

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

## References

- [1] Agueda, N., S. Krucker, R. P. Lin, and L. Wang (2011), On the Near-Earth Observation of Protons and Electrons from the Decay of Low-energy Solar Flare Neutrons, *Astrophys. J.*, **737**, 53, doi:10.1088/0004-637X/737/2/53.
- [2] Amata, E., S. P. Savin, D. Ambrosino, Y. V. Bogdanova, M. F. Marcucci, S. Romanov, and A. Skalsky (2011), High kinetic energy density jets in the Earth's magnetosheath: A case study, *Planet. Space Sci.*, **59**, 482–494, doi:10.1016/j.pss.2010.07.021.
- [3] Andalsvik, Y. L., P. E. Sandholt, and C. J. Farrugia (2011), Dayside and nightside contributions to cross-polar cap potential variations: the 20 March 2001 ICME case, *Ann. Geophys.*, **29**, 2189–2201, doi:10.5194/angeo-29-2189-2011.
- [4] Andreeva, K., T. I. Pulkkinen, M. Palmroth, and R. McPherron (2011), Geoefficiency of solar wind discontinuities, *J. Atmos. Solar-Terr. Phys.*, **73**, 112–122, doi:10.1016/j.jastp.2010.03.006.
- [5] Artmann, S., R. Schlickeiser, N. Agueda, S. Krucker, and R. P. Lin (2011), A diffusive description of the focused transport of solar energetic particles. Intensity- and anisotropy-time profiles as a powerful diagnostic tool for interplanetary particle transport conditions, *Astron. & Astrophys.*, **535**, A92, doi:10.1051/0004-6361/201117885.
- [6] Balcerak, E. (2011), Explaining the cause of asymmetry in the electron foreshock, *EOS Trans.*, **92**, 324–324, doi:10.1029/2011EO380012.
- [7] Balogh, A., and G. Erdős (2011), The Heliospheric Magnetic Field, *Space Sci. Rev.*, p. 309, doi:10.1007/s11214-011-9835-3.
- [8] Bhat, P. N., and S. Guiriec (2011), An overview of the current understanding of Gamma Ray Bursts in the Fermi era, *Bull. Astron. Soc. India*, **39**, 471–515.
- [9] Bianchin, V., S. Mereghetti, C. Guidorzi, L. Foschini, G. Vianello, G. Malaguti, G. Di Cocco, F. Gianotti, and F. Schiavone (2011), The first GRB survey of the IBIS/PICsIT archive, *Astron. & Astrophys.*, **536**, A46, doi:10.1051/0004-6361/201117290.
- [10] Blanco, J. J., M. A. Hidalgo, J. Rodriguez-Pacheco, and J. Medina (2011), Interaction between magnetic clouds and the heliospheric current sheet at 1 AU as it is observed by one single observation point, *J. Atmos. Solar-Terr. Phys.*, **73**, 1339–1347, doi:10.1016/j.jastp.2010.10.014.
- [11] Boakes, P. D., S. E. Milan, G. A. Abel, M. P. Freeman, G. Chisham, and B. Hubert (2011), A superposed epoch investigation of the relation between magnetospheric solar wind driving and substorm dynamics with geosynchronous particle injection signatures, *J. Geophys. Res.*, **116**, 1214, doi:10.1029/2010JA016007.
- [12] Boldyrev, S., J. C. Perez, J. E. Borovsky, and J. J. Podesta (2011), Spectral Scaling Laws in Magnetohydrodynamic Turbulence Simulations and in the Solar Wind, *Astrophys. J. Lett.*, **741**, L19, doi:10.1088/2041-8205/741/1/L19.

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- [13] Branduardi-Raymont, G., S. F. Sembay, J. P. Eastwood, D. G. Sibeck, T. A. Abbey, P. Brown, J. A. Carter, C. M. Carr, C. Forsyth, D. Kataria, S. Kemble, S. E. Milan, C. J. Owen, L. Peacocke, A. M. Read, A. J. Coates, M. R. Collier, S. W. H. Cowley, A. N. Fazakerley, G. W. Fraser, G. H. Jones, R. Lallement, M. Lester, F. S. Porter, and T. K. Yeoman (2011), AXIOM: advanced X-ray imaging of the magnetosphere, *Exper. Astron.*, p. 102, doi:10.1007/s10686-011-9239-0.
- [14] Cattell, C., J. Dombeck, A. Preiwisch, S. Thaller, P. Vo, L. B. Wilson, III, J. Wygant, S. B. Mende, H. U. Frey, R. Ilie, and G. Lu (2011), Observations of a high-latitude stable electron auroral emission at  $\sim$ 16 MLT during a large substorm, *J. Geophys. Res.*, 116, A07215, doi:10.1029/2010JA016132.
- [15] Cenko, S. B., D. A. Frail, F. A. Harrison, J. B. Haislip, D. E. Reichart, N. R. Butler, B. E. Cobb, A. Cucchiara, E. Berger, J. S. Bloom, P. Chandra, D. B. Fox, D. A. Perley, J. X. Prochaska, A. V. Filippenko, K. Glazebrook, K. M. Ivarsen, M. M. Kasliwal, S. R. Kulkarni, A. P. LaCluyze, S. Lopez, A. N. Morgan, M. Pettini, and V. R. Rana (2011), Afterglow Observations of Fermi Large Area Telescope Gamma-ray Bursts and the Emerging Class of Hyper-energetic Events, *Astrophys. J.*, 732, 29, doi:10.1088/0004-637X/732/1/29.
- [16] Chincarini, G., and R. Margutti (2011), Swift Highlights and Flares (back to the Drawing BOARD?), *Int. J. Mod. Phys. D*, 20, 1733–1743, doi:10.1142/S0218271811019815.
- [17] Chollet, E. E., and J. Giacalone (2011), Evidence of Confinement of Solar-energetic Particles to Interplanetary Magnetic Field Lines, *Astrophys. J.*, 728, 64, doi:10.1088/0004-637X/728/1/64.
- [18] Collier, M. R., H. Kent Hills, T. J. Stubbs, J. S. Halekas, G. T. Delory, J. Espley, W. M. Farrell, J. W. Freeman, and R. Vondrak (2011), Lunar surface electric potential changes associated with traversals through the Earth's foreshock, *Planet. Space Sci.*, 59, 1727–1743, doi:10.1016/j.pss.2010.12.010.
- [19] Davis, C. J., C. A. de Koning, J. A. Davies, D. Biesecker, G. Millward, M. Dryer, C. Deehr, D. F. Webb, K. Schenk, S. L. Freeland, C. Möstl, C. J. Farrugia, and D. Odstrcil (2011), A comparison of space weather analysis techniques used to predict the arrival of the Earth-directed CME and its shockwave launched on 8 April 2010, *Space Weather*, 9, 1005, doi:10.1029/2010SW000620.
- [20] de Koning, C. A., J. T. Gosling, R. M. Skoug, J. T. Steinberg, R. P. Lin, and L. Wang (2011), Electron distributions during the solar electron burst of 22 March 2002, *J. Geophys. Res.*, 116, 4110, doi:10.1029/2010JA015863.
- [21] DeForest, C. E., T. A. Howard, and S. J. Tappin (2011), Observations of Detailed Structure in the Solar Wind at 1 AU with STEREO/HI-2, *Astrophys. J.*, 738, 103, doi:10.1088/0004-637X/738/1/103.

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- [22] Despirak, I. V., A. A. Lubchich, and V. Guineva (2011), Development of substorm bulges during storms of different interplanetary origins, *J. Atmos. Solar-Terr. Phys.*, *73*, 1460–1464, doi:10.1016/j.jastp.2010.08.003.
- [23] Dunlop, M. W., R. Bingham, S. Chapman, P. Escoubet, Q.-H. Zhang, C. Shen, J.-K. Shi, R. Trines, R. Wicks, Z.-Y. Pu, J. de-Keyser, S. Schwartz, and Z.-X. Liu (2011), Use of multi-point analysis and modelling to address cross-scale coupling in space plasmas: Lessons from Cluster, *Planet. Space Sci.*, *59*, 630–638, doi:10.1016/j.pss.2010.06.014.
- [24] Echim, M. M., J. Lemaire, and Ø. Lie-Svendsen (2011), A Review on Solar Wind Modeling: Kinetic and Fluid Aspects, *Surveys in Geophys.*, *32*, 1–70, doi:10.1007/s10712-010-9106-y.
- [25] Ezoe, Y., Y. Miyoshi, H. Yoshitake, K. Mitsuda, N. Terada, S. Oishi, and T. Ohashi (2011), Enhancement of Terrestrial Diffuse X-Ray Emission Associated with Coronal Mass Ejection and Geomagnetic Storm, *Publ. Astron. Soc. Japan*, *63*, 691.
- [26] Farrugia, C. J., and F. T. Grutton (2011), Aspects of magnetopause/magnetosphere response to interplanetary discontinuities, and features of magnetopause Kelvin-Helmholtz waves, *J. Atmos. Solar-Terr. Phys.*, *73*, 40–51, doi:10.1016/j.jastp.2009.10.008.
- [27] Farrugia, C. J., L.-J. Chen, R. B. Torbert, D. J. Southwood, S. W. H. Cowley, A. Vrblevskis, C. Mouikis, A. Vaivads, M. André, P. Décréau, H. Vaith, C. J. Owen, D. J. Sibeck, E. Lucek, and C. W. Smith (2011), “Crater” flux transfer events: Highroad to the X line?, *J. Geophys. Res.*, *116*, 2204, doi:10.1029/2010JA015495.
- [28] Farrugia, C. J., D. B. Berdichevsky, C. Möstl, A. B. Galvin, M. Leitner, M. A. Popecki, K. D. C. Simunac, A. Opitz, B. Lavraud, K. W. Ogilvie, A. M. Veronig, M. Temmer, J. G. Luhmann, and J. A. Sauvaud (2011), Multiple, distant ( $40^\circ$ ) in situ observations of a magnetic cloud and a corotating interaction region complex, *J. Atmos. Solar-Terr. Phys.*, *73*, 1254–1269, doi:10.1016/j.jastp.2010.09.011.
- [29] Feng, H. Q., D. J. Wu, J. M. Wang, and J. W. Chao (2011), Magnetic reconnection exhausts at the boundaries of small interplanetary magnetic flux ropes, *Astron. & Astrophys.*, *527*, A67, doi:10.1051/0004-6361/201014473.
- [30] Feng, S. W., Y. Chen, B. Li, H. Q. Song, X. L. Kong, L. D. Xia, and X. S. Feng (2011), Streamer Wave Events Observed in Solar Cycle 23, *Solar Phys.*, *272*, 119–136, doi:10.1007/s11207-011-9814-6.
- [31] Feynman, J., and A. Ruzmaikin (2011), The Sun’s Strange Behavior: Maunder Minimum or Gleissberg Cycle?, *Solar Phys.*, *272*, 351–363, doi:10.1007/s11207-011-9828-0.
- [32] Firoz, K. A., Y.-J. Moon, S.-H. Park, K. Kudela, J. N. Islam, and L. I. Dorman (2011), On the Possible Mechanisms of Two Ground-level Enhancement Events, *Astrophys. J.*, *743*, 190, doi:10.1088/0004-637X/743/2/190.

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- [33] Fouka, M., and S. Ouichaoui (2011), Spectral analysis of time-integrated Konus-Wind GRBs: Implication on radiative mechanisms, *Adv. Space Res.*, *47*, 1387–1403, doi: 10.1016/j.asr.2010.08.006.
- [34] Foulon, C., B. Lavraud, J. G. Luhmann, C. J. Farrugia, A. Retinò, K. D. C. Simunac, N. C. Wardle, A. B. Galvin, H. Kucharek, C. J. Owen, M. Popecki, A. Opitz, and J.-A. Sauvaud (2011), Plasmoid Releases in the Heliospheric Current Sheet and Associated Coronal Hole Boundary Layer Evolution, *Astrophys. J.*, *737*, 16, doi:10.1088/0004-637X/737/1/16.
- [35] Fuselier, S. A., and W. S. Lewis (2011), Properties of Near-Earth Magnetic Reconnection from In-Situ Observations, *Space Sci. Rev.*, *160*, 95–121, doi:10.1007/s11214-011-9820-x.
- [36] Gopalswamy, N., and P. Mäkelä (2011), Low-frequency type III radio bursts and solar energetic particle events, *Central European Astrophys. Bull.*, *35*, 71–82.
- [37] Gosling, J. T. (2011), Magnetic Reconnection in the Solar Wind, *Space Sci. Rev.*, p. 104, doi:10.1007/s11214-011-9747-2.
- [38] Gosling, J. T., H. Tian, and T. D. Phan (2011), Pulsed Alfvén Waves in the Solar Wind, *Astrophys. J. Lett.*, *737*, L35, doi:10.1088/2041-8205/737/2/L35.
- [39] Gratton, F. T., L. E. Bilbao, G. Gnavi, and C. J. Farrugia (2011), The Magnetosphere Mixing Layer: Observations, MHD Stability, and Large Eddy Simulations, *J. Phys. Conf. Ser.*, *296*, 012,006, doi:10.1088/1742-6596/296/1/012006.
- [40] Guo, J. (2011), The Effects of Relative Drift Velocities Between Proton and He<sup>2+</sup> on the Magnetic Spectral Signatures in the Plasma Depletion Layer, *Plasma Sci. Tech.*, *13*, 557–560, doi:10.1088/1009-0630/13/5/09.
- [41] Guo, J., X. Feng, P. Zuo, J. Zhang, Y. Wei, and Q. Zong (2011), Interplanetary drivers of ionospheric prompt penetration electric fields, *J. Atmos. Solar-Terr. Phys.*, *73*, 130–136, doi:10.1016/j.jastp.2010.01.010.
- [42] Halekas, J. S., V. Angelopoulos, D. G. Sibeck, K. K. Khurana, C. T. Russell, G. T. Delory, W. M. Farrell, J. P. McFadden, J. W. Bonnell, D. Larson, R. E. Ergun, F. Plaschke, and K. H. Glassmeier (2011), First Results from ARTEMIS, a New Two-Spacecraft Lunar Mission: Counter-Streaming Plasma Populations in the Lunar Wake, *Space Sci. Rev.*, p. 95, doi:10.1007/s11214-010-9738-8.
- [43] Hannah, I. G., H. S. Hudson, M. Battaglia, S. Christe, J. Kašparová, S. Krucker, M. R. Kundu, and A. Veronig (2011), Microflares and the Statistics of X-ray Flares, *Space Sci. Rev.*, *159*, 263–300, doi:10.1007/s11214-010-9705-4.
- [44] Hapgood, M., C. Perry, J. Davies, and M. Denton (2011), The role of suprathermal particle measurements in CrossScale studies of collisionless plasma processes, *Planet. Space Sci.*, *59*, 618–629, doi:10.1016/j.pss.2010.06.002.

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- [45] Harris, B. (2011), Observational aspects of IMF draping around the magnetosphere, Master's thesis, University of New Hampshire, advisor: C.J. Farrugia.
- [46] He, H.-Q., and G. Qin (2011), A Simple Analytical Method to Determine Solar Energetic Particles' Mean Free Path, *Astrophys. J.*, **730**, 46, doi:10.1088/0004-637X/730/1/46.
- [47] Hidalgo, M. A., J. J. Blanco, F. J. Alvarez, and T. Nieves-Chinchilla (2011), On the relationship between magnetic clouds and the great geomagnetic storms associated with the period 1995–2006, *J. Atmos. Solar-Terr. Phys.*, **73**, 1372–1379, doi:10.1016/j.jastp.2011.02.017.
- [48] Hietala, H., N. Agueda, K. Andréová, R. Vainio, S. Nylund, E. K. J. Kilpua, and H. E. J. Koskinen (2011), In situ observations of particle acceleration in shock-shock interaction, *J. Geophys. Res.*, **116**, 10,105, doi:10.1029/2011JA016669.
- [49] Hillaris, A., O. Malandraki, K.-L. Klein, P. Preka-Papadema, X. Moussas, C. Bouratzis, E. Mitsakou, P. Tsitsipis, and A. Kontogeorgos (2011), The 17 January 2005 Complex Solar Radio Event Associated with Interacting Fast Coronal Mass Ejections, *Solar Phys.*, **273**, 493–509, doi:10.1007/s11207-011-9872-9.
- [50] Howard, T. A. (2011), Three-dimensional reconstruction of coronal mass ejections using heliospheric imager data, *J. Atmos. Solar-Terr. Phys.*, **73**, 1242–1253, doi:10.1016/j.jastp.2010.08.009.
- [51] Huang, J., P. Démoulin, M. Pick, F. Auchère, Y. H. Yan, and A. Bouteille (2011), Initiation and Early Development of the 2008 April 26 Coronal Mass Ejection, *Astrophys. J.*, **729**, 107, doi:10.1088/0004-637X/729/2/107.
- [52] Innes, D. E., R. H. Cameron, and S. K. Solanki (2011), EUV jets, type III radio bursts and sunspot waves investigated using SDO/AIA observations, *Astron. & Astrophys.*, **531**, L13, doi:10.1051/0004-6361/201117255.
- [53] Isavnin, A., E. K. J. Kilpua, and H. E. J. Koskinen (2011), Grad-Shafranov Reconstruction of Magnetic Clouds: Overview and Improvements, *Solar Phys.*, **273**, 205–219, doi:10.1007/s11207-011-9845-z.
- [54] Ivanov, K. G., and A. F. Kharshiladze (2011), Dynamics of solar activity and anomalous weather in summer 2010: 1. Sector boundaries: Anticyclone formation and destruction, *Geomagnetism and Aeronomy*, **51**, 444–449, doi:10.1134/S0016793211040037.
- [55] Jackson, B. V., M. S. Hamilton, P. P. Hick, A. Buffington, M. M. Bisi, J. M. Clover, M. Tokumaru, and K. Fujiki (2011), Solar Mass Ejection Imager (SMEI) 3-D reconstruction of density enhancements behind interplanetary shocks: In-situ comparison near Earth and at STEREO, *J. Atmos. Solar-Terr. Phys.*, **73**, 1317–1329, doi:10.1016/j.jastp.2010.11.023.
- [56] Jayachandran, P. T., C. Watson, I. J. Rae, J. W. MacDougall, D. W. Danskin, R. Chadwick, T. D. Kelly, P. Prikryl, K. Meziane, and K. Shiokawa (2011), High-latitude GPS

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- TEC changes associated with a sudden magnetospheric compression, *Geophys. Res. Lett.*, **38**, 23,104, doi:10.1029/2011GL050041.
- [57] Jian, L. K., C. T. Russell, and J. G. Luhmann (2011), Comparing Solar Minimum 23/24 with Historical Solar Wind Records at 1 AU, *Solar Phys.*, pp. 155–+, doi:10.1007/s11207-011-9737-2.
- [58] Juusola, L., N. Østgaard, and E. Tanskanen (2011), Statistics of plasma sheet convection, *J. Geophys. Res.*, **116**, 8201, doi:10.1029/2011JA016479.
- [59] Juusola, L., N. Østgaard, E. Tanskanen, N. Partamies, and K. Snekvik (2011), Earthward plasma sheet flows during substorm phases, *J. Geophys. Res.*, **116**, 10,228, doi:10.1029/2011JA016852.
- [60] Kahler, S. W., S. Krucker, and A. Szabo (2011), Solar energetic electron probes of magnetic cloud field line lengths, *J. Geophys. Res.*, **116**, 1104, doi:10.1029/2010JA015328.
- [61] Kahler, S. W., E. W. Cliver, A. J. Tylka, and W. F. Dietrich (2011), A Comparison of Ground Level Event e/p and Fe/O Ratios with Associated Solar Flare and CME Characteristics, *Space Sci. Rev.*, p. 122, doi:10.1007/s11214-011-9768-x.
- [62] Kahler, S. W., D. K. Haggerty, and I. G. Richardson (2011), Magnetic Field-line Lengths in Interplanetary Coronal Mass Ejections Inferred from Energetic Electron Events, *Astrophys. J.*, **736**, 106, doi:10.1088/0004-637X/736/2/106.
- [63] Kellogg, P. J., C. A. Cattell, K. Goetz, S. J. Monson, and L. B. Wilson, III (2011), Large amplitude whistlers in the magnetosphere observed with Wind-Waves, *J. Geophys. Res.*, **116**, 9224, doi:10.1029/2010JA015919.
- [64] Kersten, K., C. A. Cattell, A. Breneman, K. Goetz, P. J. Kellogg, J. R. Wygant, L. B. Wilson, III, J. B. Blake, M. D. Looper, and I. Roth (2011), Observation of relativistic electron microbursts in conjunction with intense radiation belt whistler-mode waves, *Geophys. Res. Lett.*, **38**, 8107.
- [65] Khabarova, O., and G. Zastenker (2011), Sharp Changes of Solar Wind Ion Flux and Density Within and Outside Current Sheets, *Solar Phys.*, **270**, 311–329, doi:10.1007/s11207-011-9719-4.
- [66] Kilpua, E. K. J., L. K. Jian, Y. Li, J. G. Luhmann, and C. T. Russell (2011), Multi-point ICME encounters: Pre-STEREO and STEREO observations, *J. Atmos. Solar-Terr. Phys.*, **73**, 1228–1241, doi:10.1016/j.jastp.2010.10.012.
- [67] Kilpua, E. K. J., C. O. Lee, J. G. Luhmann, and Y. Li (2011), Interplanetary coronal mass ejections in the near-Earth solar wind during the minimum periods following solar cycles 22 and 23, *Ann. Geophys.*, **29**, 1455–1467, doi:10.5194/angeo-29-1455-2011.
- [68] Klein, K.-L., G. Trottet, S. Samwel, and O. Malandraki (2011), Particle Acceleration and Propagation in Strong Flares without Major Solar Energetic Particle Events, *Solar Phys.*, **269**, 309–333, doi:10.1007/s11207-011-9710-0.

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- [69] Krasnoselskikh, V. V., T. Dudok de Wit, and S. D. Bale (2011), Determining the wavelength of Langmuir wave packets at the Earth's bow shock, *Ann. Geophys.*, **29**, 613–617, doi:10.5194/angeo-29-613-2011.
- [70] Krucker, S., E. P. Kontar, S. Christe, L. Glesener, and R. P. Lin (2011), Electron Acceleration Associated with Solar Jets, *Astrophys. J.*, **742**, 82, doi:10.1088/0004-637X/742/2/82.
- [71] Kumar, P., P. K. Manoharan, and W. Uddin (2011), Multiwavelength Study on Solar and Interplanetary Origins of the Strongest Geomagnetic Storm of Solar Cycle 23, *Solar Phys.*, **271**, 149–167, doi:10.1007/s11207-011-9805-7.
- [72] Lakshmi, M. A., and S. Umapathy (2011), Characteristics of CMEs associated with solar flares and DH type II radio bursts based on source position, *Astrophys. Space Sci.*, p. 738, doi:10.1007/s10509-011-0949-6.
- [73] Laveder, D., L. Marradi, T. Passot, and P. L. Sulem (2011), Fluid simulations of mirror constraints on proton temperature anisotropy in solar wind turbulence, *Geophys. Res. Lett.*, **38**, 17,108, doi:10.1029/2011GL048874.
- [74] Lazio, T. J. W., R. J. MacDowall, J. O. Burns, D. L. Jones, K. W. Weiler, L. De-maio, A. Cohen, N. Paravastu Dalal, E. Polisensky, K. Stewart, S. Bale, N. Gopalswamy, M. Kaiser, and J. Kasper (2011), The Radio Observatory on the Lunar Surface for Solar studies, *Adv. Space Res.*, **48**, 1942–1957, doi:10.1016/j.asr.2011.07.006.
- [75] Le Chat, G., K. Issautier, N. Meyer-Vernet, and S. Hoang (2011), Large-Scale Variation of Solar Wind Electron Properties from Quasi-Thermal Noise Spectroscopy: Ulysses Measurements, *Solar Phys.*, **271**, 141–148, doi:10.1007/s11207-011-9797-3.
- [76] Leitner, M., C. J. Farrugia, and Z. Vörös (2011), Change of solar wind quasi-invariant in solar cycle 23—Analysis of PDFs, *J. Atmos. Solar-Terr. Phys.*, **73**, 290–293, doi:10.1016/j.jastp.2010.03.002.
- [77] Li, C., S. A. Matthews, L. van Driel-Gesztelyi, J. Sun, and C. J. Owen (2011), Coronal Jets, Magnetic Topologies, and the Production of Interplanetary Electron Streams, *Astrophys. J.*, **735**, 43, doi:10.1088/0004-637X/735/1/43.
- [78] Lin, R. P. (2011), Energy Release and Particle Acceleration in Flares: Summary and Future Prospects, *Space Sci. Rev.*, **159**, 421–445, doi:10.1007/s11214-011-9801-0.
- [79] Liu, R., T.-J. Wang, J. Lee, G. Stenborg, C. Liu, S.-H. Park, and H.-M. Wang (2011), Observing the reconnection region in a transequatorial loop system, *Res. Astron. Astrophys.*, **11**, 1209–1228, doi:10.1088/1674-4527/11/10/009.
- [80] Liu, Y., J. G. Luhmann, S. D. Bale, and R. P. Lin (2011), Solar Source and Heliospheric Consequences of the 2010 April 3 Coronal Mass Ejection: A Comprehensive View, *Astrophys. J.*, **734**, 84, doi:10.1088/0004-637X/734/2/84.

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- [81] Lue, C., Y. Futaana, S. Barabash, M. Wieser, M. Holmström, A. Bhardwaj, M. B. Dhanya, and P. Wurz (2011), Strong influence of lunar crustal fields on the solar wind flow, *Geophys. Res. Lett.*, *38*, 3202, doi:10.1029/2010GL046215.
- [82] Mäkelä, P., N. Gopalswamy, S. Akiyama, H. Xie, and S. Yashiro (2011), Energetic storm particle events in coronal mass ejection-driven shocks, *J. Geophys. Res.*, *116*, 8101, doi: 10.1029/2011JA016683.
- [83] Maksimović, M., S. Vidojević, and A. Zaslavsky (2011), Statistical Analysis of Langmuir Waves Associated with Type III Radio Bursts: II. Simulation and Interpretation of the Wave Energy Distributions, *Baltic Astron.*, *20*, 600–603.
- [84] Maruca, B. A., J. C. Kasper, and S. D. Bale (2011), What Are the Relative Roles of Heating and Cooling in Generating Solar Wind Temperature Anisotropies?, *Phys. Rev. Lett.*, *107*, 201101, doi:10.1103/PhysRevLett.107.201101.
- [85] Matteini, L., P. Hellinger, S. Landi, P. M. Trávníček, and M. Velli (2011), Ion Kinetics in the Solar Wind: Coupling Global Expansion to Local Microphysics, *Space Sci. Rev.*, p. 128, doi:10.1007/s11214-011-9774-z.
- [86] Maynard, N. C., C. J. Farrugia, W. J. Burke, D. M. Ober, J. D. Scudder, F. S. Mozer, C. T. Russell, H. Rème, C. Mouikis, and K. D. Siebert (2011), Interactions of the heliospheric current and plasma sheets with the bow shock: Cluster and Polar observations in the magnetosheath, *J. Geophys. Res.*, *116*, 1212, doi:10.1029/2010JA015872.
- [87] McIntosh, S. W., K. K. Kiefer, R. J. Leamon, J. C. Kasper, and M. L. Stevens (2011), Solar Cycle Variations in the Elemental Abundance of Helium and Fractionation of Iron in the Fast Solar Wind: Indicators of an Evolving Energetic Release of Mass from the Lower Solar Atmosphere, *Astrophys. J. Lett.*, *740*, L23, doi:10.1088/2041-8205/740/1/L23.
- [88] Meziane, K., A. M. Hamza, M. Wilber, M. A. Lee, C. Mazelle, E. A. Lucek, and T. Hada (2011), Specular refection at a non-stationary shock: A simple model, *Planet. Space Sci.*, *59*, 495–501, doi:10.1016/j.pss.2010.10.016.
- [89] Mishin, V. M., M. Förster, M. A. Kurikalova, and V. V. Mishin (2011), The generator system of field-aligned currents during the April 06, 2000, superstorm, *Adv. Space Res.*, *48*, 1172–1183, doi:10.1016/j.asr.2011.05.029.
- [90] Möstl, C., T. Rollett, N. Lugaz, C. J. Farrugia, J. A. Davies, M. Temmer, A. M. Veronig, R. A. Harrison, S. Crothers, J. G. Luhmann, A. B. Galvin, T. L. Zhang, W. Baumjohann, and H. K. Biernat (2011), Arrival Time Calculation for Interplanetary Coronal Mass Ejections with Circular Fronts and Application to STEREO Observations of the 2009 February 13 Eruption, *Astrophys. J.*, *741*, 34, doi:10.1088/0004-637X/741/1/34.
- [91] Motoba, T., K. Hosokawa, Y. Ogawa, N. Sato, A. Kadokura, S. C. Buchert, and H. Rème (2011), In situ evidence for interplanetary magnetic field induced tail twisting associated with relative displacement of conjugate auroral features, *J. Geophys. Res.*, *116*, 4209, doi:10.1029/2010JA016206.

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- [92] Mozer, F. S., and P. L. Pritchett (2011), Electron Physics of Asymmetric Magnetic Field Reconnection, *Space Sci. Rev.*, **158**, 119–143, doi:10.1007/s11214-010-9681-8.
- [93] Mustajab, F., and Badruddin (2011), Geoeffectiveness of the interplanetary manifestations of coronal mass ejections and solar-wind stream-stream interactions, *Astrophys. Space Sci.*, **331**, 91–104, doi:10.1007/s10509-010-0428-5.
- [94] Nakwacki, M. S., S. Dasso, P. Démoulin, C. H. Mandrini, and A. M. Gulisano (2011), Dynamical evolution of a magnetic cloud from the Sun to 5.4 AU, *Astron. & Astrophys.*, **535**, A52, doi:10.1051/0004-6361/201015853.
- [95] Nindos, A., C. E. Alissandrakis, A. Hillaris, and P. Preka-Papadema (2011), On the relationship of shock waves to flares and coronal mass ejections, *Astron. & Astrophys.*, **531**, A31, doi:10.1051/0004-6361/201116799.
- [96] Nishino, M. N., X.-D. Wang, M. Fujimoto, H. Tsunakawa, Y. Saito, S. Yokota, W. Bian, C.-L. Li, M. Matsushima, H. Shibuya, H. Shimizu, F. Takahashi, and T. Terasawa (2011), Anomalous deformation of the Earth's bow shock in the lunar wake: Joint measurement by Chang'E-1 and SELENE, *Planet. Space Sci.*, **59**, 378–386, doi:10.1016/j.pss.2011.01.002.
- [97] Nishino, M. N., H. Hasegawa, M. Fujimoto, Y. Saito, T. Mukai, I. Dandouras, H. Rème, A. Retinò, R. Nakamura, E. Lucek, and S. J. Schwartz (2011), A case study of Kelvin-Helmholtz vortices on both flanks of the Earth's magnetotail, *Planet. Space Sci.*, **59**, 502–509, doi:10.1016/j.pss.2010.03.011.
- [98] Nishino, M. N., Y. Saito, Y. Kasahara, Y. Omura, K. Hashimoto, T. Ono, H. Tsunakawa, F. Takahashi, and M. Fujimoto (2011), Wave excitation in the lunar wake associated with solar-wind proton entry, in *General Assembly and Scientific Symposium, 2011 XXXth URSI*, p. 1, doi:10.1109/URSIGASS.2011.6051091.
- [99] Němeček, Z., J. Šafránková, A. Koval, J. Merka, and L. Přech (2011), MHD analysis of propagation of an interplanetary shock across magnetospheric boundaries, *J. Atmos. Solar-Terr. Phys.*, **73**, 20–29, doi:10.1016/j.jastp.2010.05.017.
- [100] Oner, K., E. Ceren, and Z. Kaymaz (2011), Spatial variation of Joule heating and its relationship with the motion of polar cap boundary, in *Recent Advances in Space Technologies (RAST), 2011 5th International Conference on*, vol. 11, pp. 581–583, doi:10.1109/RAST.2011.5966904.
- [101] Osman, K. T., W. H. Matthaeus, A. Greco, and S. Servidio (2011), Evidence for Inhomogeneous Heating in the Solar Wind, *Astrophys. J. Lett.*, **727**, L11, doi:10.1088/2041-8205/727/1/L11.
- [102] Panchenko, M. (2011), Auroral Radio Emission from the Solar System Planets, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 1356, edited by I. Zhelyazkov & T. Mishonov, pp. 204–215, doi:10.1063/1.3598106.

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- [103] Panchenko, M., and H. O. Rucker (2011), Periodic bursts of Jovian non-Io DAM triggered by solar wind pulses, in *EPSC-DPS Joint Meeting 2011*, p. 892.
- [104] Petrinec, S. M., M. A. Dayeh, H. O. Funsten, S. A. Fuselier, D. Heirtzler, P. Janzen, H. Kucharek, D. J. McComas, E. Möbius, T. E. Moore, D. B. Reisenfeld, N. A. Schwadron, K. J. Trattner, and P. Wurz (2011), Neutral atom imaging of the magnetospheric cusps, *J. Geophys. Res.*, *116*, 7203, doi:10.1029/2010JA016357.
- [105] Pierrard, V. (2011), Solar Wind Electron Transport: Interplanetary Electric Field and Heat Conduction, *Space Sci. Rev.*, p. 100, doi:10.1007/s11214-011-9743-6.
- [106] Pierrard, V., M. Lazar, and R. Schlickeiser (2011), Evolution of the Electron Distribution Function in the Whistler Wave Turbulence of the Solar Wind, *Solar Phys.*, *269*, 421–438, doi:10.1007/s11207-010-9700-7.
- [107] Pitkänen, T., A. T. Aikio, O. Amm, K. Kauristie, H. Nilsson, and K. U. Kaila (2011), EISCAT-Cluster observations of quiet-time near-Earth magnetotail fast flows and their signatures in the ionosphere, *Ann. Geophys.*, *29*, 299–319, doi:10.5194/angeo-29-299-2011.
- [108] Podesta, J. J. (2011), On the energy cascade rate of solar wind turbulence in high cross helicity flows, *J. Geophys. Res.*, *116*, 5101, doi:10.1029/2010JA016306.
- [109] Pulupa, M. P., S. D. Bale, and C. Salem (2011), An asymmetry of the electron foreshock due to the strahl, *Geophys. Res. Lett.*, *38*, 14,105, doi:10.1029/2011GL048029.
- [110] Qin, G., H.-Q. He, and M. Zhang (2011), An Effect of Perpendicular Diffusion on the Anisotropy of Solar Energetic Particles from Unconnected Sources, *Astrophys. J.*, *738*, 28, doi:10.1088/0004-637X/738/1/28.
- [111] Rao, A. R., J. P. Malkar, M. K. Hingar, V. K. Agrawal, S. K. Chakrabarti, A. Nandi, D. Debnath, T. B. Kotoch, R. Sarkar, T. R. Chidambaram, P. Vinod, S. Sreekumar, Y. D. Kotov, A. S. Buslov, V. N. Yurov, V. G. Tyshkevich, A. I. Arkhangelskij, R. A. Zyatkov, and S. Naik (2011), Detection of GRB 090618 with the RT-2 Experiment on Board the Coronas-Photon Satellite, *Astrophys. J.*, *728*, 42, doi:10.1088/0004-637X/728/1/42.
- [112] Reshetnyk, V., and O. Agapitov (2011), The geometric parameters of solar wind discontinuities based on STEREO, ACE and WIND measurements, *Int. J. Remote Sens.*, *32*, 3239–3247, doi:10.1080/01431161.2010.541514.
- [113] Richardson, I. G., and H. V. Cane (2011), Galactic Cosmic Ray Intensity Response to Interplanetary Coronal Mass Ejections/Magnetic Clouds in 1995 - 2009, *Solar Phys.*, *270*, 609–627, doi:10.1007/s11207-011-9774-x.
- [114] Rodriguez, L., M. Mierla, A. N. Zhukov, M. West, and E. Kilpua (2011), Linking Remote-Sensing and In Situ Observations of Coronal Mass Ejections Using STEREO, *Solar Phys.*, *270*, 561–573, doi:10.1007/s11207-011-9784-8.

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- [115] Rouillard, A. P. (2011), Relating white light and in situ observations of coronal mass ejections: A review, *J. Atmos. Solar-Terr. Phys.*, **73**, 1201–1213, doi:10.1016/j.jastp.2010.08.015.
- [116] Rouillard, A. P., N. R. Sheeley, Jr., T. J. Cooper, J. A. Davies, B. Lavraud, E. K. J. Kilpua, R. M. Skoug, J. T. Steinberg, A. Szabo, A. Opitz, and J.-A. Sauvaud (2011), The Solar Origin of Small Interplanetary Transients, *Astrophys. J.*, **734**, 7, doi:10.1088/0004-637X/734/1/7.
- [117] Rouillard, A. P., D. Odstrčil, N. R. Sheeley, A. Tylka, A. Vourlidas, G. Mason, C.-C. Wu, N. P. Savani, B. E. Wood, C. K. Ng, G. Stenborg, A. Szabo, and O. C. St. Cyr (2011), Interpreting the Properties of Solar Energetic Particle Events by Using Combined Imaging and Modeling of Interplanetary Shocks, *Astrophys. J.*, **735**, 7, doi:10.1088/0004-637X/735/1/7.
- [118] Sakamoto, T., V. Pal'Shin, K. Yamaoka, M. Ohno, G. Sato, R. Aptekar, S. D. Barthelmy, W. H. Baumgartner, J. R. Cummings, E. E. Fenimore, D. Frederiks, N. Gehrels, S. Golenetskii, H. A. Krimm, C. B. Markwardt, K. Onda, D. M. Palmer, A. M. Parsons, M. Stamatikos, S. Sugita, M. Tashiro, J. Tueller, and T. N. Ukwatta (2011), Spectral Cross-Calibration of the Konus-Wind, the Suzaku/WAM, and the Swift/BAT Data Using Gamma-Ray Bursts, *Publ. Astron. Soc. Japan*, **63**, 215–.
- [119] Schaufelberger, A., P. Wurz, S. Barabash, M. Wieser, Y. Futaana, M. Holmström, A. Bhardwaj, M. B. Dhanya, R. Sridharan, and K. Asamura (2011), Scattering function for energetic neutral hydrogen atoms off the lunar surface, *Geophys. Res. Lett.*, **38**, 22,202, doi:10.1029/2011GL049362.
- [120] Schlickeiser, R., M. J. Michno, D. Ibscher, M. Lazar, and T. Skoda (2011), Modified Temperature-Anisotropy Instability Thresholds in the Solar Wind, *Phys. Rev. Lett.*, **107**, 201,102, doi:10.1103/PhysRevLett.107.201102.
- [121] Schulte in den Bäumen, H., I. H. Cairns, and P. A. Robinson (2011), Modeling 1 AU solar wind observations to estimate azimuthal magnetic fields at the solar source surface, *Geophys. Res. Lett.*, **38**, 24,101, doi:10.1029/2011GL049578.
- [122] Schwadron, N. A., H. E. Spence, and R. Came (2011), Does the space environment affect the ecosphere?, *EOS Trans.*, **92**, 297–298, doi:10.1029/2011EO360001.
- [123] Schwadron, N. A., C. W. Smith, H. E. Spence, J. C. Kasper, K. Korreck, M. L. Stevens, B. A. Maruca, K. K. Kiefer, S. T. Lepri, and D. McComas (2011), Coronal Electron Temperature from the Solar Wind Scaling Law throughout the Space Age, *Astrophys. J.*, **739**, 9, doi:10.1088/0004-637X/739/1/9.
- [124] Shao, X., S. F. Fung, L. C. Tan, and A. S. Sharma (2011), Acceleration of Magnetospheric Relativistic Electrons by Ultra-Low Frequency Waves: A Comparison between Two Cases Observed by Cluster and LANL Satellites, in *American Institute of Physics Conference Series*, *American Institute of Physics Conference Series*, vol. 1320, edited by D. Vassiliadis, S. F. Fung, X. Shao, I. A. Daglis, & J. D. Huba , pp. 35–42, doi:10.1063/1.3544334.

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- [125] Smith, E. J. (2011), Solar cycle evolution of the heliospheric magnetic field: The Ulysses legacy, *J. Atmos. Solar-Terr. Phys.*, **73**, 277–289, doi:10.1016/j.jastp.2010.03.019.
- [126] Spangler, S. R., A. H. Savage, and S. Redfield (2011), Properties of Turbulence in the Very Local Interstellar Clouds, *Astrophys. J.*, **742**, 30, doi:10.1088/0004-637X/742/1/30.
- [127] Steed, K., C. J. Owen, P. Démoulin, and S. Dasso (2011), Investigating the observational signatures of magnetic cloud substructure, *J. Geophys. Res.*, **116**, 1106, doi:10.1029/2010JA015940.
- [128] Tan, L. C., D. V. Reames, C. K. Ng, X. Shao, and L. Wang (2011), What Causes Scatter-free Transport of Non-relativistic Solar Electrons?, *Astrophys. J.*, **728**, 133, doi:10.1088/0004-637X/728/2/133.
- [129] Tan, L. C., X. Shao, A. S. Sharma, and S. F. Fung (2011), Relativistic electron acceleration by compressional-mode ULF waves: Evidence from correlated Cluster, Los Alamos National Laboratory spacecraft, and ground-based magnetometer measurements, *J. Geophys. Res.*, **116**, 7226, doi:10.1029/2010JA016226.
- [130] Temmer, M., A. M. Veronig, N. Gopalswamy, and S. Yashiro (2011), Relation Between the 3D-Geometry of the Coronal Wave and Associated CME During the 26 April 2008 Event, *Solar Phys.*, **273**, 421–432, doi:10.1007/s11207-011-9746-1.
- [131] Temmer, M., T. Rollett, C. Möstl, A. M. Veronig, B. Vršnak, and D. Odstrčil (2011), Influence of the Ambient Solar Wind Flow on the Propagation Behavior of Interplanetary Coronal Mass Ejections, *Astrophys. J.*, **743**, 101, doi:10.1088/0004-637X/743/2/101.
- [132] Thejappa, G., R. J. MacDowall, and N. Gopalswamy (2011), Effects of Refraction on Angles and Times of Arrival of Solar Radio Bursts, *Astrophys. J.*, **734**, 16, doi:10.1088/0004-637X/734/1/16.
- [133] Trotta, E. M., and G. Zimbardo (2011), Quasi-ballistic and superdiffusive transport for impulsive solar particle events, *Astron. & Astrophys.*, **530**, A130, doi:10.1051/0004-6361/201016278.
- [134] Valentini, F., F. Califano, D. Perrone, F. Pegoraro, and P. Veltri (2011), New Ion-Wave Path in the Energy Cascade, *Phys. Rev. Lett.*, **106**, 165,002, doi:10.1103/PhysRevLett.106.165002.
- [135] Vallée, J. P. (2011), Magnetic fields in the nearby Universe, as observed in solar and planetary realms, stars, and interstellar starforming nurseries, *New Astron. Rev.*, **55**, 23–90, doi:10.1016/j.newar.2011.01.001.
- [136] Vasanth, V., S. Umapathy, B. Vršnak, and M. Anna Lakshmi (2011), Characteristics of Type-II Radio Bursts Associated with Flares and CMEs, *Solar Phys.*, **273**, 143–162, doi:10.1007/s11207-011-9854-y.

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- [137] Vidojević, S., A. Zaslavsky, M. Maksimović, M. Dražić, and O. Atanacković (2011), Statistical Analysis of Langmuir Waves Associated with Type III Radio Bursts: I. Wind Observations, *Baltic Astron.*, **20**, 596–599.
- [138] Villante, U., and M. Piersanti (2011), Sudden impulses at geosynchronous orbit and at ground, *J. Atmos. Solar-Terr. Phys.*, **73**, 61–76, doi:10.1016/j.jastp.2010.01.008.
- [139] Vocks, C. (2011), Kinetic Models for Whistler Wave Scattering of Electrons in the Solar Corona and Wind, *Space Sci. Rev.*, p. 106, doi:10.1007/s11214-011-9749-0.
- [140] Volwerk, M., J. Berchem, Y. V. Bogdanova, O. D. Constantinescu, M. W. Dunlop, J. P. Eastwood, P. Escoubet, A. N. Fazakerley, H. Frey, H. Hasegawa, B. Lavraud, E. V. Panov, C. Shen, J. K. Shi, M. G. G. T. Taylor, J. Wang, J. A. Wild, Q. H. Zhang, O. Amm, and J. M. Weygand (2011), Interplanetary magnetic field rotations followed from L1 to the ground: the response of the Earth's magnetosphere as seen by multi-spacecraft and ground-based observations, *Ann. Geophys.*, **29**, 1549–1569, doi:10.5194/angeo-29-1549-2011.
- [141] Wang, L., R. P. Lin, and S. Krucker (2011), Pitch-angle Distributions and Temporal Variations of 0.3–300 keV Solar Impulsive Electron Events, *Astrophys. J.*, **727**, 121, doi:10.1088/0004-637X/727/2/121.
- [142] Wang, Y.-C., J. Müller, W.-H. Ip, and U. Motschmann (2011), A 3D hybrid simulation study of the electromagnetic field distributions in the lunar wake, *Icarus*, **216**, 415–425, doi:10.1016/j.icarus.2011.09.021.
- [143] Wei, H.-L., S. A. Billings, A. Surjalal Sharma, S. Wing, R. J. Boynton, and S. N. Walker (2011), Forecasting relativistic electron flux using dynamic multiple regression models, *Ann. Geophys.*, **29**, 415–420, doi:10.5194/angeo-29-415-2011.
- [144] White, S. M., A. O. Benz, S. Christe, F. Fárník, M. R. Kundu, G. Mann, Z. Ning, J.-P. Raulin, A. V. R. Silva-Válio, P. Saint-Hilaire, N. Vilmer, and A. Warmuth (2011), The Relationship Between Solar Radio and Hard X-ray Emission, *Space Sci. Rev.*, **159**, 225–261, doi:10.1007/s11214-010-9708-1.
- [145] Wicks, R. T., T. S. Horbury, C. H. K. Chen, and A. A. Schekochihin (2011), Anisotropy of Imbalanced Alfvénic Turbulence in Fast Solar Wind, *Phys. Rev. Lett.*, **106**, 045,001, doi:10.1103/PhysRevLett.106.045001.
- [146] Wilson, L. B., III, C. A. Cattell, P. J. Kellogg, J. R. Wygant, K. Goetz, A. Breneman, and K. Kersten (2011), The properties of large amplitude whistler mode waves in the magnetosphere: Propagation and relationship with geomagnetic activity, *Geophys. Res. Lett.*, **38**, 17,107, doi:10.1029/2011GL048671.
- [147] Wood, B. E., C.-C. Wu, R. A. Howard, D. G. Socker, and A. P. Rouillard (2011), Empirical Reconstruction and Numerical Modeling of the First Geoeffective Coronal Mass Ejection of Solar Cycle 24, *Astrophys. J.*, **729**, 70, doi:10.1088/0004-637X/729/1/70.

**List of Refereed Publications**  
**Wind Spacecraft: 2011**

- [148] Wu, C.-C., and R. P. Lepping (2011), Statistical Comparison of Magnetic Clouds with Interplanetary Coronal Mass Ejections for Solar Cycle 23, *Solar Phys.*, **269**, 141–153, doi:10.1007/s11207-010-9684-3.
- [149] Wu, C.-C., M. Dryer, S. T. Wu, B. E. Wood, C. D. Fry, K. Liou, and S. Plunkett (2011), Global three-dimensional simulation of the interplanetary evolution of the observed geo-effective coronal mass ejection during the epoch 1-4 August 2010, *J. Geophys. Res.*, **116**, 12,103, doi:10.1029/2011JA016947.
- [150] Xu, X., F. Wei, and X. Feng (2011), Observations of reconnection exhausts associated with large-scale current sheets within a complex ICME at 1 AU, *J. Geophys. Res.*, **116**, 5105, doi:10.1029/2010JA016159.
- [151] Yang, L., X. Feng, C. Xiang, S. Zhang, and S. T. Wu (2011), Simulation of the Unusual Solar Minimum with 3D SIP-CESE MHD Model by Comparison with Multi-Satellite Observations, *Solar Phys.*, **271**, 91–110, doi:10.1007/s11207-011-9785-7.
- [152] Yang, L.-P., X.-S. Feng, C.-Q. Xiang, and C.-W. Jiang (2011), Numerical Validation and Comparison of Three Solar Wind Heating Methods by the SIP-CESE MHD Model, *Chinese Phys. Lett.*, **28**(3), 039,601, doi:10.1088/0256-307X/28/3/039601.
- [153] Yizengaw, E., M. B. Moldwin, A. Mebrahtu, B. Damtie, E. Zesta, C. E. Valladares, and P. Doherty (2011), Comparison of storm time equatorial ionospheric electrodynamics in the African and American sectors, *J. Atmos. Solar-Terr. Phys.*, **73**, 156–163, doi:10.1016/j.jastp.2010.08.008.
- [154] Zhai, Y., S. A. Cummer, J. L. Green, B. W. Reinisch, M. L. Kaiser, M. J. Reiner, and K. Goetz (2011), Magnetospheric radio tomographic imaging with IMAGE and Wind, *J. Geophys. Res.*, **116**, 12,208, doi:10.1029/2011JA016743.
- [155] Zhang, B., W. Lotko, M. J. Wiltberger, O. J. Brambles, and P. A. Damiano (2011), A statistical study of magnetosphere-ionosphere coupling in the Lyon-Fedder-Mobarry global MHD model, *J. Atmos. Solar-Terr. Phys.*, **73**, 686–702, doi:10.1016/j.jastp.2010.09.027.
- [156] Znatkova, S. S., E. E. Antonova, G. N. Zastenker, and I. P. Kirpichev (2011), Pressure balance on the magnetopause near the subsolar point according to observational data of the THEMIS project satellites, *Cosmic Res.*, **49**, 3–20, doi:10.1134/S0010952510061048.