WAKAMATSU, Y. KOYAMA, E. KAWAI, N. MOCHIZUKI, Y. MURATA: "The 2006 Radio Outburst of a Microquasar Cyg X-3: Observation and Data". Publ. Astron. Soc. Jpn., 60, 465–473, 2008.
- G. TUCCARI: "Noto Station Status Report". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 72–74, 2008.
- G. TUCCARI, W. ALEF, A. BERTARINI, S. BUTTACCIO, D. GRAHAM, G. NICOTRA, A. ROY M. WUNDERLICH: "DBBC Development Status". In: "Measuring the Future", Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 376–380, 2008.
- M. VILLATA, C.M. RAITERI, V.M. LARIONOV, O.M. KURTANIDZE, K. NILSSON, M.F. ALLER, M. TORNOKOSKI, A. VOLVACH, H.D. ALLER, A.A. ARKHAROV, P. BELTRAME, G. BHATTA, C.S. BUEMI, M. BOTTCHER, P. CALCIDESE, D. CAROSATI, D. DARIO, A. DiPAOLO, M. DOLCI, E. FORNE, A. FRASCA, V.A. HAGEN-THORN, J. HEIDT, D. HIRIART, M. JELINEK, G.N. KIMERIDZE, T.S. KONSTANTINOVA, E.N. KOPATSKAYA, L. LANTERI, R. LIGUSTRI, E. LINDFORS, A. LAHTEENMAKI, E. MARILLI, E. NIEPPOLA, M.G. NIKOLASHILI, M. PASANEN, B. RAGOZZINE, J.A. ROS, L.A. SIGUA, R.L. SMART, M. SORCIA, L.O. TAKALO, M. TAVANI,

- C. TRIGILIO, R. TURCHETTI, K. UCKERT, G. UMANA, S. VERCELLONE, J.R. WEBB: "Multifrequency Monitoring of the Blazar 0716+714 during the GASP-WEBT-AGILE Campaign of 2007". *Astronomy & Astrophysics*, 481(2), L79–L82, 2008.
- A.E. VOLVACH, D. GRAHAM: "Simeiz VLBI Station—New Status". In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 88–91, 2008.
- A.E. VOLVACH, N.N. GOR-KAVYI, A.I. DMYTROTSYA, L.S. LEVITSKII: "Regions of the Earth with the Best-pronounced Annual Period of Seismic Activity". *Bulletin of the Crimean Astrophysical Observatory*, 104(1), 145–149, 2008.
- A.E. VOLVACH, M.G. LARIONOV: "RT-22 CrAO: from Simeiz Sky Search to RadioAstron Sources Sample". *Bulletin of the Crimean Astrophysical Observatory*, 104(5), 78–84, 2008.
- A.E. VOLVACH, M.G. LARIONOV, N.S. KARDASHEV, A. LAHTEENMAKI, M. TORNIKOSKI, T. HOVATTA, E. NIEPPOLA, I. TORNIAINEN, M.F. ALLER, H.D. ALLER: "Variability of Radio Flux of 0716+714". "Astronomy and Beyond: Astrophysics, Radioastronomy, Cosmology and Astrobiology", VIII Gamow's Odessa Astronomical Summer School-Conference Proceedings, Odessa, Ukraine, 19, 2008.
- A.E. VOLVACH, L.I. MATVEENKO: "RT-22 CrAO – 40 Years of VLBI". *Bulletin of the Crimean Astrophysical Observatory*, 104(5), 68–77, 2008.
- A.E. VOLVACH, V.A. SAMODUROV, A.M. TOLMACHEV, L.N. VOLVACH, I.A. SUBAEV, G.M. RUDNITSKIJ, M.I. PASHCHENKO: "RT-22 CrAO and RT-22 PRAO Investigations of the Maser Sources Variability". *Radio Physics and Radio Astronomy*, 13(3), 86–91, 2008.
- A.E. VOLVACH, L.N. VOLVACH, N.S. KARDASHEV, M.G. LARIONOV: "Studies of Sources from the WMAP Catalog". *Astronomy Reports*, 52(6), 429–441, 2008.
- A.E. VOLVACH, L.N. VOLVACH, M.G. LARIONOV, M.F. ALLER, H.D. ALLER, M. VILLATA, C.M. RAITERI: "Blazar 3C 454.3 – The 2004–2007 Outburst in the Optical and Radio Ranges". In: Proceedings of the 18th International Conference "Microwave & Telecommunication Technology", Sevastopol, Crimea, Ukraine, ISBN 978-966-335-168-1, IEEE Catalog Number CFP08788, 867–868, 2008.
- A.E. VOLVACH, L.N. VOLVACH, M.G. LARIONOV, M.F. ALLER, H.D. ALLER, M. VILLATA, K.M. RAITERI: "Correlations Between the Development of a Flare in the Blazar 3C 454.3 in the Radio and Optical". *Astronomy Reports*, 52(11), ISSN 1063-7729, 867–874, 2008. DOI: 10.1134/S1063772908110012
- A.E. VOLVACH, L.N. VOLVACH, M.I. RYABOV, A.L. SUHAREV, H.D. ALLER, M.F. ALLER: "Peculiarities of the Flux Density Spectral and Time Variability of the Quasar 3C345 Found through the mm and cm Long-term Data Observations". *Radio Physics and Radio Astronomy*, Kharkiv, Ukraine, 13(3), 81–85, 2008.
- A.E. VOLVACH, L.N. VOLVACH, M.I. RYABOV, A.L. SUHAREV, H.D. ALLER, M.F. ALLER: "Spectral and Temporal Characteristics of the Flux of Quasar 3C 345 at mm and cm Wavelengths: The 'Secular' Changes and the Features of the Cycles of Activity". In: "Astronomy and Beyond: Astrophysics, Radioastronomy, Cosmology and Astrobiology", VIII Gamow's Odessa Astronomical Summer School-Conference Proceedings, Odessa, Ukraine, 19, 2008.
- L.N. VOLVACH, V.M. SHULGA, A.E. VOLVACH: "Some Results of Observations of H<sub>2</sub>O (1.35 cm) Maser Sources Using the RT-22 CrAO in 2007". In: Proceedings of the 18th International

- Conference “Microwave & Telecommunication Technology”, Sevastopol, Crimea, Ukraine, ISBN 978-966-335-168-1, IEEE Catalog Number CFP08788, 856–866, 2008.
- O.E. VOLVACH, L.N. VOLVACH, V.S. BICHKOVA, M.S. KARDASHEV, M.G. LARIONOV, V.V. VLASYUK, O.I. SPIRIDONOVA: “Synchronous Observations of the Intraday Variability of Active Galactic Nuclei in Optical and Radio Ranges”. In: Proceedings of the 18th International Conference “Microwave & Telecommunication Technology”, Sevastopol, Crimea, Ukraine, ISBN 978-966-335-168-1, IEEE Catalog Number CFP08788, 869–871, 2008.
- O.E. VOLVACH, L.N. VOLVACH, V.S. BYCHKOVA, M.S. KARDASHEV, M.G. LARIONOV, V.V. VLASYUK, O.I. SPIRIDONOVA: “Investigations of the Intraday Variability of Active Galactic Nuclei in Optical and Radio Ranges”. Radio Physics and Radio Astronomy, Kharkiv, Ukraine, 13(3), 35–42, 2008.
- E. WEI, J. LIU, V. TORNATORE, C. SHI, W. YAN: “On the Space VLBI Mathematical Model with Nutation Parameters”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 455–460, 2008.
- A. WHITNEY: “IVS Technology Coordinator Report”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 26–29, 2008.
- A. WHITNEY: “The Mark 5C VLBI Data System”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 390–394, 2008.
- A. WHITNEY, A. NIELL: “Haystack Observatory Technology Development Center”. In: International VLBI Service for Geodesy and Astrometry 2007 Annual Report, edited by D. Behrend and K. Baver, NASA/TP-2008-214162, 253–256, 2008.
- J. WRESNIK, J. BÖHM, A. PANY, H. SCHUH: “VLBI2010 Simulations at IGG Vienna”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 421–426, 2008.
- X. ZHANG, W. WEI, Y. XIANG, B. LI, F. SHU, R. ZHU, Z. XU, Z. CHEN, W. WANG, W. ZHENG, Z. XUE, Q. LING, R. ZHAO, J. WANG, Q. FAN, Y. AILI, H. LI, Y. WU, L. CHEN, J. LUO: “Progress of Wideband VLBI Digital System Development at SHAO”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 381–385, 2008.
- V. ZHAROV, L. MATVEENKO: “VLBI and Precise Space Navigation”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 450–454, 2008.
- W. ZHENG, W. LUO: “CVN Software Correlator Development and Applications in the Chinese Lunar Exploration Mission”. In: “Measuring the Future”, Proceedings of the Fifth IVS General Meeting, edited by A. Finkelstein and D. Behrend, Nauka, Saint Petersburg, ISBN 978-5-02-025332-2, 129–133, 2008.