References

[1] Afanasiev, A. N. (2010), An Investigation of the Role of Propagation Effects in the Formation of Drifting Narrowband Type II Fiber Bursts on the Dynamic Spectrum, *Solar Phys.*, *261*, 295–309, doi:10.1007/s11207-009-9499-2.

[2] Agueda, N., R. Vainio, D. Lario, and B. Sanahuja (2010), Solar near-relativistic electron observations as a proof of a back-scatter region beyond 1 AU during the 2000 February 18 event, *Astron. & Astrophys.*, *519*, A36+, doi:10.1051/0004-6361/200913963.

[3] Alania, M. V., R. Modzelewska, and A. Wawrzynczak (2010), Modeling and experimental study of the 27-day variation of galactic cosmic-ray intensity for a solar wind velocity depending on heliolongitude, *Adv. Space Res.*, *45*, 421–428, doi:10.1016/j.asr.2009.08.009.

[4] Altschul, B. (2010), Testing photons' Bose-Einstein statistics with Compton scattering, *Phys. Rev. D*, *82*, 101,703–+, doi:10.1103/PhysRevD.82.101703.

[5] Aptekar, R. L., S. V. Golenetskii, E. P. Mazets, V. D. Pal'shin, and D. D. Frederiks (2010), CONFERENCES AND SYMPOSIA: Cosmic gamma-ray bursts and gamma repeaters studies with Ioffe Institute Konus experiments, *Phys. Uspekhi*, *53*, 401–406, doi:10.3367/UFNe.0180.201004g.0420.

[6] Ashour-Abdalla, M., J. M. Bosqued, M. El-Alaoui, V. Peroomian, and R. Walker (2010), Observations and simulations of a highly structured plasma sheet during northward IMF, *J. Geophys. Res.*, *115*, A10,227, doi:10.1029/2009JA015135.

[7] Barkhatov, N. A., and S. E. Revunov (2010), Neural network classification of discontinuities in space plasma parameters, *Geomagnetism and Aeronomy*, *50*, 894–904, doi:10.1134/S001679321007011X.

[8] Bemporad, A., and S. Mancuso (2010), First Complete Determination of Plasma Physical Parameters Across a Coronal Mass Ejection-driven Shock, *Astrophys. J.*, *720*, 130–143, doi:10.1088/0004-637X/720/1/130.

[9] Bisi, M. M., R. A. Fallows, A. R. Breen, and I. J. O'Neill (2010), Interplanetary Scintillation Observations of Stream Interaction Regions in the Solar Wind, *Solar Phys.*, *261*, 149–172, doi:10.1007/s11207-009-9471-1.

[10] Bisi, M. M., A. R. Breen, B. V. Jackson, R. A. Fallows, A. P. Walsh, Z. Mikić, P. Riley, C. J. Owen, A. Gonzalez-Esparza, E. Aguilar-Rodriguez, H. Morgan, E. A. Jensen, A. G. Wood, M. J. Owens, M. Tokumaru, P. K. Manoharan, I. V. Chashei, A. S. Giunta, J. A. Linker, V. I. Shishov, S. A. Tyul'Bashev, G. Agalya, S. K. Glubokova, M. S. Hamilton, K. Fujiki, P. P. Hick, J. M. Clover, and B. Pintér (2010), From the Sun to the Earth: The 13 May 2005 Coronal Mass Ejection, *Solar Phys.*, *265*, 49–127, doi:10.1007/s11207-010-9602-8.

[11] Bisi, M. M., B. V. Jackson, A. R. Breen, G. D. Dorrian, R. A. Fallows, J. M. Clover, and P. P. Hick (2010), Three-Dimensional (3-D) Reconstructions of EISCAT IPS Velocity Data

in the Declining Phase of Solar Cycle 23, *Solar Phys.*, *265*, 233–244, doi:10.1007/s11207-010-9594-4.

[12] Blanchard, G. T., and K. B. Baker (2010), Analysis of the step response function relating the interplanetary electric field to the dayside magnetospheric reconnection potential, *J. Geophys. Res.*, *115*, A05,211, doi:10.1029/2009JA014681.

[13] Borodkova, N. L. (2010), Effect of large and sharp changes of solar wind dynamic pressure on the earths's magnetosphere: analysis of several events, *Cosmic Res.*, *48*, 41–55, doi: 10.1134/S001095251001003X.

[14] Bouratzis, C., P. Preka-Papadima, X. Moussas, A. E. Hillaris, C. Caroubalos, C. E. Alissandrakis, P. Tsitsipis, and A. Kontogeorgos (2010), CME on CME Interaction on January 17, 2005, in *9th International Conference of the Hellenic Astronomical Society*, *Astronomical Society of the Pacific Conference Series*, vol. 424, edited by K. Tsinganos, D. Hatzidimitriou, & T. Matsakos, pp. 39–+.

[15] Bouratzis, C., P. Preka-Papadema, A. Hillaris, P. Tsitsipis, A. Kontogeorgos, V. G. Kurt, and X. Moussas (2010), Radio Observations of the 20 January 2005 X-class Flare, *Solar Phys.*, *267*, 343–359, doi:10.1007/s11207-010-9648-7.

[16] Brambles, O. J., W. Lotko, P. A. Damiano, B. Zhang, M. Wiltberger, and J. Lyon (2010), Effects of causally driven cusp O^+ outflow on the storm time magnetosphere-ionosphere system using a multifluid global simulation, *J. Geophys. Res.*, *115*, A00J04, doi:10.1029/2010JA015469.

[17] Byrne, J. P., S. A. Maloney, R. T. J. McAteer, J. M. Refojo, and P. T. Gallagher (2010), Propagation of an Earth-directed coronal mass ejection in three dimensions, *Nature Communications*, *1*, doi:10.1038/ncomms1077.

[18] Cai, L., S. Y. Ma, and Y. L. Zhou (2010), Prediction of SYM-H index during large storms by NARX neural network from IMF and solar wind data, *Ann. Geophys.*, *28*, 381–393, doi:10.5194/angeo-28-381-2010.

[19] Cane, H. V., I. G. Richardson, and T. T. von Rosenvinge (2010), The Properties of Cycle 23 Solar Energetic Proton Events, *Proc. 12th Intl. Solar Wind Conf.*, *1216*, 687–690, doi:10.1063/1.3395960.

[20] Cane, H. V., I. G. Richardson, and T. T. von Rosenvinge (2010), A study of solar energetic particle events of 1997-2006: Their composition and associations, *J. Geophys. Res.*, *115*, A08101, doi:10.1029/2009JA014848.

[21] Cenko, S. B., D. A. Frail, F. A. Harrison, S. R. Kulkarni, E. Nakar, P. C. Chandra, N. R. Butler, D. B. Fox, A. Gal-Yam, M. M. Kasliwal, J. Kelemen, D.-S. Moon, E. O. Ofek, P. A. Price, A. Rau, A. M. Soderberg, H. I. Teplitz, M. W. Werner, D. C.-J. Bock, J. S. Bloom, D. A. Starr, A. V. Filippenko, R. A. Chevalier, N. Gehrels, J. N. Nousek, and T. Piran (2010), The Collimation and Energetics of the Brightest Swift Gamma-ray Bursts, *Astrophys. J.*, *711*, 641–654, doi:10.1088/0004-637X/711/2/641.

[22] Cohen, O., G. D. R. Attrill, N. A. Schwadron, N. U. Crooker, M. J. Owens, C. Downs, and T. I. Gombosi (2010), Numerical simulation of the 12 May 1997 CME Event: The role of magnetic reconnection, *J. Geophys. Res.*, *115*, A10,104, doi:10.1029/2010JA015464.

[23] Cousins, E. D. P., and S. G. Shepherd (2010), A dynamical model of high-latitude convection derived from SuperDARN plasma drift measurements, *J. Geophys. Res.*, *115*, A12329, doi:10.1029/2010JA016017.

[24] Dado, S., and A. Dar (2010), Flares in Long and Short Gamma-ray Bursts, *Astrophys. J.*, *712*, 1172–1190, doi:10.1088/0004-637X/712/2/1172.

[25] Dai, Y., F. Auchère, J.-C. Vial, Y. H. Tang, and W. G. Zong (2010), Large-scale Extreme-Ultraviolet Disturbances Associated with a Limb Coronal Mass Ejection, *Astrophys. J.*, *708*, 913–919, doi:10.1088/0004-637X/708/2/913.

[26] Dalla, S., and N. Agueda (2010), Role of latitude of source region in Solar Energetic Particle events, *Twelfth International Solar Wind Conference*, *1216*, 613–616, doi: 10.1063/1.3395941.

[27] Damiano, P. A., O. J. Brambles, W. Lotko, B. Zhang, M. Wiltberger, and J. Lyon (2010), Effects of solar wind dynamic pressure on the ionospheric O^+ fluence during the 31 August 2005 storm, *J. Geophys. Res.*, *115*, A00J07, doi:10.1029/2010JA015583.

[28] D'Amicis, R., R. Bruno, and B. Bavassano (2010), Geomagnetic activity driven by solar wind turbulence, *Adv. Space Res.*, *46*, 514–520, doi:10.1016/j.asr.2009.08.031.

[29] de Lauretis, M., P. Francia, M. Regi, U. Villante, and A. Piancatelli (2010), Pc3 pulsations in the polar cap and at low latitude, *J. Geophys. Res.*, *115*, A11223, doi: 10.1029/2010JA015967.

[30] Desai, M. I., M. A. Dayeh, and G. M. Mason (2010), Origin of Quiet-Time Suprathermal Tails Near 1 AU, *Twelfth International Solar Wind Conference*, *1216*, 635–638, doi: 10.1063/1.3395946.

[31] Dumitrache, C., N. A. Popescu, and A. Oncica (2010), A CME-ICME study using data from SOHO and Ulysses, *Twelfth International Solar Wind Conference*, *1216*, 424–427, doi:10.1063/1.3395894.

[32] Ebihara, Y., R. Kataoka, A. T. Weatherwax, and M. Yamauchi (2010), Dayside proton aurora associated with magnetic impulse events: South Pole observations, *J. Geophys. Res.*, *115*, A04301, doi:10.1029/2009JA014760.

[33] Ebihara, Y., T. Sakanoi, K. Asamura, M. Hirahara, and M. F. Thomsen (2010), Reimei observation of highly structured auroras caused by nonaccelerated electrons, *J. Geophys. Res.*, *115*, A08320, doi:10.1029/2009JA015009.

[34] Egedal, J., A. Lê, Y. Zhu, W. Daughton, M. Øieroset, T. Phan, R. P. Lin, and J. P. Eastwood (2010), Cause of super-thermal electron heating during magnetotail reconnection, *Geophys. Res. Lett.*, *371*, L10,102, doi:10.1029/2010GL043487.

[35] Elliott, H. A., D. J. McComas, W. H. Matthaeus, and C. J. Henney (2010), Solar Wind Speed And Temperature Relationship, *Twelfth International Solar Wind Conference*, *1216*, 98–101, doi:10.1063/1.3395974.

[36] ErdőS, G., and A. Balogh (2010), North-south asymmetry of the location of the heliospheric current sheet revisited, *J. Geophys. Res.*, *115*, A01105, doi: 10.1029/2009JA014620.

[37] Ezoe, Y., K. Ebisawa, N. Y. Yamasaki, K. Mitsuda, H. Yoshitake, N. Terada, Y. Miyoshi, and R. Fujimoto (2010), Time Variability of the Geocoronal Solar-Wind Charge Exchange in the Direction of the Celestial Equator, *Publ. Astron. Soc. Japan*, *62*, 981–.

[38] Farrugia, C. J., N. V. Erkaev, R. B. Torbert, H. K. Biernat, F. T. Gratton, A. Szabo, H. Kucharek, H. Matsui, R. P. Lin, K. W. Ogilvie, R. P. Lepping, and C. W. Smith (2010), Magnetosheath for almost-aligned solar wind magnetic field and flow vectors: Wind observations across the dawnside magnetosheath at X = -12 Re, *J. Geophys. Res.*, *115*, 8227, doi:10.1029/2009JA015128.

[39] Fear, R. C., S. E. Milan, E. A. Lucek, S. W. H. Cowley, and A. N. Fazakerley (2010), *Mixed Azimuthal Scales of Flux Transfer Events*, pp. 389–398, doi:10.1007/978-90-481-3499-1_27.

[40] Feng, H. Q., D. J. Wu, J. K. Chao, L. C. Lee, and L. H. Lyu (2010), Are all leading shocks driven by magnetic clouds?, *J. Geophys. Res.*, *115*, A04,107, doi:10.1029/2009JA014875.

[41] Fok, M.-C., N. Buzulukova, S.-H. Chen, P. W. Valek, J. Goldstein, and D. J. McComas (2010), Simulation and TWINS observations of the 22 July 2009 storm, *J. Geophys. Res.*, *115*, A12231, doi:10.1029/2010JA015443.

[42] Foullon, C., C. J. Farrugia, C. J. Owen, A. N. Fazakerley, and F. T. Gratton (2010), Kelvin-Helmholtz Multi-Spacecraft Studies at the Earth's Magnetopause Boundaries, *Twelfth International Solar Wind Conference*, *1216*, 483–486, doi:10.1063/1.3395908.

[43] Foullon, C., L. Fletcher, I. G. Hannah, E. Verwichte, B. Cecconi, V. M. Nakariakov, K. J. H. Phillips, and B. L. Tan (2010), From Large-scale Loops to the Sites of Dense Flaring Loops: Preferential Conditions for Long-period Pulsations in Solar Flares, *Astrophys. J.*, *719*, 151–165, doi:10.1088/0004-637X/719/1/151.

[44] Foullon, C., C. J. Farrugia, A. N. Fazakerley, C. J. Owen, F. T. Gratton, and R. B. Torbert (2010), On the multispacecraft determination of periodic surface wave phase speeds and wavelengths, *J. Geophys. Res.*, *115*, 9203, doi:10.1029/2009JA015189.

[45] Fuselier, S. A., H. O. Funsten, D. Heirtzler, P. Janzen, H. Kucharek, D. J. McComas, E. Möbius, T. E. Moore, S. M. Petrinec, D. B. Reisenfeld, N. A. Schwadron, K. J. Trattner, and P. Wurz (2010), Energetic neutral atoms from the Earth's subsolar magnetopause, *Geophys. Res. Lett.*, *371*, L13,101, doi:10.1029/2010GL044140.

[46] Futaana, Y., S. Barabash, M. Wieser, M. Holmström, A. Bhardwaj, M. B. Dhanya, R. Sridharan, P. Wurz, A. Schaufelberger, and K. Asamura (2010), Protons in the near-lunar wake observed by the Sub-keV Atom Reflection Analyzer on board Chandrayaan-1, *J. Geophys. Res.*, *115*, A10,248, doi:10.1029/2010JA015264.

[47] Gershman, D. J., and T. H. Zurbuchen (2010), Modeling extreme ultraviolet suppression of electrostatic analyzers, *Rev. Sci. Inst.*, *81*, 045,111–+, doi:10.1063/1.3378685.

[48] Gopalswamy, N., and P. Mäkelä (2010), Long-duration Low-frequency Type III Bursts and Solar Energetic Particle Events, *Astrophys. J.*, *721*, L62–L66, doi:10.1088/2041-8205/721/1/L62.

[49] Gopalswamy, N., H. Xie, P. Mäkelä, S. Akiyama, S. Yashiro, M. L. Kaiser, R. A. Howard, and J.-L. Bougeret (2010), Interplanetary Shocks Lacking Type II Radio Bursts, *Astrophys. J.*, *710*, 1111–1126, doi:10.1088/0004-637X/710/2/1111.

[50] Gosling, J. T. (2010), Magnetic Reconnection in the Solar Wind: An Update, *Twelfth International Solar Wind Conference*, *1216*, 188–193, doi:10.1063/1.3395833.

[51] Gosling, J. T., W.-L. Teh, and S. Eriksson (2010), A Torsional Alfvén Wave Embedded Within a Small Magnetic Flux Rope in the Solar Wind, *Astrophys. J.*, *719*, L36–L40, doi:10.1088/2041-8205/719/1/L36.

[52] Grimes, E. W., J. D. Perez, J. Goldstein, D. J. McComas, and P. Valek (2010), Global observations of ring current dynamics during corotating interaction region-driven geomagnetic storms in 2008, *J. Geophys. Res.*, *115*, A11207, doi:10.1029/2010JA015409.

[53] Guo, J., X. Feng, J. Zhang, P. Zuo, and C. Xiang (2010), Statistical properties and geoefficiency of interplanetary coronal mass ejections and their sheaths during intense geomagnetic storms, *J. Geophys. Res.*, *115*, A09107, doi:10.1029/2009JA015140.

[54] Guo, J., X. Feng, J. M. Forbes, J. Lei, J. Zhang, and C. Tan (2010), On the relationship between thermosphere density and solar wind parameters during intense geomagnetic storms, *J. Geophys. Res.*, *115*, A12335, doi:10.1029/2010JA015971.

[55] Gupta, V., and Badruddin (2010), High-Speed Solar Wind Streams during 1996 - 2007: Sources, Statistical Distribution, and Plasma/Field Properties, *Solar Phys.*, *264*, 165–188, doi:10.1007/s11207-010-9554-z.

[56] Haaland, S., E. A. Kronberg, P. W. Daly, M. Fränz, L. Degener, E. Georgescu, and I. Dandouras (2010), Spectral characteristics of protons in the Earth's plasmasheet: statistical results from Cluster CIS and RAPID, *Ann. Geophys.*, *28*, 1483–1498, doi:10.5194/angeo-28-1483-2010.

[57] Heilig, B., S. Lotz, J. Verō, P. Sutcliffe, J. Reda, K. Pajunpää, and T. Raita (2010), Empirically modelled Pc3 activity based on solar wind parameters, *Ann. Geophys.*, *28*, 1703–1722, doi:10.5194/angeo-28-1703-2010.

[58] Hillan, D. S., I. H. Cairns, P. A. Robinson, and A. Mohamed (2010), Prediction of background levels for the Wind WAVES instrument and implications for the galactic background radiation, *J. Geophys. Res.*, *115*, A06,102, doi:10.1029/2009JA014714.

[59] Hu, B., F. R. Toffoletto, R. A. Wolf, S. Sazykin, J. Raeder, D. Larson, and A. Vapirev (2010), One-way coupled OpenGGCM/RCM simulation of the 23 March 2007 substorm event, *J. Geophys. Res.*, *115*, A12,205, doi:10.1029/2010JA015360.

[60] Huang, C.-L., H. E. Spence, H. J. Singer, and W. J. Hughes (2010), Modeling radiation belt radial diffusion in ULF wave fields: 1. Quantifying ULF wave power at geosynchronous orbit in observations and in global MHD model, *J. Geophys. Res.*, *115*, A06,215, doi:10.1029/2009JA014917.

[61] Huang, C.-L., H. E. Spence, M. K. Hudson, and S. R. Elkington (2010), Modeling radiation belt radial diffusion in ULF wave fields: 2. Estimating rates of radial diffusion using combined MHD and particle codes, *J. Geophys. Res.*, *115*, A06,216, doi: 10.1029/2009JA014918.

[62] Hurley, K., C. Guidorzi, F. Frontera, E. Montanari, F. Rossi, M. Feroci, E. Mazets, S. Golenetskii, D. D. Frederiks, V. D. Pal'shin, R. L. Aptekar, T. Cline, J. Trombka, T. McClanahan, R. Starr, J.-L. Atteia, C. Barraud, A. Pélangeon, M. Boër, R. Vanderspek, G. Ricker, I. G. Mitrofanov, D. V. Golovin, A. S. Kozyrev, M. L. Litvak, A. B. Sanin, W. Boynton, C. Fellows, K. Harshman, J. Goldsten, R. Gold, D. M. Smith, C. Wigger, and W. Hajdas (2010), The Interplanetary Network Supplement to the BeppoSAX Gamma-ray Burst Catalogs, *Astrophys. J. Suppl.*, *191*, 179–184, doi:10.1088/0067-0049/191/1/179.

[63] Hwang, J., K.-S. Cho, Y.-J. Moon, R.-S. Kim, and Y.-D. Park (2010), Solar proton events during the solar cycle 23 and their association with CME parameters, *Acta Astronautica*, *67*, 353–361.

[64] Jackson, B. V., P. P. Hick, A. Buffington, M. M. Bisi, J. M. Clover, M. S. Hamilton, M. Tokumaru, and K. Fujiki (2010), 3D Reconstruction of Density Enhancements Behind Interplanetary Shocks from Solar Mass Ejection Imager White-Light Observations, *Twelfth International Solar Wind Conference*, *1216*, 659–662, doi:10.1063/1.3395953.

[65] Jackson, B. V., A. Buffington, P. P. Hick, M. M. Bisi, and J. M. Clover (2010), A Heliospheric Imager for Deep Space: Lessons Learned from Helios, SMEI, and STEREO, *Solar Phys.*, *265*, 257–275, doi:10.1007/s11207-010-9579-3.

[66] Juusola, L., K. Andréeová, O. Amm, K. Kauristie, S. E. Milan, M. Palmroth, and N. Partamies (2010), Effects of a solar wind dynamic pressure increase in the magnetosphere and in the ionosphere, *Ann. Geophys.*, *28*, 1945–1959, doi:10.5194/angeo-28-1945-2010.

[67] Kataoka, R., and Y. Miyoshi (2010), Why are relativistic electrons persistently quiet at geosynchronous orbit in 2009?, *Space Weather*, *8*, S08002, doi:10.1029/2010SW000571.

[68] Katsavrias, C., P. Preka-Papadema, and X. Moussas (2010), Study Of The Solar Wind Parameters During The 23rd Solar Cycle, in *American Institute of Physics Conference Series*, *American Institute of Physics Conference Series*, vol. 1203, edited by A. Angelopoulos and T. Fildisis, pp. 103–108, doi:10.1063/1.3322305.

[69] Katsikas, V., G. Exarhos, and X. Moussas (2010), Study of the solar Slow Sonic, Alfvén and Fast Magnetosonic transition surfaces, *Adv. Space Res.*, *46*, 382–390, doi: 10.1016/j.asr.2010.05.003.

[70] Klein, K.-L., G. Trottet, and A. Klassen (2010), Energetic Particle Acceleration and Propagation in Strong CME-Less Flares, *Solar Phys.*, *263*, 185–208, doi:10.1007/s11207-010-9540-5.

[71] Kocharov, L., M. J. Reiner, A. Klassen, B. J. Thompson, and E. Valtonen (2010), Observed Core of a Gradual Solar Energetic Particle Event, *Astrophys. J.*, *725*, 2262–2269, doi:10.1088/0004-637X/725/2/2262.

[72] Koval, A., and A. Szabo (2010), Multispacecraft observations of interplanetary shock shapes on the scales of the Earth's magnetosphere, *J. Geophys. Res.*, *115*, 12,105, doi: 10.1029/2010JA015373.

[73] Krupar, V., M. Maksimovic, O. Santolik, B. Cecconi, Q. N. Nguyen, S. Hoang, and K. Goetz (2010), The apparent source size of type III radio bursts: Preliminary results by the STEREO/WAVES instruments, *Twelfth International Solar Wind Conference*, *1216*, 284–287, doi:10.1063/1.3395856.

[74] Kullen, A., T. Karlsson, J. A. Cumnock, and T. Sundberg (2010), Occurrence and properties of substorms associated with pseudobreakups, *J. Geophys. Res.*, *115*, A12310, doi: 10.1029/2010JA015866.

[75] Kumar, P., A. K. Srivastava, B. V. Somov, P. K. Manoharan, R. Erdélyi, and W. Uddin (2010), Evidence of Solar Flare Triggering Due to Loop-loop Interaction Caused by Footpoint Shear Motion, *Astrophys. J.*, *723*, 1651–1664, doi:10.1088/0004-637X/723/2/1651.

[76] Kumar, S., and A. Raizada (2010), Geoeffectiveness of magnetic clouds occurred during solar cycle 23, *Planet. Space Sci.*, *58*, 741–748, doi:10.1016/j.pss.2009.11.009.

[77] Lallement, R., E. Quémerais, P. Lamy, J.-L. Bertaux, S. Ferron, and W. Schmidt (2010), The Solar Wind as Seen by SOHO/SWAN Since 1996: Comparison with SOHO/LASCO C2 Coronal Densities, in *SOHO-23: Understanding a Peculiar Solar Minimum*, *Astronomical Society of the Pacific Conference Series*, vol. 428, edited by S. R. Cranmer, J. T. Hoeksema, and J. L. Kohl, p. 253.

[78] Lee, C. O., J. G. Luhmann, I. de Pater, G. M. Mason, D. Haggerty, I. G. Richardson, H. V. Cane, L. K. Jian, C. T. Russell, and M. I. Desai (2010), Organization of Energetic Particles by the Solar Wind Structure During the Declining to Minimum Phase of Solar Cycle 23, *Solar Phys.*, *263*, 239–261, doi:10.1007/s11207-010-9556-x.

[79] Leitner, M., and C. J. Farrugia (2010), Solar wind quasi invariant within ICMEs, *Twelfth International Solar Wind Conference*, *1216*, 652–654, doi:10.1063/1.3395951.

[80] Lepping, R. P., and C.-C. Wu (2010), Selection effects in identifying magnetic clouds and the importance of the closest approach parameter, *Ann. Geophys.*, *28*, 1539–1552, doi:10.5194/angeo-28-1539-2010.

[81] Lepping, R. P., C.-C. Wu, D. B. Berdichevsky, and A. Szabo (2010), Magnetic Clouds at/near the 2007 - 2009 Solar Minimum: Frequency of Occurrence and Some Unusual Properties, *Solar Phys.*, pp. 259–+, doi:10.1007/s11207-010-9646-9.

[82] Li, C., C. J. Owen, S. A. Matthews, Y. Dai, and Y. H. Tang (2010), Major Electron Events and Coronal Magnetic Configurations of the Related Solar Active Regions, *Astrophys. J.*, *720*, L36–L40, doi:10.1088/2041-8205/720/1/L36.

[83] Li, H., C. Wang, and J. R. Kan (2010), Midday magnetopause shifts earthward of geosynchronous orbit during geomagnetic superstorms with Dst $\leq$ -300 nT, *J. Geophys. Res.*, *115*, A08230, doi:10.1029/2009JA014612.

[84] Li, Y., B. J. Lynch, B. T. Welsch, G. A. Stenborg, J. G. Luhmann, G. H. Fisher, Y. Liu, and R. W. Nightingale (2010), Sequential Coronal Mass Ejections from AR8038 in May 1997, *Solar Phys.*, *264*, 149–164, doi:10.1007/s11207-010-9547-y.

[85] Li, Z., F. S. Wei, X. S. Feng, and X. H. Zhao (2010), The "Same Side - Opposite Side Effect" of the Heliospheric Current Sheet in Ionospheric Negative Storms, *Solar Phys.*, *263*, 263–273, doi:10.1007/s11207-010-9559-7.

[86] Lin, R. L., X. X. Zhang, S. Q. Liu, Y. L. Wang, and J. C. Gong (2010), A three-dimensional asymmetric magnetopause model, *J. Geophys. Res.*, *115*, A04207, doi: 10.1029/2009JA014235.

[87] Liou, K., and P. T. Newell (2010), On the azimuthal location of auroral breakup: Hemispheric asymmetry, *Geophys. Res. Lett.*, *37*, L23103, doi:10.1029/2010GL045537.

[88] Liu, J.-M., B.-C. Zhang, Y. Kamide, Z.-S. Wu, Z.-J. Hu, and H.-G. Yang (2010), Observation of a double-onset substorm during northward interplanetary magnetic field, *J. Atmos. Solar-Terr. Phys.*, *72*, 864–868, doi:10.1016/j.jastp.2010.04.010.

[89] Liu, L.-J., X.-Z. Zhang, J.-B. Li, P. K. Manoharan, Z.-Y. Liu, and B. Peng (2010), Observations of interplanetary scintillation with a single-station mode at Urumqi, *Res. Astron. Astrophys.*, *10*, 577–586, doi:10.1088/1674-4527/10/6/007.

[90] Liu, R., J. Lee, T. Wang, G. Stenborg, C. Liu, and H. Wang (2010), A Reconnecting Current Sheet Imaged in a Solar Flare, *Astrophys. J.*, *723*, L28–L33, doi:10.1088/2041-8205/723/1/L28.

[91] Luhmann, J. G., S. A. Ledvina, D. Odstrcil, M. J. Owens, X.-P. Zhao, Y. Liu, and P. Riley (2010), Cone model-based SEP event calculations for applications to multipoint observations, *Adv. Space Res.*, *46*, 1–21, doi:10.1016/j.asr.2010.03.011.

[92] Lui, A. T. Y., E. Spanswick, E. F. Donovan, J. Liang, W. W. Liu, O. LeContel, and Q.-G. Zong (2010), A transient narrow poleward extrusion from the diffuse aurora and the concurrent magnetotail activity, *J. Geophys. Res.*, *115*, A10210, doi:10.1029/2010JA015449.

[93] Macek, W. M. (2010), Chaos and multifractals in the solar wind, *Adv. Space Res.*, *46*, 526–531, doi:10.1016/j.asr.2008.12.026.

[94] Malaspina, D. M., I. H. Cairns, and R. E. Ergun (2010), The $2f_p$ radiation from localized Langmuir waves, *J. Geophys. Res.*, *115*, A01101, doi:10.1029/2009JA014609.

[95] Malaspina, D. M., P. J. Kellogg, S. D. Bale, and R. E. Ergun (2010), Measurements of Rapid Density Fluctuations in the Solar Wind, *Astrophys. J.*, *711*, 322–327, doi: 10.1088/0004-637X/711/1/322.

[96] Manninen, J., N. G. Kleimenova, O. V. Kozyreva, and T. Turunen (2010), Pc5 geomagnetic pulsations, pulsating particle precipitation, and VLF chorus: Case study on 24 November 2006, *J. Geophys. Res.*, *115*, A00F14, doi:10.1029/2009JA014837.

[97] Marchand, R., J. K. Burchill, and D. J. Knudsen (2010), Modelling Electrostatic Sheath Effects on Swarm Electric Field Instrument Measurements, *Space Sci. Rev.*, *156*, 73–87, doi:10.1007/s11214-010-9735-y.

[98] Marsch, E. (2010), Helios: Evolution of Distribution Functions 0.3-1 AU, *Space Sci. Rev.*, pp. 188–+, doi:10.1007/s11214-010-9734-z.

[99] Matthaeus, W. H., S. Dasso, J. M. Weygand, M. G. Kivelson, and K. T. Osman (2010), Eulerian Decorrelation of Fluctuations in the Interplanetary Magnetic Field, *Astrophys. J.*, *721*, L10–L13, doi:10.1088/2041-8205/721/1/L10.

[100] McCollough, J. P., S. R. Elkington, M. E. Usanova, I. R. Mann, D. N. Baker, and Z. C. Kale (2010), Physical mechanisms of compressional EMIC wave growth, *J. Geophys. Res.*, *115*, A10214, doi:10.1029/2010JA015393.

[101] McComas, D. J., M. Bzowski, P. Frisch, G. B. Crew, M. A. Dayeh, R. DeMajistre, H. O. Funsten, S. A. Fuselier, M. Gruntman, P. Janzen, M. A. Kubiak, G. Livadiotis, E. Möbius, D. B. Reisenfeld, and N. A. Schwadron (2010), Evolving outer heliosphere: Large-scale stability and time variations observed by the Interstellar Boundary Explorer, *J. Geophys. Res.*, *115*, A09113, doi:10.1029/2010JA015569.

[102] Min, K., J. Lee, and K. Keika (2010), Chorus wave generation near the dawnside magnetopause due to drift shell splitting of substorm-injected electrons, *J. Geophys. Res.*, *115*, A00I02, doi:10.1029/2010JA015474.

[103] Mishin, V. M., A. D. Bazarzhapov, U. Sukhbaatar, and M. Förster (2010), Electric circuits of the disturbed magnetosphere-ionosphere system and their generators, *Geomagnetism and Aeronomy*, *50*, 988–996, doi:10.1134/S0016793210080098.

[104] Morley, S. K., R. H. W. Friedel, T. E. Cayton, and E. Noveroske (2010), A rapid, global and prolonged electron radiation belt dropout observed with the Global Positioning System constellation, *Geophys. Res. Lett.*, *37*, L06102, doi:10.1029/2010GL042772.

[105] Morley, S. K., R. H. W. Friedel, E. L. Spanswick, G. D. Reeves, J. T. Steinberg, J. Koller, T. Cayton, and E. Noveroske (2010), Dropouts of the outer electron radiation belt in response to solar wind stream interfaces: global positioning system observations, *Royal Soc. London Proc. Ser. A*, *466*, 3329–3350, doi:10.1098/rspa.2010.0078.

[106] Möstl, C., M. Temmer, T. Rollett, C. J. Farrugia, Y. Liu, A. M. Veronig, M. Leitner, A. B. Galvin, and H. K. Biernat (2010), STEREO and Wind observations of a fast ICME flank triggering a prolonged geomagnetic storm on 5-7 April 2010, *Geophys. Res. Lett.*, *372*, L24,103, doi:10.1029/2010GL045175.

[107] Motoba, T., K. Hosokawa, N. Sato, A. Kadokura, and G. Bjornsson (2010), Varying interplanetary magnetic field B_y effects on interhemispheric conjugate auroral features during a weak substorm, *J. Geophys. Res.*, *115*, A09210, doi:10.1029/2010JA015369.

[108] Myagkova, I. M., M. O. Riazantseva, E. E. Antonova, and B. V. Marjin (2010), Enhancements of fluxes of precipitating energetic electrons on the boundary of the outer radiation belt of the earth and position of the auroral oval boundaries, *Cosmic Res.*, *48*, 165–173, doi:10.1134/S0010952510020061.

[109] Niehof, J. T., T. A. Fritz, R. H. W. Friedel, and J. Chen (2010), Size and location of cusp diamagnetic cavities observed by Polar, *J. Geophys. Res.*, *115*, A07201, doi:10.1029/2009JA014827.

[110] Nishimura, Y., T. Kikuchi, A. Shinbori, J. Wygant, Y. Tsuji, T. Hori, T. Ono, S. Fujita, and T. Tanaka (2010), Direct measurements of the Poynting flux associated with convection electric fields in the magnetosphere, *J. Geophys. Res.*, *115*, A12212, doi:10.1029/2010JA015491.

[111] Novikova, E. I., W. F. Dietrich, A. J. Tylka, J. Collins, and B. F. Phlips (2010), Monte Carlo calibration of the response of the University of Chicago's Cosmic Ray Nuclei Experiment (CRNE) on IMP-8 to electrons above 0.5 MeV, *Adv. Space Res.*, *46*, 31–43, doi:10.1016/j.asr.2010.03.012.

[112] Oksavik, K., V. L. Barth, J. Moen, and M. Lester (2010), On the entry and transit of high-density plasma across the polar cap, *J. Geophys. Res.*, *115*, A12,308, doi:10.1029/2010JA015817.

[113] Ono, T., A. Kumamoto, Y. Kasahara, Y. Yamaguchi, A. Yamaji, T. Kobayashi, S. Oshigami, H. Nakagawa, Y. Goto, K. Hashimoto, Y. Omura, T. Imachi, H. Matsumoto, and H. Oya (2010), The Lunar Radar Sounder (LRS) Onboard the KAGUYA (SELENE) Spacecraft, *Space Sci. Rev.*, *154*, 145–192, doi:10.1007/s11214-010-9673-8.

[114] Osten, R. A., O. Godet, S. Drake, J. Tueller, J. Cummings, H. Krimm, J. Pye, V. Pal'shin, S. Golenetskii, F. Reale, S. R. Oates, M. J. Page, and A. Melandri (2010), The Mouse

That Roared: A Superflare from the dMe Flare Star EV Lac Detected by Swift and Konus-Wind, *Astrophys. J.*, *721*, 785–801, doi:10.1088/0004-637X/721/1/785.

[115] Panchenko, M., H. O. Rucker, M. L. Kaiser, O. C. St. Cyr, J.-L. Bougeret, K. Goetz, and S. D. Bale (2010), New periodicity in Jovian decametric radio emission, *Geophys. Res. Lett.*, *370*, L05,106, doi:10.1029/2010GL042488.

[116] Papaioannou, A., O. Malandraki, A. Belov, R. Skoug, H. Mavromichalaki, E. Eroshenko, A. Abunin, and S. Lepri (2010), On the Analysis of the Complex Forbush Decreases of January 2005, *Solar Phys.*, *266*, 181–193, doi:10.1007/s11207-010-9601-9.

[117] Pappa Kalaivani, P., S. Umapathy, A. Shanmugaraju, and O. Prakash (2010), Characteristics of coronal mass ejection associated with DH type II radio bursts (All and Limb events), *Astrophys. Space Sci.*, *330*, 237–242, doi:10.1007/s10509-010-0405-z.

[118] Parkhomov, V. A., G. N. Zastenker, M. O. Riazantseva, B. Tsegmed, and T. A. Popova (2010), Bursts of geomagnetic pulsations in the frequency range 0.2-5 Hz excited by large changes of the solar wind pressure, *Cosmic Res.*, *48*, 86–100, doi: 10.1134/S0010952510010077.

[119] Petoussis, V., P. Tsitsipis, A. Kontogeorgos, X. Moussas, P. Preka-Papadema, A. Hillaris, C. Caroubalos, C. E. Alissandrakis, J.-L. Bougeret, and G. Dumas (2006), Type II and IV radio bursts in the active period October-November 2003, in *Recent Advances in Astronomy and Astrophysics*, *American Institute of Physics Conference Series*, vol. 848, edited by N. Solomos, pp. 199–206, doi:10.1063/1.2347978.

[120] Phan, T. D., J. T. Gosling, G. Paschmann, C. Pasma, J. F. Drake, M. Øieroset, D. Larson, R. P. Lin, and M. S. Davis (2010), The Dependence of Magnetic Reconnection on Plasma β and Magnetic Shear: Evidence from Solar Wind Observations, *Astrophys. J.*, *719*, L199–L203, doi:10.1088/2041-8205/719/2/L199.

[121] Pierrard, V., and M. Lazar (2010), Kappa Distributions: Theory and Applications in Space Plasmas, *Solar Phys.*, *267*, 153–174, doi:10.1007/s11207-010-9640-2.

[122] Pierrard, V., and Y. Voitenko (2010), Velocity Distributions and Proton Beam Production in the Solar Wind, *Twelfth International Solar Wind Conference*, *1216*, 102–105, doi: 10.1063/1.3395812.

[123] Podesta, J. J. (2010), Theory of solar wind turbulence with scale-dependent alignment, anisotropy, and cross-helicity, *Twelfth International Solar Wind Conference*, *1216*, 115–119, doi:10.1063/1.3395814.

[124] Podesta, J. J., and A. Bhattacharjee (2010), Theory of Incompressible Magnetohydrodynamic Turbulence with Scale-dependent Alignment and Cross-helicity, *Astrophys. J.*, *718*, 1151–1157, doi:10.1088/0004-637X/718/2/1151.

[125] Podesta, J. J., and J. E. Borovsky (2010), Scale invariance of normalized cross-helicity throughout the inertial range of solar wind turbulence, *Phys. Plasmas*, *17*, 112,905–+, doi:10.1063/1.3505092.

[126] Potapov, A. S., and T. N. Polyushkina (2010), Experimental evidence for direct penetration of ULF waves from the solar wind and their possible effect on acceleration of radiation belt electrons, *Geomagnetism and Aeronomy*, *50*, 950–957, doi: 10.1134/S0016793210080049.

[127] Prakash, O., S. Umapathy, A. Shanmugaraju, P. Pappa Kalaivani, and B. Vršnak (2010), Type-II Bursts in Meter and Deca - Hectometer Wavelengths and Their Relation to Flares and CMEs: II, *Solar Phys.*, *266*, 135–147, doi:10.1007/s11207-010-9604-6.

[128] Pulupa, M. P., S. D. Bale, and J. C. Kasper (2010), Langmuir waves upstream of interplanetary shocks: Dependence on shock and plasma parameters, *J. Geophys. Res.*, *115*, A04,106, doi:10.1029/2009JA014680.

[129] Reames, D. V. (2010), Remote Sensing of Magnetic-Cloud Topology, *Solar Phys.*, *265*, 187–195, doi:10.1007/s11207-010-9527-2.

[130] Reames, D. V., and C. K. Ng (2010), Streaming-limited Intensities of Solar Energetic Particles on the Intensity Plateau, *Astrophys. J.*, *723*, 1286–1293, doi:10.1088/0004-637X/723/2/1286.

[131] Reid, H. A. S., and E. P. Kontar (2010), Solar Wind Density Turbulence and Solar Flare Electron Transport from the Sun to the Earth, *Astrophys. J.*, *721*, 864–874, doi: 10.1088/0004-637X/721/1/864.

[132] Richardson, I. G., and H. V. Cane (2010), Near-Earth Interplanetary Coronal Mass Ejections During Solar Cycle 23 (1996 - 2009): Catalog and Summary of Properties, *Solar Phys.*, *264*, 189–237, doi:10.1007/s11207-010-9568-6.

[133] Richardson, I. G., and H. V. Cane (2010), Interplanetary circumstances of quasi-perpendicular interplanetary shocks in 1996-2005, *J. Geophys. Res.*, *115*, A07103, doi: 10.1029/2009JA015039.

[134] Richardson, J. D. (2010), How are the Present Solar Minimum Conditions Transmitted to the Outer Heliosphere and Heliosheath?, in *SOHO-23: Understanding a Peculiar Solar Minimum*, *Astronomical Society of the Pacific Conference Series*, vol. 428, edited by S. R. Cranmer, J. T. Hoeksema, and J. L. Kohl, p. 245.

[135] Richardson, J. D., and C. Wang (2010), Plasma Near the Heliosheath: Observations and Interpretations, *Astrophys. J. Lett.*, *711*, L44–L47, doi:10.1088/2041-8205/711/1/L44.

[136] Rodriguez, J. V., T. G. Onsager, and J. E. Mazur (2010), The east-west effect in solar proton flux measurements in geostationary orbit: A new GOES capability, *Geophys. Res. Lett.*, *37*, L07109, doi:10.1029/2010GL042531.

[137] Roldugin, A. V., V. G. Vorobjev, V. C. Roldugin, and S. A. Chernouss (2010), Ground-based observations of auroras under the sunlit conditions, *Geomagnetism and Aeronomy*, *50*, 34–40, doi:10.1134/S0016793210010044.

[138] Rouillard, A. P., B. Lavraud, N. R. Sheeley, J. A. Davies, L. F. Burlaga, N. P. Savani, C. Jacquey, and R. J. Forsyth (2010), White Light and In Situ Comparison of a Forming Merged Interaction Region, *Astrophys. J.*, *719*, 1385–1392, doi:10.1088/0004-637X/719/2/1385.

[139] Safargaleev, V., A. Kozlovsky, F. Honary, A. Voronin, and T. Turunen (2010), Geomagnetic disturbances on ground associated with particle precipitation during SC, *Ann. Geophys.*, *28*, 247–265, doi:10.5194/angeo-28-247-2010.

[140] Saito, Y., S. Yokota, K. Asamura, T. Tanaka, M. N. Nishino, T. Yamamoto, Y. Terakawa, M. Fujimoto, H. Hasegawa, H. Hayakawa, M. Hirahara, M. Hoshino, S. Machida, T. Mukai, T. Nagai, T. Nagatsuma, T. Nakagawa, M. Nakamura, K.-I. Oyama, E. Sagawa, S. Sasaki, K. Seki, I. Shinohara, T. Terasawa, H. Tsunakawa, H. Shibuya, M. Matsushima, H. Shimizu, and F. Takahashi (2010), In-flight Performance and Initial Results of Plasma Energy Angle and Composition Experiment (PACE) on SELENE (Kaguya), *Space Sci. Rev.*, *154*, 265–303, doi:10.1007/s11214-010-9647-x.

[141] Sandholt, P. E., Y. Andalsvik, and C. J. Farrugia (2010), Polar cap convection/precipitation states during Earth passage of two ICMEs at solar minimum, *Ann. Geophys.*, *28*, 1023–1042, doi:10.5194/angeo-28-1023-2010.

[142] Sandholt, P. E., Y. Andalsvik, and C. J. Farrugia (2010), Polar cap flow channel events: spontaneous and driven responses, *Ann. Geophys.*, *28*, 2015–2025, doi:10.5194/angeo-28-2015-2010.

[143] Sarris, T. E., W. Liu, X. Li, K. Kabin, E. R. Talaat, R. Rankin, V. Angelopoulos, J. Bonnell, and K.-H. Glassmeier (2010), THEMIS observations of the spatial extent and pressure-pulse excitation of field line resonances, *Geophys. Res. Lett.*, *37*, L15104, doi:10.1029/2010GL044125.

[144] Selesnick, R. S., M. K. Hudson, and B. T. Kress (2010), Injection and loss of inner radiation belt protons during solar proton events and magnetic storms, *J. Geophys. Res.*, *115*, A08211, doi:10.1029/2010JA015247.

[145] Sergeev, V. A., T. A. Kornilova, I. A. Kornilov, V. Angelopoulos, M. V. Kubyshkina, M. Fillingim, R. Nakamura, J. P. McFadden, and D. Larson (2010), Auroral signatures of the plasma injection and dipolarization in the inner magnetosphere, *J. Geophys. Res.*, *115*, A02202, doi:10.1029/2009JA014522.

[146] Shen, F., X. Feng, C. Xiang, and W. Song (2010), The statistical and numerical study of the global distribution of coronal plasma and magnetic field near 2.5 Rs over a 10-year period, *J. Atmos. Solar-Terr. Phys.*, *72*, 1008–1018, doi:10.1016/j.jastp.2010.05.016.

[147] Shevchenko, I. G., V. Sergeev, M. Kubyshkina, V. Angelopoulos, K. H. Glassmeier, and H. J. Singer (2010), Estimation of magnetosphere-ionosphere mapping accuracy using isotropy boundary and THEMIS observations, *J. Geophys. Res.*, *115*, A11206, doi:10.1029/2010JA015354.

[148] Sigsbee, K., J. D. Menietti, O. Santolík, and J. S. Pickett (2010), Locations of chorus emissions observed by the Polar Plasma Wave Instrument, *J. Geophys. Res.*, *115*, A00F12, doi:10.1029/2009JA014579.

[149] Singh, A. K., D. Siingh, and R. P. Singh (2010), Space Weather: Physics, Effects and Predictability, *Surveys in Geophys.*, *31*, 581–638, doi:10.1007/s10712-010-9103-1.

[150] Smith, D. M. (2010), Hard X-ray and γ-ray detectors, *ISSI Scientific Reports Series*, *9*, 345–364.

[151] Song, W. B. (2010), An Analytical Model to Predict the Arrival Time of Interplanetary CMEs, *Solar Phys.*, *261*, 311–320, doi:10.1007/s11207-009-9486-7.

[152] Spasojevic, M., and U. S. Inan (2010), Drivers of chorus in the outer dayside magnetosphere, *J. Geophys. Res.*, *115*, A00F09, doi:10.1029/2009JA014452.

[153] Stephenson, J. A. E., and A. D. M. Walker (2010), Coherence between radar observations of magnetospheric field line resonances and discrete oscillations in the solar wind, *Ann. Geophys.*, *28*, 47–59, doi:10.5194/angeo-28-47-2010.

[154] Sutcliffe, P. R. (2010), Pi2 band activity at low latitudes during non-substorm intervals, *Geophys. Res. Lett.*, *37*, L05101, doi:10.1029/2009GL041661.

[155] Svalgaard, L., and E. W. Cliver (2010), Heliospheric magnetic field 1835-2009, *J. Geophys. Res.*, *115*, A09111, doi:10.1029/2009JA015069.

[156] Tang, C. L., V. Angelopoulos, A. Runov, C. T. Russell, H. Frey, K. H. Glassmeier, K. H. Fornacon, and Z. Y. Li (2010), Precursor activation and substorm expansion associated with observations of a dipolarization front by Thermal Emission Imaging System (THEMIS), *J. Geophys. Res.*, *115*, A07215, doi:10.1029/2009JA014879.

[157] Tátrallyay, M., G. Erdős, I. Dandouras, and E. Georgescu (2010), *On the Growth of Mirror Mode Waves in the Magnetosheath Based on Cluster Observations*, pp. 377–385, doi:10.1007/978-90-481-3499-1_26.

[158] Thejappa, G., and R. J. MacDowall (2010), Localization of a Type III Radio Burst Observed by the STEREO Spacecraft, *Astrophys. J.*, *720*, 1395–1404, doi:10.1088/0004-637X/720/2/1395.

[159] Tian, H., S. Yao, Q. Zong, J. He, and Y. Qi (2010), Signatures of Magnetic Reconnection at Boundaries of Interplanetary Small-scale Magnetic Flux Ropes, *Astrophys. J.*, *720*, 454–464, doi:10.1088/0004-637X/720/1/454.

[160] Turner, D. L., X. Li, G. D. Reeves, and H. J. Singer (2010), On phase space density radial gradients of Earth's outer-belt electrons prior to sudden solar wind pressure enhancements: Results from distinctive events and a superposed epoch analysis, *J. Geophys. Res.*, *115*, A01205, doi:10.1029/2009JA014423.

[161] Tziotziou, K., I. Sandberg, A. Anastasiadis, I. A. Daglis, and P. Nieminen (2010), Using a new set of space-borne particle monitors to investigate solar-terrestrial relations, *Astron. & Astrophys.*, *514*, A21+, doi:10.1051/0004-6361/200912928.

[162] Tziotziou, K., I. Sandberg, A. Anastasiadis, I. A. Daglis, I. Panagopoulos, H. Mavromichalaki, A. Papaioannou, M. Gerontidou, P. Nieminen, and A. Glover (2010), Solar Origin of Solar Particle Events Detected by the Standard Radiation Environment Monitor of ESA, in *9th International Conference of the Hellenic Astronomical Society*, *Astronomical Society of the Pacific Conference Series*, vol. 424, edited by K. Tsinganos, D. Hatzidimitriou, & T. Matsakos, pp. 47–+.

[163] Usanova, M. E., I. R. Mann, Z. C. Kale, I. J. Rae, R. D. Sydora, M. Sandanger, F. Søraas, K.-H. Glassmeier, K.-H. Fornacon, H. Matsui, P. A. Puhl-Quinn, A. Masson, and X. Vallières (2010), Conjugate ground and multisatellite observations of compression-related EMIC Pc1 waves and associated proton precipitation, *J. Geophys. Res.*, *115*, A07208, doi:10.1029/2009JA014935.

[164] Veronig, A. M., J. Rybák, P. Gömöry, S. Berkebile-Stoiser, M. Temmer, W. Otruba, B. Vršnak, W. Pötzi, and D. Baumgartner (2010), Multiwavelength Imaging and Spectroscopy of Chromospheric Evaporation in an M-class Solar Flare, *Astrophys. J.*, *719*, 655–670, doi:10.1088/0004-637X/719/1/655.

[165] Viall, N. M. (2010), Periodic solar wind density structures, Ph.D. thesis, Boston University.

[166] Vidojević, S., A. Zaslavsky, M. Maksimovic, O. Atanacković, S. Hoang, S. Hoang, and Q. N. Nguyen (2010), Langmuir Waves and Type III Bursts Observed by the Wind Spacecraft, *Twelfth International Solar Wind Conference*, *1216*, 292–295, doi: 10.1063/1.3395859.

[167] Villante, U., P. Francia, and M. Vellante (2010), Long period magnetospheric oscillations at discrete frequencies: The results of a multi-station analysis, *Adv. Space Res.*, *46*, 460–467, doi:10.1016/j.asr.2009.07.030.

[168] Wang, R., Q. Lu, C. Huang, and S. Wang (2010), Multispacecraft observation of electron pitch angle distributions in magnetotail reconnection, *J. Geophys. Res.*, *115*, A01,209, doi:10.1029/2009JA014553.

[169] Wang, Y., F. S. Wei, X. S. Feng, S. H. Zhang, P. B. Zuo, and T. R. Sun (2010), Energetic Electrons Associated with Magnetic Reconnection in the Magnetic Cloud Boundary Layer, *Phys. Rev. Lett.*, *105*, 195,007–+, doi:10.1103/PhysRevLett.105.195007.

[170] Wang, Y.-M., E. Robbrecht, A. P. Rouillard, N. R. Sheeley, Jr., and A. F. R. Thernisien (2010), Formation and Evolution of Coronal Holes Following the Emergence of Active Regions, *Astrophys. J.*, *715*, 39, doi:10.1088/0004-637X/715/1/39.

[171] Webb, G. M., Q. Hu, B. Dasgupta, and G. P. Zank (2010), Homotopy formulas for the magnetic vector potential and magnetic helicity: The Parker spiral interplanetary magnetic field and magnetic flux ropes, *J. Geophys. Res.*, *115*, A10,112, doi: 10.1029/2010JA015513.

[172] Webb, G. M., Q. Hu, B. Dasgupta, D. A. Roberts, and G. P. Zank (2010), Alfvén Simple Waves: Euler Potentials and Magnetic Helicity, *Astrophys. J.*, *725*, 2128–2151, doi: 10.1088/0004-637X/725/2/2128.

[173] Welling, D. T., and A. J. Ridley (2010), Validation of SWMF magnetic field and plasma, *Space Weather*, *80*, S03,002, doi:10.1029/2009SW000494.

[174] Weygand, J. M., W. H. Matthaeus, M. El-Alaoui, S. Dasso, and M. G. Kivelson (2010), Anisotropy of the Taylor scale and the correlation scale in plasma sheet magnetic field fluctuations as a function of auroral electrojet activity, *J. Geophys. Res.*, *115*, 12,250, doi:10.1029/2010JA015499.

[175] Wicks, R. T., M. J. Owens, and T. S. Horbury (2010), The Variation of Solar Wind Correlation Lengths Over Three Solar Cycles, *Solar Phys.*, *262*, 191–198, doi:10.1007/s11207-010-9509-4.

[176] Wieser, M., S. Barabash, Y. Futaana, M. Holmström, A. Bhardwaj, R. Sridharan, M. B. Dhanya, A. Schaufelberger, P. Wurz, and K. Asamura (2010), First observation of a mini-magnetosphere above a lunar magnetic anomaly using energetic neutral atoms, *Geophys. Res. Lett.*, *370*, L05,103, doi:10.1029/2009GL041721.

[177] Wilder, F. D., C. R. Clauer, and J. B. H. Baker (2010), Polar cap electric field saturation during interplanetary magnetic field B_z north and south conditions, *J. Geophys. Res.*, *115*, A10230, doi:10.1029/2010JA015487.

[178] Wilson, L. B., III, C. A. Cattell, P. J. Kellogg, K. Goetz, K. Kersten, J. C. Kasper, A. Szabo, and M. Wilber (2010), Large-amplitude electrostatic waves observed at a supercritical interplanetary shock, *J. Geophys. Res.*, *115*, A12,104, doi:10.1029/2010JA015332.

[179] Wilson III, L. B. (2010), The microphysics of collisionless shocks, Ph.D. thesis, University of Minnesota.

[180] Yamada, M., R. Kulsrud, and H. Ji (2010), Magnetic reconnection, *Rev. Mod. Phys.*, *82*, 603–664, doi:10.1103/RevModPhys.82.603.

[181] Yamamoto, T. T., R. Kataoka, and S. Inoue (2010), Helical Lengths of Magnetic Clouds from the Magnetic Flux Conservation, *Astrophys. J.*, *710*, 456–461, doi:10.1088/0004-637X/710/1/456.

[182] Yang, B., Q.-G. Zong, Y. F. Wang, S. Y. Fu, P. Song, H. S. Fu, A. Korth, T. Tian, and H. Reme (2010), Cluster observations of simultaneous resonant interactions of ULF waves with energetic electrons and thermal ion species in the inner magnetosphere, *J. Geophys. Res.*, *115*, A02,214, doi:10.1029/2009JA014542.

[183] Yu, X. X., H. Lu, G. M. Le, and F. Shi (2010), Influence of Magnetic Clouds on Variations of Cosmic Rays in November 2004, *Solar Phys.*, *263*, 223–237, doi:10.1007/s11207-010-9522-7.

[184] Yue, C., Q. G. Zong, H. Zhang, Y. F. Wang, C. J. Yuan, Z. Y. Pu, S. Y. Fu, A. T. Y. Lui, B. Yang, and C. R. Wang (2010), Geomagnetic activity triggered by interplanetary shocks, *J. Geophys. Res.*, *115*, A00I05, doi:10.1029/2010JA015356.

[185] Zaharia, S., V. K. Jordanova, D. Welling, and G. Tóth (2010), Self-consistent inner magnetosphere simulation driven by a global MHD model, *J. Geophys. Res.*, *115*, A12228, doi:10.1029/2010JA015915.

[186] Zhang, X. Y., Q.-G. Zong, Y. F. Wang, H. Zhang, L. Xie, S. Y. Fu, C. J. Yuan, C. Yue, B. Yang, and Z. Y. Pu (2010), ULF waves excited by negative/positive solar wind dynamic pressure impulses at geosynchronous orbit, *J. Geophys. Res.*, *115*, A10221, doi: 10.1029/2009JA015016.

[187] Zong, Q.-G., B. W. Reinisch, P. Song, Y. Wei, and I. A. Galkin (2010), Dayside ionospheric response to the intense interplanetary shocks-solar wind discontinuities: Observations from the digisonde global ionospheric radio observatory, *J. Geophys. Res.*, *115*, A06304, doi:10.1029/2009JA014796.

[188] Zou, S., M. B. Moldwin, L. R. Lyons, Y. Nishimura, M. Hirahara, T. Sakanoi, K. Asamura, M. J. Nicolls, Y. Miyashita, S. B. Mende, and C. J. Heinselman (2010), Identification of substorm onset location and preonset sequence using Reimei, THEMIS GBO, PFISR, and Geotail, *J. Geophys. Res.*, *115*, A12309, doi:10.1029/2010JA015520.

[189] Zuo, P. B., F. S. Wei, X. S. Feng, X. J. Xu, and W. B. Song (2010), Magnetic cloud boundary layer of 9 November 2004 and its associated space weather effects, *J. Geophys. Res.*, *115*, A10,102, doi:10.1029/2009JA014815.