

Списък с цитирания на статии

на главен асистент д-р Борислав Андонов Андонов

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Забелязани са общо **97** цитата.

1. Mukhtarov, Pl., **Andonov, B.**, Borries, C., Pancheva, D., Jakowski, N. Forcing of the ionosphere from above and below during the Arctic winter of 2005/2006 (**2010**) Journal of Atmospheric and Solar-Terrestrial Physics, 72 (2-3), pp. 193-205.

цитирана в:

- 1.1. Conde, M.G. and M.J. Nicolls: Thermospheric temperature above Poker Flat, Alaska, during the stratospheric warming event of January and February, 2009, *J. Geophys. Res.*, v. 115, D00N05, doi:10.1029/2009JD014280, 2010 (IF=3.303).

- 1.2. Polekh, N.M., G.V. Vergasova, E.S. Kazimirovsky, N.P. Perevalova, V.I. Kurkin, and M.A. Chernigorskaya: The planetary wave activity in temperature of the stratosphere, mesosphere and in the critical frequencies of ionospheric F2 layer, *Int. J. Geophys.*, v. 2011, ID341935, pp. 1-7, doi:10.1155/341935, 2011.

2. Pancheva, D., Mukhtarov, P., **Andonov, B.**, Forbes, J.M. Global distribution and climatological features of the 5-6-day planetary waves seen in the SABER/TIMED temperatures (2002-2007) (**2010**) Journal of Atmospheric and Solar-Terrestrial Physics, 72 (1), pp. 26-37.

цитирана в:

- 2.1. Bhagavathiammal, G., S. Sathishkumar, S. Sridharan, Manohar Lal, S. Gurubaran, and K. Nair First results on convectively generated Kelvin waves in the low-latitude mesosphere during Indian summer monsoon, *J. Atmos. Sol.-Terr. Phys.*, v. 72, pp. 1207-1211, 2010

(IF=1.579)

2.2. Borries, C. and P. Hoffman The characteristics of F2-layer planetary wave type oscillations in Northern middle and high latitudes during 2002 to 2008, *J. Geophys. Res.*, v. 115, A00G10, doi:10.1029/2009JA015456, 2010 (IF=3.303).

2.3. Borries, C. Untersuchungen zu Signaturen planetarischer Wellen in der Ionosphäre, Dissertation, Freie University Berlin, Berlin, November 10, 2010.

3. Kutiev, I., Muhtarov, P., **Andonov, B.**, Warnant, R. Hybrid model for nowcasting and forecasting the K index (2009) *Journal of Atmospheric and Solar-Terrestrial Physics*, 71 (5), pp. 589-596.

цитирана в:

3.1. Zhang Qing-Yan, Nowcasting of rainstorm based on Doppler radar and encrypted automatic observation stations, *2010 International Conference on Mechanic Automation and Control Engineering, MACE2010 2010*, Article number 5535981, Pages 5087-5090

3.2. Maija Mattinen, Modeling and Forecasting of Local Geomagnetic Activity *Master's Thesis submitted in partial fulfillment of the requirements for the degree of Master of Science in Technology in the Degree Programme in Engineering Physics AALTO UNIVERSITY School of Science and Technology Faculty of Information and Natural Sciences Helsinki, February 24, 2010*

4. Pancheva, D., Mukhtarov, P., **Andonov, B.** Nonmigrating tidal activity related to the sudden stratospheric warming in the Arctic winter of 2003/2004 (2009) *Annales Geophysicae*, 27 (3), pp. 975-987.

цитирана в:

4.1. Pedatella, N.M., J.M., Forbes: Evidence for stratosphere sudden warming-ionosphere coupling due to vertically propagating tides, *Geophys. Res. Lett.*, v. 37, L11104, doi:10.1029/2010GL043560, 2010 (IF=3.505)

5. Pancheva, D., Mukhtarov, P., **Andonov, B.** Global structure, seasonal and interannual variability of the migrating semidiurnal tide seen in the SABER/TIMED temperatures (2002-2007) (2009) *Annales Geophysicae*, 27 (2), pp. 687-703.

цитирана в:

- 5.1.** Pirscher, B., U. Foelsche, M. Borsche, G. Kirchengast, and Y.-H. Kuo: Analysis of migrating diurnal tides detected in FROMOSAT-3/COSMIC temperature data, *J. Geophys. Res.*, v. 115, D14108, doi:10.1029/2009JD013008, 2010 (IF=3.303)
- 5.2.** Manson, A., C. Meek, and X. Xu: Comment on "Global structure, seasonal and interannual variability of the migrating semidiurnal tide seen in the SABER/TIMED temperatures (2002-2007)" by Pancheva et al. (2009), *Ann. Geophys.*, v. 28 (2), pp. 665-676, 2010 (IF=1.62)
- 5.3.** Smith, A.K., D.R. Marsh, M.G. Mlynczak, and J.C. Mast: Temporal variation of atomic oxygen in the upper mesosphere from SABER, *J. Geophys. Res.*, v. 115, D18309, doi:10.1029/2009JD013434, 2010 (IF=3.303)
- 5.4.** Fritts, D.C., D. Janches, H. Iimura, W.K. Hocking, R.G. Stockwell, B. Fuller, B. Vandepeer, J. Hormaeche, C. Brunini, and H. Levato: Southern Argentina Agile Meteor Radar: System design and initial measurements of large-scale winds and tides, *J. Geophys. Res.*, v. 115, D18112, doi:10.1029/2010JD013850, 2010 (IF=3.303)
- 5.5.** Friedman, J.S., X. Zhang, X. Chub, J.M. Forbes: Low-latitude thermal semidiurnal tide: Longitudinal and seasonal variations based on ground-based measurements from Arecibo and Maui, space-based measurements by SABER, and modeling with GSWM-02, *Proceed. of SPIE – The International Society for Optical Engineering*, v. 7827, art. No 78270M, 2010.
- 5.6.** Ren, Zh., W. Wan, L. Liu, Y. Chen, and H. Le: Equinoctial asymmetry of ionospheric vertical plasma drifts and its effect on F-region plasma density, *J. Geophys. Res. – Space Physics*, v. 116, A02308, doi:10.1029/2010JA016081, 2011 (IF=3.303)
- 5.7.** Marsh, D.: Chemical-dynamical coupling in the mesosphere and lower thermosphere, in *Aeronomy of the Earth's Atmosphere and Ionosphere*, eds. Abdu, M. and D. Pancheva, pp. 3-17, Springer , 2011
- 5.8.** Meek, C.E., A.H. Manson, and J.R. Drummond: Test of diurnal and semidiurnal tidal analysis of temperatures from SABER-like sampling of a realistic global model, CMAM-DAS, *Ann. Geophys.*, v. 29, pp. 723-730, 2011 (IF=1.62)
- 5.9.** Xu, X., A.H. Manson, C.E. Meek, and J.R. Drummond: Quasi-biennial modulation of the wintertime Arctic temperatures as revealed by Aura-MLS measurements, *Geophys. Res. Lett.*, v. 38, L08806, doi:10.1029/2011GL047075, 2011 (IF=3.505)

5.10. Guharay, A and S. Franke: Characteristics of the semidiurnal tide in the MLT Maui (20.75N, 156.43W) with meteor radar observations, *J. Atmos. Sol-Terr. Phys.*, v. 73, No 5-6, pp. 678-685, 2011 (IF=1.579)

6. Mukhtarov, P., Pancheva, D., **Andonov, B.** Global structure and seasonal and interannual variability of the migrating diurnal tide seen in the SABER/TIMED temperatures between 20 and 120 km (**2009**) Journal of Geophysical Research A: Space Physics, 114 (2), art. no. A02309.

цитирана в:

6.1. Andrioli, V.F., B.R. Clemesha, P.P. Batista, and N.J. Schuch: Atmospheric tides and mean winds at meteor region over Santa Maria (29.7°S, 53.8°W), *J. Atmos. Sol.-Terr. Phys.*, v. 71, No 17/18, pp.1864-1876, 2009. (IF=1.667)

6.2. Liu, G., T. J. Immel, S. L. England, K. K. Kumar, and G. Ramkumar: Temporal modulations of the longitudinal structure in F₂ peak height in the equatorial ionosphere as observed by COSMIC, *J. Geophys. Res. – Space Physics*, v. 114, A04303, doi:10.1029/2009JA014829, 2009 (IF=3.147)

6.3. Huang, F. T., R.D. McPeters, P.K. Bhartia, H. G. Mayr, S.M. Frith, J.M. Russell III, M.G. Mlynczak, Temperature diurnal variations (migrating tides) in the stratosphere and lower mesosphere based on measurements from SABER on TIMED, *J. Geophys. Res.*, v. 115, D16121, doi:10.1029/2009JD013698, 2010 (IF=3.303)

6.4. Comberiate, J., L.J., Paxton: Global Ultraviolet Imager equatorial plasma bubble imaging and climatology, 2002-2007, *J. Geophys. Res.*, v.115, A04305, doi:10.1029/2009JA014707, 2010 (IF=3.303)

6.5. Dikty, S., Schmidt, H., Weber, M., Von Savigny, C., Mlynczak, M.G.: Daytime ozone and temperature variations in the mesosphere: A comparison between SABER observations and HAMMONIA model, *Atmos. Chem. Phys. Discussions*, v. 10 (1), pp. 2005-2029, 2010 (IF=5.309)

6.6. Pirscher, B., U. Foelsche, M. Borsche, G. Kirchengast, and Y.-H. Kuo: Analysis of migrating diurnal tides detected in FORMOSAT-3/COSMIC temperature data, *J. Geophys. Res.*, v.115, D14108, doi:10.1029/2009JD013008, 2010 (IF=3.303)

6.7. Fritts, D.C., D. Janches, H. Iimura, W.K. Hocking, R.G. Stockwell, B. Fuller, B. Vandepeer, J. Hormaeche, C. Brunini, and H. Levato: Southern Argentina Agile Meteor Radar:

System design and initial measurements of large-scale winds and tides, *J. Geophys. Res.*, v. 115, D18112, doi:10.1029/2010JD013850, 2010 (IF=3.303)

6.8. Ren, Zh., W. Wan, L. Liu, Y. Chen, and H. Le: Equinoctial asymmetry of ionospheric vertical plasma drifts and its effect on F-region plasma density, *J. Geophys. Res. – Space Physics*, v. 116, A02308, doi:10.1029/2010JA016081, 2011 (IF=3.303)

6.9. Mayr, H.G., J.G. Mendel, K.L. Chau, and F.T. Huang: Middle atmosphere dynamics in the numerical spectral model: Tides and planetary waves, *J. Atmos. Sol.-Terr. Phys.*, v. 73, pp. 711-730, 2011 (IF=1.579)

6.10. Azeem, I., J. French, E.R. Talaat, D.E. Siskind, and G.G. Sivjee: Mesospheric temperature enhancements over Antarctica during planetary wave surges in 2007, *J. Geophys. Res.*, v.116, doi:10.1029/2011JA016515, 2011 (IF=3.303)

6.11. Pham Thi Thu, H., C. Amory-Mazaudier, and M. Le Huy: Sq field characteristics at Phu Thuy, Vietnam, during solar cycle 23: comparisons with Sq field in other longitude sectors, *Ann. Geophys.*, v. 29, pp. 1-17, 2011 (IF=1, 62)

6.12. Mayr, H.G., J.G. Mengel, K.L. Chang and F.T. Huang: Middle atmosphere dynamics with gravity wave interactions: Tides and planetary waves, *J. Atmos. Sol.-Terr. Phys.*, v. 73, pp. 711-730, 2011. (IF=1.579)

6.13. John, S.R. and K.K. Kumar: TIMED/SABER observations of global cold point mesopause variability at diurnal and planetary wave scale, *J. Geophys. Res. – Space Physics*, v. 116, A06314, doi:10.1029/2010JA015945, 2011 (IF=3.303)

7. Pancheva, D., Mukhtarov, P., **Andonov, B.**, Mitchell, N.J., Forbes, J.M. Planetary waves observed by TIMED/SABER in coupling the stratosphere-mesosphere-lower thermosphere during the winter of 2003/2004: Part 2-Altitude and latitude planetary wave structure (**2009**) *Journal of Atmospheric and Solar-Terrestrial Physics*, 71 (1), pp. 75-87

цитирана в:

7.1. Xiao, C., X. Hu, and J. Tian: Global temperature stationary planetary waves extending from 20 -135 km observed by TIMED/SABER, *J. Geophys. Res. – Atmospheres*, v. 114, D17101, doi:10.1029/2008JD011349, 2009 (IF=3.147).

7.2. Alexander, S.P., M.G., Shepherd: Planetary wave activity in the Arctic and antarctic lower stratospheres during 2007 and 2008, *Atmos. Chem. Phys. Discussions*, 9 (4), pp. 14601-14643, 2009 (IF=4.927)

7.3. Iimura, H., D.C. Fritts, Q. Wu, W.R. Skinner, and S.E. Palo: Nonmigrating semidiurnal tides over Arctic determined from TIMED Doppler Interferometer Wind Observations, *J. Geophys. Res.*, v. 114, D06109, doi: 10.1029/2009JD012733, 2009 (IF=3.147).

7.4. Mbatha N., V. Sivakumar, S.B. Malinga, H. Bencherif, and S.R. Pillay: Study on the impact of sudden stratosphere warming in the upper mesosphere-lower thermospheric regions using satellite and HF radar measurements, *Atmos. Chem. Phys.*, v. 9, pp. 23051-23072, 2009 (IF=4.927)

7.5. Liu, G., T.J. Immel, S.L. England, K.K. Kumar, and G. Ramkumar: Temporal modulations of the longitudinal structure in F2 peak height in the equatorial ionosphere as observed by COSMIC, *J. Geophys. Res.*, v. 114, A04303, doi: 10.1029/2009JA014829, 2009. (IF=3.147)

7.6. Goncharenko, L.P., A.J. Coster, J.L. Chau, and C.E. Valladares: Impact of sudden stratospheric warmings on equatorial anomaly, *J. Geophys. Res.*, v. 115, A00G07, doi: 10.1029/2010JA015400, 2010 (IF=3.303).

7.7. Liu, G., T.J. Immel, S.L. England, K.K. Kumar, and G. Ramkumar: Temporal modulation of the four-peaked longitudinal structure of the equatorial ionosphere by the 2-day planetary wave, *J. Geophys. Res.*, v. 115, A12338, doi:10.1029/2010JA016071, 2010 (IF=3.303).

7.8. Borries, C. and P. Hoffman: The characteristics of F2-layer planetary wave type oscillations in Northern middle and high latitudes during 2002 to 2008, *J. Geophys. Res.*, v. 115, A00G10, doi:10.1029/2009JA015456, 2010 (IF=3.303).

7.9. Goncharenko, L.P., J.L., Chau, H.-L., Liu, A.J., Coster: Unexpected connections between the stratosphere and ionosphere, *Geophys. Res. Lett.*, v. 37 (10), L10101, doi:10.1029/2010GL043125, 2010 (IF=3.505)

7.10. Hoffmann, P. and Ch. Jacobi: Connection of planetary waves in the stratosphere and ionosphere by the modulation of gravity waves, *Wiss. Mitteil. Inst. F. Meteorol. Univ. Leipzig*, Band 47, pp. 23-36, 2010

7.11. Comberiate, J., L.J., Paxton: Global Ultraviolet Imager equatorial plasma bubble imaging and climatology, 2002-2007, *J. Geophys. Res.*, v.115, A04305, doi:10.1029/2009JA014707, 2010 (IF=3.303)

7.12. Azeem, I., J. French, E.R. Talaat, D.E. Siskind, and G.G. Sivjee: Mesospheric temperature enhancements over Antarctica during planetary wave surges in 2007, *J. Geophys. Res.*, v.116, doi:10.1029/2011JA016515, 2011 (IF=3.303)

7.13. McDonald, A.J., R.E. Hibbins, and M.J. Jarvis: Properties of the quasi 16 day waves derived from EOS MLS observations, *J. Geophys. Res.*, v. 116, D06112, doi: 10.1029/2010JD014719, 2011 (IF=3.303).

7.14. Borries, C.: Untersuchungen zu Signaturen planetarischer Wellen in der Ionosphäre, Dissertation, Freie University Berlin, Berlin, November 10, 2010.

7.15. Hoffmann, P. and C. Jacobi, Gravity wave influence on middle atmosphere dynamics in model and satellite data, *Wiss. Mitteil. Inst. F. Meteorol. Univ. Leipzig*, v. 48, pp. 33-47, 2011.

8. Pancheva, D., Mukhtarov, P., **Andonov, B.**, Mitchell, N.J., Forbes, J.M. Planetary waves observed by TIMED/SABER in coupling the stratosphere-mesosphere-lower thermosphere during the winter of 2003/2004: Part 1-Comparison with the UKMO temperature results (**2009**) *Journal of Atmospheric and Solar-Terrestrial Physics*, 71 (1), pp. 61-74.

цитирана в:

8.1. Xiao, C., X. Hu, and J. Tian: Global temperature stationary planetary waves extending from 20 -135 km observed by TIMED/SABER, *J. Geophys. Res. – Atmospheres*, v. 114, D17101, doi:10.1029/2008JD011349, 2009 (IF=3.147).

8.2. Hoffmann, P., Ch. Jacobi, and S. Gimeno-Garcia: Using Python language for analyzing measurements from SABER instrument on TIMED satellite, *Wiss. Mitteil. Inst. F. Meteorol. Univ. Leipzig*, Band 45, pp. 139-151, 2009

8.3. Alexander, S.P., M.G., Shepherd: Planetary wave activity in the Arctic and antarctic lower stratospheres during 2007 and 2008, *Atmos. Chem. Phys. Discussions*, 9 (4), pp. 14601-14643, 2009 (IF=4.927)

8.4. Liu, G., T.J. Immel, S.L. England, K.K. Kumar, and G. Ramkumar: Temporal modulations of the longitudinal structure in F2 peak height in the equatorial ionosphere as observed by COSMIC, *J. Geophys. Res.*, v. 114, A04303, doi: 10.1029/2009JA014829, 2009. (IF=3.147).

8.5. Liu, G., T.J. Immel, S.L. England, K.K. Kumar, and G. Ramkumar: Temporal modulation of the four-peaked longitudinal structure of the equatorial ionosphere by the 2-day planetary wave, *J. Geophys. Res.*, v. 115, A12338, doi:10.1029/2010JA016071, 2010 (IF=3.303).

8.6. Borries, C. and P. Hoffman: The characteristics of F2-layer planetary wave type oscillations in Northern middle and high latitudes during 2002 to 2008, *J. Geophys. Res.*, v. 115, A00G10, doi:10.1029/2009JA015456, 2010 (IF=3.303).

8.7. Hoffmann, P. and Ch. Jacobi: Connection of planetary waves in the stratosphere and ionosphere by the modulation of gravity waves, *Wiss. Mitteil. Inst. F. Meteorol. Univ. Leipzig*, Band 47, pp. 23-36, 2010

8.8. Comberiate, J., L.J., Paxton: Global Ultraviolet Imager equatorial plasma bubble imaging and climatology, 2002-2007, *J. Geophys. Res.*, v.115, A04305, doi:10.1029/ 2009JA014707, 2010 (IF=3.303)

8.9. McDonald, A.J., R.E. Hibbins, and M.J. Jarvis: Properties of the quasi 16 day waves derived from EOS MLS observations, *J. Geophys. Res.*, v. 116, D06112, doi: 10.1029/2010JD014719, 2011 (IF=3.303).

8.10. Hoffmann, P. and C. Jacobi, Gravity wave influence on middle atmosphere dynamics in model and satellite data, *Wiss. Mitteil. Inst. F. Meteorol. Inv. Leipzig*, v. 48, pp. 33-47, 2011.

8.11. John, S.R. and K.K. Kumar: TIMED/SABER observations of global cold point mesopause variability at diurnal and planetary wave scale, *J. Geophys. Res. – Space Physics*, v. 116, A06314, doi:10.1029/2010JA015945, 2011 (IF=3.303)

9. Pancheva, D., Mukhtarov, P., Mitchell, N.J., Merzlyakov, E., Smith, A.K., **Andonov, B.**, Singer, W., Hocking, W., Meek, C., Manson, A., Murayama, Y. Planetary waves in coupling the stratosphere and mesosphere during the major stratospheric warming in 2003/2004 (**2008**) *Journal of Geophysical Research D: Atmospheres*, 113 (12), art. no. D12105.

цитирана в:

9.1. Merzlyakov, E.G., D.J. Murphy, R.A. Vincent, and Yu. Portnyagin: Long-term tendencies in the MLT prevailing winds and tides over Antarctica as observed by radars at Molodezhnaya, Mawson and Davis, *J. Atmos. Sol.-Terr. Phys.*, v. 71, pp. 21-32, doi:10.1016/j.jastp.2008.09.024, 2009 (IF=1.667)

9.2. Xiao, C., X. Hu, and J. Tian: Global temperature stationary planetary waves extending from 20 -135 km observed by TIMED/SABER, *J. Geophys. Res. – Atmospheres*, v. 114, D17101, doi:10.1029/2008JD011349, 2009 (IF=3.147).

9.3. Alexander, S.P., M.G., Shepherd: Planetary wave activity in the Arctic and antarctic lower stratospheres during 2007 and 2008, *Atmos. Chem. Phys. Discussions*, 9 (4), pp. 14601-14643, 2009 (IF=4.927)

9.4. Manney, G.L., R.S. Harwood, I.A. MacKenzie, K. Minschwaner, D.R. Allen, M.L. Santee, K.A. Walker, and R.A. Fuller: Satellite observations and modeling of transport in the upper troposphere through the lower mesosphere during the 2006 major stratospheric warming, *Atmos. Chem. Phys.*, 9 (14), pp. 4775-4795, 2009 (IF=4.927)

9.5. Goncharenko, L.P., A.J. Coster, J.L. Chau, and C.E. Valladares: Impact of sudden stratospheric warmings on equatorial anomaly, *J. Geophys. Res.*, v. 115, A00G07, doi: 10.1029/2010JA015400, 2010 (IF=3.303).

9.6. Azeem, S.M.I., E.R. Talaat, G.G. Sivjee, and J. -H. Yee: Mesosphere and lower thermosphere temperature anomalies during the 2002 Antarctic stratospheric warming event, *Ann. Geophys.*, v. 28, pp. 267-276, 2010 (IF=1.62).

9.7. Alexander, S.P. and M.G. Shepherd: Planetary wave activity in the polar lower stratosphere, *Atmos. Chem. Phys.*, v. 10, pp. 707-718, 2010 (IF=5.309)

9.8. McDonald, A.J., R.E. Hibbins, and M.J. Jarvis: Properties of the quasi 16 day waves derived from EOS MLS observations, *J. Geophys. Res.*, v. 116, D06112, doi: 10.1029/2010JD014719, 2011 (IF=3.303).

9.9. Lee, J.N., D.L. Wu, G.L. Manney, M.J. Schwartz, A. Lambert, and N.J. Livesey: Observations of the polar middle atmosphere: Dynamics and transport of CO and H₂O, *J. Geophys. Res.*, v. 116(5), D05110, 2011 (IF=3.303)

9.10. Borries, C.: Untersuchungen zu Signaturen planetarischer Wellen in der Ionosphäre, Dissertation, Freie University Berlin, Berlin, November 10, 2010.

9.11. Cnossen, I. and H. Lu: The vertical connection of the quasi-biennial oscillation - modulated 11 year solar cycle signature in geopotential height and planetary waves during Northern Hemisphere early winter, *J. Geophys. Res.*, v. 116, D13101 doi: 10.1029/2010JD015427, 2011 (IF=3.303).

9.12. Semeniuk, K., V.I. Fomichev, J.C. McConnell, C. Fu, S.M.L. Melo, and I.G. Usoskin, Middle atmosphere response to the solar cycle in irradiance and ionizing particle precipitation, *Atm. Chem. Phys.*, v. 11(10), pp. 5045-5077, 2011 (IF=5.309)

9.13. Hocking, W.K. and G.K. Kumar: Long term behaviour of the MLT quasi-7-day wave at twp radar-sites at northern polar latitudes, *J. Atmos. Sol.-Terr. Phys.*, v. 73, No 13, pp. 1616-1628, doi:10.1016/j.jastp.2011.02.004, 2011 (IF=1.579)

10. Pancheva, D., Mukhtarov, P., Mitchell, N.J., **Andonov, B.**, Merzlyakov, E., Singer, W., Murayama, Y., Kawamura, S., Xiong, J., Wan, W., Hocking, W., Fritts, D., Riggin, D., Meek, C., Manson, A. Latitudinal wave coupling of the stratosphere and mesosphere during the major stratospheric warming in 2003/2004 (**2008**) *Annales Geophysicae*, 26 (3), pp. 467-483.

цитирана в:

10.1. Fejer, B.G., Olson, M.E., Chau, J.L., Stolle, C., Lhr, H., Goncharenko, L.P., Yumoto, K., Nagatsuma, T. Lunar-dependent equatorial ionospheric electrodynamic effects during sudden stratospheric warmings (2010) *Journal of Geophysical Research A: Space Physics*, 115 (8), art. no. A00G03

10.2. Wang, R., Zhang, S.D., Yi, F. Radiosonde observations of high-latitude planetary waves in the lower atmosphere (2010) *Science China Earth Sciences*, 53 (6), pp. 919-932.

10.3. Azeem, S.M.I., Talaat, E.R., Sivjee, G.G., Yee, J.-H. Mesosphere and lower thermosphere temperature anomalies during the 2002 Antarctic stratospheric warming event (2010) *Annales Geophysicae*, 28 (1), pp. 267-276.

10.4. Alexander, S.P., Shepherd, M.G. Planetary wave activity in the polar lower stratosphere (2010) *Atmospheric Chemistry and Physics*, 10 (2), pp. 707-718

10.5. Alexander, S.P., Shepherd, M.G. Planetary wave activity in the Arctic and antarctic lower stratospheres during 2007 and 2008 (2009) *Atmospheric Chemistry and Physics Discussions*, 9 (4), pp. 14601-14643.

10.6. Sathishkumar, S., Sridharan, S., Jacobi, Ch. Dynamical response of low-latitude middle atmosphere to major sudden stratospheric warming events (2009) *Journal of Atmospheric and Solar-Terrestrial Physics*, 71 (8-9), pp. 857-865

10.7. Chau, J.L., Fejer, B.G., Goncharenko, L.P. Quiet variability of equatorial $e \times B$ drifts during a sudden stratospheric warming event (2009) *Geophysical Research Letters*, 36 (5), art. no. L05101,

10.8. Shepherd, M.G., Tsuda, T. Large-scale planetary disturbances in stratospheric temperature

at high-latitudes in the Southern summer Hemisphere (2008) Atmospheric Chemistry and Physics, 8 (24), pp. 7557-7570.

10.9. Borries, C.: Untersuchungen zu Signaturen planetarischer Wellen in der Ionosphäre, Dissertation, Freie University Berlin, Berlin, November 10, 2010.

11. Mukhtarov, P., Pancheva, D., **Andonov, B.**, Mitchell, N.J., Merzlyakov, E., Singer, W., Hocking, W., Meek, C., Manson, A., Murayama, Y. Large-scale thermodynamics of the stratosphere and mesosphere during the major stratospheric warming in 2003/2004 (**2007**) Journal of Atmospheric and Solar-Terrestrial Physics, 69 (17-18), pp. 2338-2354.

цитирана в:

11.1. Sathishkumar, S. and S. Sridharan: Dynamical response of low-latitude middle atmosphere to major sudden stratospheric events, *J. Atmos. Sol.-Terr. Phys.*, v.70, pp. 1607-1616, 2008 (IF=1.566)

11.2. Chau, J. L., B. G. Fejer, and L. P. Goncharenko: Quiet variability of equatorial $E \times B$ drifts during a sudden stratospheric warming event, *Geophys. Res. Lett.*, v. 36, doi:10.1029/2008GL036785, 2009 (IF=2.744).

11.3. Kazmirovsky, E.S. and G.V. Vergasova: Mesospheric, lower thermospheric dynamics and external forcing effects: A review, *Indian J. Radio & Space Phys.*, v. 38, pp. 7-36, 2009.

11.4. Sathishkumar, S., S. Sridharan, and Ch. Jacobi: Dynamical response of low-latitude middle atmosphere to major sudden stratospheric warming event, *J. Atmos. Sol.-Terr. Phys.*, v.71, pp. 857-865, 2009 (IF=1.667)

11.5. Azeem, S.M.I., E.R. Talaat, G.G. Sivjee, and J. -H. Yee: Mesosphere and lower thermosphere temperature anomalies during the 2002 Antarctic stratospheric warming event, *Ann. Geophys.*, v. 28, pp. 267-276, 2010 (IF=1.62).

11.6. Goncharenko, L.P., A.J. Coster, J.L. Chau, and C.E. Valladares: Impact of sudden stratospheric warmings on equatorial anomaly, *J. Geophys. Res.*, v. 115, doi: 10.1029/2010JA015400, 2010 (IF=3.303).

11.7. Dyrlund, M.E., Mulligan, F.J., Hall, C.M., Sigernes, F., Tsutsumi, M., Deehr, C.S.: Response of OH airglow temperatures to neutral air dynamics at 78°N , 16°E during the anomalous 2003-2004 winter, *J. Geophys. Res.*, v. 115, D07103, doi:10.1029/ 2009JD012726, 2010 (IF=3.303)

11.8. Wang, R., Zhang, S.D., Yi, F.: Radiosonde observations of high-latitude planetary waves in the lower atmosphere, *Science China - Earth Sciences*, v. 53 (6), pp. 919-932, 2010.

12. Pancheva, D.V., Mukhtarov, P.J., **Andonov, B.** Zonally symmetric oscillations in the Northern Hemisphere stratosphere during the winter of 2003-2004 (**2007**) *Geophysical Research Letters*, 34 (4), art. no. L04807.

цитирана в:

12.1. Pogoreltsev, A.I., A.A. Vlasov, K. Fröhlich, and Ch. Jacobi: Planetary waves in coupling the lower and upper atmosphere, *J. Atmos. Sol-Terr. Phys.*, v.69, pp. 2083-2101, 2007 (IF=1.566)

12.2. Sathishkumar, S. and S. Sridharan: Dynamical response of low-latitude middle atmosphere to major sudden stratospheric events, *J. Atmos. Sol.-Terr. Phys.*, v.70, pp. 1607-1616, 2008 (IF=1.566)

12.3. Kuroda, Y., Role of the stratosphere on the predictability of medium-range weather forecast. A case study of winter 2003-2004, *Geophys. Res. Letters*, 35, L19701, doi:10.1029/2008GL034902, 2008 (IF=2.959)

12.4. Sathishkumar, S., S. Sridharan, and Ch. Jacobi: Dynamical response of low-latitude middle atmosphere to major sudden stratospheric warming event, *J. Atmos. Sol.-Terr. Phys.*, v.71, pp. 857-865, 2009 (IF=1.667)

12.5. Alexander, S.P., M.G., Shepherd: Planetary wave activity in the Arctic and Antarctic lower stratospheres during 2007 and 2008, *Atmos. Chem. Phys. Discussions*, 9 (4), pp. 14601-14643, 2009 (IF=4.927)

12.6. Wang, R., Zhang, S.D., Yi, F.: Radiosonde observations of high-latitude planetary waves in the lower atmosphere, *Science China - Earth Sciences*, v. 53 (6), pp. 919-932, 2010.

12.7. Borries, C.: Untersuchungen zu Signaturen planetarischer Wellen in der Ionosphäre, Dissertation, Freie University Berlin, Berlin, November 10, 2010.

13. Andonov, B., Muhtarov, P., Kutiev, I. Analogue model, relating K_p index to solar wind parameters (**2004**) *Journal of Atmospheric and Solar-Terrestrial Physics*, 66 (11), pp. 927-932.

цитирана в :

13.1. Stankov, S., Stegen, K., Warnant, R. K-type geomagnetic index nowcast with data quality control (2011) Annals of Geophysics, 54 (3), pp. 285-295.

13.2. Belehaki, A., Stanisławska, I. Impact of variability of space environment on communications: Working Group 1 overview (2004) Annals of Geophysics, 47 (2-3 SUPPL.), pp. 1249-1260.

14. Andonov, B., Muhtarov, P., Nenovski, P. Modeling the ionospheric parameters influence on the geomagnetic pulsation polarization: ULF magnetic field (2001) J. Atmospheric Solar, 63, p. 1049.

цитирана в:

14.1. Yoshikawa, A., Obana, Y., Shinohara, M., Itonaga, M., Yumoto, K. Hall-induced inductive shielding effect on geomagnetic pulsations (2002) Geophysical Research Letters, 29 (8), pp. 107-1 - 107-4.

11.10.2011г.



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