

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

## References

- [1] Agueda, N., R. Vainio, D. Lario, and B. Sanahuja (2009), The influence of in situ pitch-angle cosine coverage on the derivation of solar energetic particle injection and interplanetary transport conditions, *Adv. Space Res.*, *44*, 794–800, doi:10.1016/j.asr.2009.05.023.
- [2] Agueda, N., D. Lario, R. Vainio, B. Sanahuja, E. Kilpua, and S. Pohjolainen (2009), Modeling solar near-relativistic electron events. Insights into solar injection and interplanetary transport conditions, *Astron. & Astrophys.*, *507*, 981–993, doi:10.1051/0004-6361/200912224.
- [3] Agueda, N., R. Vainio, D. Lario, and B. Sanahuja (2010), On the interaction of solar near-relativistic electrons with back-scatter regions beyond 1 AU, *Twelfth International Solar Wind Conference, 1216*, 596–599, doi:10.1063/1.3395936.
- [4] Amata, E., S. P. Savin, G. Consolini, L. Trenchi, D. Ambrosino, R. Treumann, and M. F. Marcucci (2009), High kinetic energy density jets in the Earth’s magnetosheath: preliminary results, *Mem. Soc. Astron. Ital.*, *80*, 259–+.
- [5] Andréevová, K. (2009), The study of instabilities in the solar wind and magnetosheath and their interaction with the Earth’s magnetosphere, *Planet. Space Sci.*, *57*, 888–890, doi:10.1016/j.pss.2008.12.005.
- [6] Antonova, E. E., I. P. Kirpichev, I. L. Ovchinnikov, K. G. Orlova, and M. V. Stepanova (2009), High latitude magnetospheric topology and magnetospheric substorm, *Ann. Geophys.*, *27*, 4069–4073, doi:10.5194/angeo-27-4069-2009.
- [7] Aptekar, R. L., T. L. Cline, D. D. Frederiks, S. V. Golenetskii, E. P. Mazets, and V. D. Pal’shin (2009), Konus-Wind Observations of the New Soft Gamma-Ray Repeater SGR 0501+4516, *Astrophys. J.*, *698*, L82–L85, doi:10.1088/0004-637X/698/2/L82.
- [8] Badman, S. V., D. M. Wright, L. B. N. Clausen, R. C. Fear, T. R. Robinson, and T. K. Yeoman (2009), Cluster spacecraft observations of a ULF wave enhanced by Space Plasma Exploration by Active Radar (SPEAR), *Ann. Geophys.*, *27*, 3591–3599, doi:10.5194/angeo-27-3591-2009.
- [9] Bain, H. M., and L. Fletcher (2009), Hard X-ray emission from a flare-related jet, *Astron. & Astrophys.*, *508*, 1443–1452, doi:10.1051/0004-6361/200911876.
- [10] Bale, S. D., J. C. Kasper, G. G. Howes, E. Quataert, C. Salem, and D. Sundkvist (2009), Magnetic Fluctuation Power Near Proton Temperature Anisotropy Instability Thresholds in the Solar Wind, *Phys. Rev. Lett.*, *103*(21), 211,101–+, doi:10.1103/PhysRevLett.103.211101.
- [11] Birch, M. J., J. K. Hargreaves, B. J. I. Bromage, and D. S. Evans (2009), Effects of high-speed solar wind on energetic electron activity in the auroral regions during July 1-2, 2005, *J. Atmos. Solar-Terr. Phys.*, *71*, 1190–1209, doi:10.1016/j.jastp.2009.02.008.

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [12] Bisi, M. M., B. V. Jackson, A. Buffington, J. M. Clover, P. P. Hick, and M. Tokumaru (2009), Low-Resolution STELab IPS 3D Reconstructions of the Whole Heliosphere Interval and Comparison with in-Ecliptic Solar Wind Measurements from STEREO and Wind Instrumentation, *Solar Phys.*, *256*, 201–217, doi:10.1007/s11207-009-9350-9.
- [13] Bisi, M. M., B. V. Jackson, J. M. Clover, P. K. Manoharan, M. Tokumaru, P. P. Hick, and A. Buffington (2009), 3-D reconstructions of the early-November 2004 CDAW geomagnetic storms: analysis of Ooty IPS speed and density data, *Ann. Geophys.*, *27*, 4479–4489, doi:10.5194/angeo-27-4479-2009.
- [14] Bisi, M. M., B. V. Jackson, J. M. Clover, P. P. Hick, A. Buffington, and M. Tokumaru (2010), A Summary of 3-D Reconstructions of the Whole Heliosphere Interval and Comparison with in-Ecliptic Solar Wind Measurements from STEREO, ACE, and Wind Instrumentation, *Highlights Astron.*, *15*, 480–483, doi:10.1017/S1743921310010331.
- [15] Bone, L. A., L. van Driel-Gesztelyi, J. L. Culhane, G. Aulanier, and P. Liewer (2009), Formation, Interaction and Merger of an Active Region and a Quiescent Filament Prior to Their Eruption on 19 May 2007, *Solar Phys.*, *259*, 31–47, doi:10.1007/s11207-009-9427-5.
- [16] Bougeret, J.-L., R. von Steiger, D. F. Webb, S. Ananthakrishnan, H. V. Cane, N. Gopalswamy, S. W. Kahler, R. Lallement, B. Sanahuja, K. Shibata, M. Vandas, and F. Verheest (2009), Commission 49: Interplanetary Plasma and Heliosphere, *Trans. Int. Astron. Union, Series A*, *27*, 124–144, doi:10.1017/S1743921308025374.
- [17] Caroubalos, C., P. Preka-Papadema, H. Mavromichalaki, X. Moussas, A. Papaioannou, E. Mitsakou, and A. Hillaris (2009), Space storm measurements of the July 2005 solar extreme events from the low corona to the Earth, *Adv. Space Res.*, *43*, 600–604, doi:10.1016/j.asr.2008.09.019.
- [18] Cheng, C.-C., C. T. Russell, and J.-H. Shue (2009), On the association of quiet-time Pi2 pulsations with IMF variations, *Adv. Space Res.*, *43*, 1118–1129, doi:10.1016/j.asr.2008.12.001.
- [19] Chollet, E. E., J. Giacalone, R. M. Skoug, J. T. Steinberg, and J. T. Gosling (2009), Spatial Offsets of Interplanetary Ion and Electron Source Regions, *Astrophys. J.*, *705*, 1492–1495, doi:10.1088/0004-637X/705/2/1492.
- [20] Cliver, E. W., and A. G. Ling (2009), Low-Frequency Type III Bursts and Solar Energetic Particle Events, *Astrophys. J.*, *690*, 598–609, doi:10.1088/0004-637X/690/1/598.
- [21] Dalla, S., and N. Aguada (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.
- [22] Dasso, S., C. H. Mandrini, B. Schmieder, H. Cremades, C. Cid, Y. Cerrato, E. Saiz, P. Démoulin, A. N. Zhukov, L. Rodriguez, A. Aran, M. Menvielle, and S. Poedts (2009), Linking two consecutive nonmerging magnetic clouds with their solar sources, *J. Geophys. Res.*, *114*, A02,109, doi:10.1029/2008JA013102.

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [23] Davis, C. J., J. A. Davies, M. Lockwood, A. P. Rouillard, C. J. Eyles, and R. A. Harrison (2009), Stereoscopic imaging of an Earth-impacting solar coronal mass ejection: A major milestone for the STEREO mission, *Geophys. Res. Lett.*, *360*, L08,102, doi:10.1029/2009GL038021.
- [24] Dayeh, M. A., M. I. Desai, J. R. Dwyer, H. K. Rassoul, G. M. Mason, and J. E. Mazur (2009), Composition and Spectral Properties of the 1 AU Quiet-Time Suprathermal Ion Population During Solar Cycle 23, *Astrophys. J.*, *693*, 1588–1600, doi:10.1088/0004-637X/693/2/1588.
- [25] Desai, M. I., M. A. Dayeh, and G. M. Mason (2009), Origin of Quiet-Time Suprathermal Heavy Ions Near 1 AU, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 1183, edited by X. Ao & G. Z. R. Burrows, pp. 11–18, doi:10.1063/1.3266766.
- [26] Despirak, I. V., A. A. Lubchich, A. G. Yahnin, B. V. Kozelov, and H. K. Biernat (2009), Development of substorm bulges during different solar wind structures, *Ann. Geophys.*, *27*, 1951–1960, doi:10.5194/angeo-27-1951-2009.
- [27] Drake, J. F., M. Swisdak, T. D. Phan, P. A. Cassak, M. A. Shay, S. T. Lepri, R. P. Lin, E. Quataert, and T. H. Zurbuchen (2009), Ion heating resulting from pickup in magnetic reconnection exhausts, *J. Geophys. Res.*, *114*, A05,111, doi:10.1029/2008JA013701.
- [28] Dröge, W., and Y. Y. Kartavykh (2009), Testing Transport Theories with Solar Energetic Particles, *Astrophys. J.*, *693*, 69–74, doi:10.1088/0004-637X/693/1/69.
- [29] Egedal, J., W. Daughton, J. F. Drake, N. Katz, and A. Lê (2009), Formation of a localized acceleration potential during magnetic reconnection with a guide field, *Phys. Plasmas*, *16*(5), 050,701–+, doi:10.1063/1.3130732.
- [30] Emery, B. A., I. G. Richardson, D. S. Evans, and F. J. Rich (2009), Solar wind structure sources and periodicities of auroral electron power over three solar cycles, *J. Atmos. Solar-Terr. Phys.*, *71*, 1157–1175, doi:10.1016/j.jastp.2008.08.005.
- [31] Farrugia, C. J., N. V. Erkaev, N. C. Maynard, I. G. Richardson, P. E. Sandholt, D. Langmayr, K. W. Ogilvie, A. Szabo, U. Taubenschuss, R. B. Torbert, and H. K. Biernat (2009), Effects on the distant geomagnetic tail of a fivefold density drop in the inner sheath region of a magnetic cloud: A joint Wind-ACE study, *Adv. Space Res.*, *44*, 1288–1294, doi:10.1016/j.asr.2009.07.003.
- [32] Fear, R. C., S. E. Milan, A. N. Fazakerley, K.-H. Fornacon, C. M. Carr, and I. Dandouras (2009), Simultaneous observations of flux transfer events by THEMIS, Cluster, Double Star, and SuperDARN: Acceleration of FTEs, *J. Geophys. Res.*, *114*, A10,213, doi:10.1029/2009JA014310.
- [33] Feng, H. Q., and D. J. Wu (2009), Observations of a Small Interplanetary Magnetic Flux Rope Associated with a Magnetic Reconnection Exhaust, *Astrophys. J.*, *705*, 1385–1387, doi:10.1088/0004-637X/705/2/1385.

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [34] Feng, H. Q., C. C. Lin, J. K. Chao, D. J. Wu, L. H. Lyu, and L. C. Lee (2009), Observations of an interplanetary switch-on shock driven by a magnetic cloud, *Geophys. Res. Lett.*, *360*, L07,106, doi:10.1029/2009GL037354.
- [35] Feng, H. Q., J. M. Wang, and J. K. Chao (2009), Observations of a subcritical switch-on shock, *Astron. & Astrophys.*, *503*, 203–206, doi:10.1051/0004-6361/200811217.
- [36] Francia, P., U. Villante, and M. Vellante (2009), A Comparative Analysis of Ground, Magnetospheric and Interplanetary Observations of Long Period Magnetic Oscillations, *Earth Moon and Planets*, *104*, 33–36, doi:10.1007/s11038-008-9244-0.
- [37] Galvin, A. B., M. A. Popecki, K. D. C. Simunac, L. M. Kistler, L. Ellis, J. Barry, L. Berger, L. M. Blush, P. Bochsler, C. J. Farrugia, L. K. Jian, E. K. J. Kilpua, B. Klecker, M. Lee, Y. C.-M. Liu, J. L. Luhmann, E. Moebius, A. Opitz, C. T. Russell, B. Thompson, R. F. Wimmer-Schweingruber, and P. Wurz (2009), Solar wind ion trends and signatures: STEREO PLASTIC observations approaching solar minimum, *Ann. Geophys.*, *27*, 3909–3922, doi:10.5194/angeo-27-3909-2009.
- [38] Golenetskii, S., R. Aptekar, E. Mazets, V. Pal’Shin, D. Frederiks, P. Oleynik, M. Ulanov, D. Svinkin, and T. Cline (2009), Konus-wind and Konus-RF observations of GRB 090618., *GRB Coordinates Network*, *9553*, 1–+.
- [39] Golenetskii, S., R. Aptekar, E. Mazets, V. Pal’Shin, D. Frederiks, P. Oleynik, M. Ulanov, and D. Svinkin (2009), Konus-wind and Konus-RF observations of GRB 090709A., *GRB Coordinates Network*, *9647*, 1–+.
- [40] Golenetskii, S., R. Aptekar, E. Mazets, V. Pal’Shin, D. Frederiks, P. Oleynik, M. Ulanov, D. Svinkin, and T. Cline (2009), Konus-wind and Konus-RF observations of GRB 090406., *GRB Coordinates Network*, *9103*, 1–+.
- [41] Golenetskii, S., R. Aptekar, E. Mazets, V. Pal’Shin, D. Frederiks, P. Oleynik, M. Ulanov, D. Svinkin, and T. Cline (2009), Konus-wind and Konus-RF observations of GRB 090408b., *GRB Coordinates Network*, *9121*, 1–+.
- [42] Golenetskii, S., R. Aptekar, D. Frederiks, E. Mazets, V. Pal’Shin, P. Oleynik, M. Ulanov, D. Svinkin, and T. Cline (2009), Konus-wind and Konus-RF observations of GRB 090715B., *GRB Coordinates Network*, *9679*, 1–+.
- [43] Golenetskii, S., R. Aptekar, D. Frederiks, E. Mazets, V. Pal’Shin, P. Oleynik, M. Ulanov, D. Svinkin, and T. Cline (2009), Konus-wind and Konus-RF observations of GRB 090719., *GRB Coordinates Network*, *9704*, 1–+.
- [44] Golenetskii, S., R. Aptekar, E. Mazets, V. Pal’Shin, D. Frederiks, P. Oleynik, M. Ulanov, D. Svinkin, and T. Cline (2009), Konus-wind and Konus-RF observations of GRB 090926A., *GRB Coordinates Network*, *9959*, 1–+.
- [45] Golenetskii, S., R. Aptekar, E. Mazets, V. Pal’Shin, D. Frederiks, P. Oleynik, M. Ulanov, D. Svinkin, and T. Cline (2009), Konus-wind and Konus-RF observations of GRB 091024., *GRB Coordinates Network*, *10083*, 1–+.

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [46] Golenetskii, S., R. Aptekar, D. Frederiks, E. Mazets, V. Pal'Shin, P. Oleynik, M. Ulanov, and D. Svinkin (2009), Konus-wind and Konus-RF observations of GRB 091031., *GRB Coordinates Network*, 10166, 1–+.
- [47] Gopalswamy, N., P. Mäkelä, H. Xie, S. Akiyama, and S. Yashiro (2009), CME interactions with coronal holes and their interplanetary consequences, *J. Geophys. Res.*, 114, A00A22, doi:10.1029/2008JA013686.
- [48] Gopalswamy, N., S. Yashiro, G. Michalek, G. Stenborg, A. Vourlidas, S. Freeland, and R. Howard (2009), The SOHO/LASCO CME Catalog, *Earth Moon and Planets*, 104, 295–313, doi:10.1007/s11038-008-9282-7.
- [49] Gopalswamy, N., W. T. Thompson, J. M. Davila, M. L. Kaiser, S. Yashiro, P. Mäkelä, G. Michalek, J.-L. Bougeret, and R. A. Howard (2009), Relation Between Type II Bursts and CMEs Inferred from STEREO Observations, *Solar Phys.*, 259, 227–254, doi: 10.1007/s11207-009-9382-1.
- [50] Grayson, J. A., S. Krucker, and R. P. Lin (2009), A Statistical Study of Spectral Hardening in Solar Flares and Related Solar Energetic Particle Events, *Astrophys. J.*, 707, 1588–1594, doi:10.1088/0004-637X/707/2/1588.
- [51] Grib, S. A., and V. B. Belakhovsky (2009), Effect of the interplanetary secondary rarefaction waves on the geomagnetic field, *Geomagnetism and Aeronomy*, 49, 733–740, doi:10.1134/S001679320906005X.
- [52] Grigoryeva, I. Y., V. N. Borovik, M. A. Livshits, V. E. Abramov-Maximov, L. V. Opeikina, V. M. Bogod, and A. N. Korzhavin (2009), Post-Eruptive Arcade Formation in the 25 January 2007 CME/Flare Limb Event: Microwave Observations with the RATAN-600 Radio Telescope, *Solar Phys.*, 260, 157–175, doi:10.1007/s11207-009-9426-6.
- [53] Guo, J., Z. Yang, Q. Lu, and S. Wang (2009), The Nonlinear Evolution of Ion Cyclotron Waves in the Earth's Magnetosheath, *Plasma Sci. Tech.*, 11, 274–278, doi:10.1088/1009-0630/11/3/05.
- [54] Huttunen-Heikinmaa, K., and E. Valtonen (2009), Interplanetary fast forward shocks and energetic storm particle events above 1.5 MeV, *Ann. Geophys.*, 27, 767–779, doi: 10.5194/angeo-27-767-2009.
- [55] Issautier, K. (2009), Diagnostics of the Solar Wind Plasma, in *Turbulence in Space Plasmas, Lecture Notes in Physics, Berlin Springer Verlag*, vol. 778, edited by P. Cargill & L. Vlahos, pp. 223–+, doi:10.1007/978-3-642-00210-6\_6.
- [56] Jackson, B. V., P. P. Hick, A. Buffington, M. M. Bisi, and J. M. Clover (2009), SMEI direct, 3-D-reconstruction sky maps, and volumetric analyses, and their comparison with SOHO and STEREO observations, *Ann. Geophys.*, 27, 4097–4104, doi:10.5194/angeo-27-4097-2009.

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [57] Jian, L. K., C. T. Russell, J. G. Luhmann, A. B. Galvin, and P. J. MacNeice (2009), Multi-Spacecraft Observations: Stream Interactions and Associated Structures, *Solar Phys.*, *259*, 345–360, doi:10.1007/s11207-009-9445-3.
- [58] Kahler, S. W., and B. R. Ragot (2009), Viewing radiation signatures of solar energetic particles in interplanetary space, *Adv. Space Res.*, *43*, 1484–1490, doi:10.1016/j.asr.2009.01.013.
- [59] Kahler, S. W., A. J. Tylka, and D. V. Reames (2009), A Comparison of Elemental Abundance Ratios in Sep Events in Fast and Slow Solar Wind Regions, *Astrophys. J.*, *701*, 561–570, doi:10.1088/0004-637X/701/1/561.
- [60] Kawaharada, M., K. Makishima, T. Kitaguchi, S. Okuyama, K. Nakazawa, and Y. Fukazawa (2010), Suzaku Constraints on Soft and Hard Excess Emissions from Abell 2199, *Publ. Astron. Soc. Japan*, *62*, 115–.
- [61] Kazachenko, M. D., R. C. Canfield, D. W. Longcope, J. Qiu, A. Des Jardins, and R. W. Nightingale (2009), Sunspot Rotation, Flare Energetics, and Flux Rope Helicity: The Eruptive Flare on 2005 May 13, *Astrophys. J.*, *704*, 1146–1158, doi:10.1088/0004-637X/704/2/1146.
- [62] Keika, K., R. Nakamura, W. Baumjohann, V. Angelopoulos, P. J. Chi, K. H. Glassmeier, M. Fillingim, W. Magnes, H. U. Auster, K. H. Fornaçon, G. D. Reeves, K. Yumoto, E. A. Lucek, C. M. Carr, and I. Dandouras (2009), Substorm expansion triggered by a sudden impulse front propagating from the dayside magnetopause, *J. Geophys. Res.*, *114*, A00C24, doi:10.1029/2008JA013445.
- [63] Keika, K., R. Nakamura, W. Baumjohann, V. Angelopoulos, K. Kabin, K. H. Glassmeier, D. G. Sibeck, W. Magnes, H. U. Auster, K. H. Fornaçon, J. P. McFadden, C. W. Carlson, E. A. Lucek, C. M. Carr, I. Dandouras, and R. Rankin (2009), Deformation and evolution of solar wind discontinuities through their interactions with the Earth’s bow shock, *J. Geophys. Res.*, *114*, A00C26, doi:10.1029/2008JA013481.
- [64] Kilpua, E. K. J., P. C. Liewer, C. Farrugia, J. G. Luhmann, C. Möstl, Y. Li, Y. Liu, B. J. Lynch, C. T. Russell, A. Vourlidas, M. H. Acuna, A. B. Galvin, D. Larson, and J. A. Sauvaud (2009), Multispacecraft Observations of Magnetic Clouds and Their Solar Origins between 19 and 23 May 2007, *Solar Phys.*, *254*, 325–344, doi:10.1007/s11207-008-9300-y.
- [65] Kilpua, E. K. J., J. G. Luhmann, J. Gosling, Y. Li, H. Elliott, C. T. Russell, L. Jian, A. B. Galvin, D. Larson, P. Schroeder, K. Simunac, and G. Petrie (2009), Small Solar Wind Transients and Their Connection to the Large-Scale Coronal Structure, *Solar Phys.*, *256*, 327–344, doi:10.1007/s11207-009-9366-1.
- [66] Kilpua, E. K. J., J. Pomoell, A. Vourlidas, R. Vainio, J. Luhmann, Y. Li, P. Schroeder, A. B. Galvin, and K. Simunac (2009), STEREO observations of interplanetary coronal mass ejections and prominence deflection during solar minimum period, *Ann. Geophys.*, *27*, 4491–4503, doi:10.5194/angeo-27-4491-2009.

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [67] Kim, E.-H., J. R. Johnson, I. H. Cairns, and D.-H. Lee (2009), Waves in Space Plasmas, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 1187, edited by V. Bobkov & J.-M. Noterdaeme, pp. 13–20, doi:10.1063/1.3273713.
- [68] Kim, H.-J., L. R. Lyons, S. Zou, A. Boudouridis, D.-Y. Lee, C. Heinselman, and M. McCready (2009), Evidence that solar wind fluctuations substantially affect the strength of dayside ionospheric convection, *J. Geophys. Res.*, *114*, A11,305, doi:10.1029/2009JA014280.
- [69] Kim, K.-H., K. S. Park, T. Ogino, D.-H. Lee, S.-K. Sung, and Y.-S. Kwak (2009), Global MHD simulation of the geomagnetic sudden commencement on 21 October 1999, *J. Geophys. Res.*, *114*, A08,212, doi:10.1029/2009JA014109.
- [70] Kiyani, K. H., S. C. Chapman, and N. W. Watkins (2009), Pseudononstationarity in the scaling exponents of finite-interval time series, *Phys. Rev. E*, *79*(3), 036,109–+, doi:10.1103/PhysRevE.79.036109.
- [71] Kocharov, L., T. Laitinen, A. Al-Sawad, O. Saloniemi, E. Valtonen, and M. J. Reiner (2009), Gradual Solar Energetic Particle Event Associated with a Decelerating Shock Wave, *Astrophys. J.*, *700*, L51–L55, doi:10.1088/0004-637X/700/1/L51.
- [72] Kontar, E. P., and H. A. S. Reid (2009), Onsets and Spectra of Impulsive Solar Energetic Electron Events Observed Near the Earth, *Astrophys. J.*, *695*, L140–L144, doi:10.1088/0004-637X/695/2/L140.
- [73] Krucker, S., P. H. Oakley, and R. P. Lin (2009), Spectra of Solar Impulsive Electron Events Observed Near Earth, *Astrophys. J.*, *691*, 806–810, doi:10.1088/0004-637X/691/1/806.
- [74] Lam, H.-L. (2009), Enhancement of solar wind low-energy energetic particles as precursor of geomagnetic disturbance in operational geomagnetic forecast, *Adv. Space Res.*, *43*, 1299–1313, doi:10.1016/j.asr.2009.01.010.
- [75] Lara, A., and A. I. Borgazzi (2009), Dynamics of interplanetary CMEs and associated type II bursts, in *IAU Symposium, IAU Symposium*, vol. 257, edited by N. Gopalswamy & D. F. Webb, pp. 287–290, doi:10.1017/S1743921309029421.
- [76] Laurenza, M., E. W. Cliver, J. Hewitt, M. Storini, A. G. Ling, C. C. Balch, and M. L. Kaiser (2009), A technique for short-term warning of solar energetic particle events based on flare location, flare size, and evidence of particle escape, *Space Weather*, *70*, S04,008, doi:10.1029/2007SW000379.
- [77] Lavraud, B., J. T. Gosling, A. P. Rouillard, A. Fedorov, A. Opitz, J.-A. Sauvaud, C. Foulon, I. Dandouras, V. Génot, C. Jacquy, P. Louarn, C. Mazelle, E. Penou, T. D. Phan, D. E. Larson, J. G. Luhmann, P. Schroeder, R. M. Skoug, J. T. Steinberg, and C. T. Russell (2009), Observation of a Complex Solar Wind Reconnection Exhaust from Spacecraft Separated by over 1800  $R_E$ , *Solar Phys.*, *256*, 379–392, doi:10.1007/s11207-009-9341-x.

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [78] Leitner, M., C. J. Farrugia, A. Galvin, K. D. C. Simunac, H. K. Biernat, and V. A. Osherovich (2009), The Solar Wind Quasi-Invariant Observed by STEREO A and B at Solar Minimum 2007 and Comparison with Two Other Minima, *Solar Phys.*, *259*, 381–388, doi:10.1007/s11207-009-9412-z.
- [79] Leitner, M., Z. Vörös, and M. P. Leubner (2009), Introducing log-kappa distributions for solar wind analysis, *J. Geophys. Res.*, *114*, A12,104, doi:10.1029/2009JA014476.
- [80] Lepping, R. P., T. W. Narock, and C.-C. Wu (2009), A scheme for finding the front boundary of an interplanetary magnetic cloud, *Ann. Geophys.*, *27*, 1295–1311, doi:10.5194/angeo-27-1295-2009.
- [81] Li, C., Y. Dai, J.-C. Vial, C. J. Owen, S. A. Matthews, Y. H. Tang, C. Fang, and A. N. Fazakerley (2009), Solar source of energetic particles in interplanetary space during the 2006 December 13 event, *Astron. & Astrophys.*, *503*, 1013–1021, doi:10.1051/0004-6361/200911986.
- [82] Li, H. J., X. S. Feng, P. B. Zuo, and Y. Q. Xie (2009), Inferring interplanetary flux rope orientation with the minimum residue method, *J. Geophys. Res.*, *114*, A03,102, doi:10.1029/2008JA013331.
- [83] Li, W., J. Raeder, M. Øieroset, and T. D. Phan (2009), Cold dense magnetopause boundary layer under northward IMF: Results from THEMIS and MHD simulations, *J. Geophys. Res.*, *114*, A00C15, doi:10.1029/2008JA013497.
- [84] Lin, C. C., H. Q. Feng, D. J. Wu, J. K. Chao, L. C. Lee, and L. H. Lyu (2009), Two-spacecraft observations of an interplanetary slow shock, *J. Geophys. Res.*, *114*, A03,105, doi:10.1029/2008JA013154.
- [85] Lockwood, M., M. Owens, and A. P. Rouillard (2009), Excess open solar magnetic flux from satellite data: 2. A survey of kinematic effects, *J. Geophys. Res.*, *114*, A11,104, doi:10.1029/2009JA014450.
- [86] Luhmann, J. G., C. O. Lee, Y. Li, C. N. Arge, A. B. Galvin, K. Simunac, C. T. Russell, R. A. Howard, and G. Petrie (2009), Solar Wind Sources in the Late Declining Phase of Cycle 23: Effects of the Weak Solar Polar Field on High Speed Streams, *Solar Phys.*, *256*, 285–305, doi:10.1007/s11207-009-9354-5.
- [87] Mahrous, A., M. El-Nawawy, M. Hammam, and N. Ahmed (2009), Empirical model of the transit time of interplanetary coronal mass ejections, *Solar System Research*, *43*, 128–135, doi:10.1134/S0038094609020051.
- [88] Malaspina, D. M., R. E. Ergun, and I. H. Cairns (2009), Plasma Emission at Shocks by the Eigenmode-Antenna Mechanism, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 1183, edited by X. Ao & G. Z. R. Burrows, pp. 131–138, doi:10.1063/1.3266768.
- [89] Mancuso, S., and A. Bemporad (2009), Interpretation of the SOHO/UVCS observations of two CME-driven shocks, *Adv. Space Res.*, *44*, 451–456, doi:10.1016/j.asr.2009.03.021.



**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [90] Mandrini, C. H., M. S. Nakwacki, G. Attrill, L. van Driel-Gesztelyi, S. Dasso, and P. Démoulin (2009), The link between CME-associated dimmings and interplanetary magnetic clouds, in *IAU Symposium, IAU Symposium*, vol. 257, edited by N. Gopalswamy & D. F. Webb, pp. 265–270, doi:10.1017/S174392130902938X.
- [91] Mason, G. M., M. I. Desai, U. Mall, A. Korth, R. Bucik, T. T. von Rosenvinge, and K. D. Simunac (2009), In situ Observations of CIRs on STEREO, Wind, and ACE During 2007 - 2008, *Solar Phys.*, *256*, 393–408, doi:10.1007/s11207-009-9367-0.
- [92] Mason, G. M., N. V. Nitta, C. M. S. Cohen, and M. E. Wiedenbeck (2009), Solar Energetic Particle <sup>3</sup>He-Rich Events from the Nearly Quiet Sun in 2007-2008, *Astrophys. J.*, *700*, L56–L59, doi:10.1088/0004-637X/700/1/L56.
- [93] Masson, S., K.-L. Klein, R. Bütikofer, E. Flückiger, V. Kurt, B. Yushkov, and S. Krucker (2009), Acceleration of Relativistic Protons During the 20 January 2005 Flare and CME, *Solar Phys.*, *257*, 305–322, doi:10.1007/s11207-009-9377-y.
- [94] Matthews, S., D. Bewsher, and C. Davis (2009), Magnetic coupling in the solar system, *Astron. Geophys.*, *50*(2), 020,000–2, doi:10.1111/j.1468-4004.2009.50231.x.
- [95] Meier, R. R., C. Englert, D. Chua, D. Socker, J. M. Picone, T. Carter, J. Huba, S. Slinker, J. Krall, and W. Vincent (2009), Geospace imaging using Thomson scattering, *J. Atmos. Solar-Terr. Phys.*, *71*, 132–142, doi:10.1016/j.jastp.2008.10.007.
- [96] Mitchell, D. G., J. F. Carbary, S. W. H. Cowley, T. W. Hill, and P. Zarka (2009), *The Dynamics of Saturn's Magnetosphere*, pp. 257–+, doi:10.1007/978-1-4020-9217-6\_10.
- [97] Möstl, C., C. J. Farrugia, C. Miklenic, M. Temmer, A. B. Galvin, J. G. Luhmann, E. K. J. Kilpua, M. Leitner, T. Nieves-Chinchilla, A. Veronig, and H. K. Biernat (2009), Multi-spacecraft recovery of a magnetic cloud and its origin from magnetic reconnection on the Sun, *J. Geophys. Res.*, *114*, A04,102, doi:10.1029/2008JA013657.
- [98] Möstl, C., C. J. Farrugia, H. K. Biernat, M. Leitner, E. K. J. Kilpua, A. B. Galvin, and J. G. Luhmann (2009), Optimized Grad - Shafranov Reconstruction of a Magnetic Cloud Using STEREO- Wind Observations, *Solar Phys.*, *256*, 427–441, doi:10.1007/s11207-009-9360-7.
- [99] Mthembu, S. H., S. B. Malinga, A. D. M. Walker, and L. Magnus (2009), Characterization of ultra low frequency (ULF) pulsations and the investigation of their possible source, *Ann. Geophys.*, *27*, 3287–3296, doi:10.5194/angeo-27-3287-2009.
- [100] Newell, P. T., K. Liou, and G. R. Wilson (2009), Polar cap particle precipitation and aurora: Review and commentary, *J. Atmos. Solar-Terr. Phys.*, *71*, 199–215, doi:10.1016/j.jastp.2008.11.004.
- [101] Nishino, M. N., K. Maezawa, M. Fujimoto, Y. Saito, S. Yokota, K. Asamura, T. Tanaka, H. Tsunakawa, M. Matsushima, F. Takahashi, T. Terasawa, H. Shibuya, and H. Shimizu (2009), Pairwise energy gain-loss feature of solar wind protons in the near-Moon wake, *Geophys. Res. Lett.*, *36*1, L12,108, doi:10.1029/2009GL039049.

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [102] Panchenko, M., H. O. Rucker, and M. L. Kaiser (2009), Jovian non-*Io* decametric arcs: Occurrence periodicity of System III + 1.5%, in *European Planetary Science Congress 2009*, pp. 527–+.
- [103] Parnowski, A. S. (2009), Regression modeling method of space weather prediction, *Astrophys. Space Sci.*, *323*, 169–180, doi:10.1007/s10509-009-0060-4.
- [104] Pedatella, N. M., J. Lei, K. M. Larson, and J. M. Forbes (2009), Observations of the ionospheric response to the 15 December 2006 geomagnetic storm: Long-duration positive storm effect, *J. Geophys. Res.*, *114*, A12,313, doi:10.1029/2009JA014568.
- [105] Perrone, L., M. Parisi, A. Meloni, M. Damasso, and M. Galliani (2009), Study on solar sources and polar cap absorption events recorded in Antarctica, *Adv. Space Res.*, *43*, 1660–1668, doi:10.1016/j.asr.2008.03.034.
- [106] Pick, M., A. Kerdraon, F. Auchère, G. Stenborg, A. Bouteille, and E. Soubrié (2009), Coronal and Interplanetary Structures Associated with Type III Bursts, *Solar Phys.*, *256*, 101–110, doi:10.1007/s11207-009-9359-0.
- [107] Podesta, J. J., A. Bhattacharjee, B. D. G. Chandran, M. L. Goldstein, and D. A. Roberts (2008), Scale dependent alignment between velocity and magnetic field fluctuations in the solar wind and comparisons to Boldyrev’s phenomenological theory, in *American Institute of Physics Conference Series, American Institute of Physics Conference Series*, vol. 1039, edited by G. Li, Q. Hu, O. Verkhoglyadova, G. P. Zank, R. P. Lin, & J. Luhmann , pp. 81–86, doi:10.1063/1.2982489.
- [108] Podesta, J. J., B. D. G. Chandran, A. Bhattacharjee, D. A. Roberts, and M. L. Goldstein (2009), Scale-dependent angle of alignment between velocity and magnetic field fluctuations in solar wind turbulence, *J. Geophys. Res.*, *114*, A01,107, doi:10.1029/2008JA013504.
- [109] Prakash, O., S. Umapathy, A. Shanmugaraju, and B. Vršnak (2009), Type II bursts in Meter and Decameter - Hectometer Wavelength Ranges and Their Relation to Flares and CMEs, *Solar Phys.*, *258*, 105–118, doi:10.1007/s11207-009-9396-8.
- [110] Prokudina, V. S., V. N. Kuril’Chik, Y. I. Yermolaev, K. Kudela, and M. Slivka (2009), Peculiarities of long-wave radio bursts from solar flares preceding strong geomagnetic storms, *Cosmic Res.*, *47*, 14–21, doi:10.1134/S001095250901002X.
- [111] Ragot, B. R. (2009), Statistics of Turbulent Field Variations, Non-Gaussianity and Intermittency, *Astrophys. J.*, *696*, 1576–1588, doi:10.1088/0004-637X/696/2/1576.
- [112] Reames, D. V. (2009), Solar Release Times of Energetic Particles in Ground-Level Events, *Astrophys. J.*, *693*, 812–821, doi:10.1088/0004-637X/693/1/812.
- [113] Reames, D. V., S. W. Kahler, and A. J. Tylka (2009), Anomalous Cosmic Rays as Probes of Magnetic Clouds, *Astrophys. J.*, *700*, L196–L199, doi:10.1088/0004-637X/700/2/L196.

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [114] Reiner, M. J., K. Goetz, J. Fainberg, M. L. Kaiser, M. Maksimovic, B. Cecconi, S. Hoang, S. D. Bale, and J.-L. Bougeret (2009), Multipoint Observations of Solar Type III Radio Bursts from STEREO and Wind, *Solar Phys.*, *259*, 255–276, doi:10.1007/s11207-009-9404-z.
- [115] Rodriguez, L., A. N. Zhukov, C. Cid, Y. Cerrato, E. Saiz, H. Cremades, S. Dasso, M. Menvielle, A. Aran, C. Mandrini, S. Poedts, and B. Schmieder (2009), Three frontside full halo coronal mass ejections with a nontypical geomagnetic response, *Space Weather*, *70*, S06,003, doi:10.1029/2008SW000453.
- [116] Runov, A., V. Angelopoulos, V. A. Sergeev, K.-H. Glassmeier, U. Auster, J. McFadden, D. Larson, and I. Mann (2009), Global properties of magnetotail current sheet flapping: THEMIS perspectives, *Ann. Geophys.*, *27*, 319–328, doi:10.5194/angeo-27-319-2009.
- [117] Salem, C., A. Mangeney, S. D. Bale, and P. Veltri (2009), Solar Wind Magnetohydrodynamics Turbulence: Anomalous Scaling and Role of Intermittency, *Astrophys. J.*, *702*, 537–553, doi:10.1088/0004-637X/702/1/537.
- [118] Sandanger, M. I., F. Søråas, M. Sørbø, K. Aarsnes, K. Oksavik, and D. S. Evans (2009), Relativistic electron losses related to EMIC waves during CIR and CME storms, *J. Atmos. Solar-Terr. Phys.*, *71*, 1126–1144, doi:10.1016/j.jastp.2008.07.006.
- [119] Sarris, T., X. Li, and H. J. Singer (2009), A long-duration narrowband Pc5 pulsation, *J. Geophys. Res.*, *114*, A01,213, doi:10.1029/2007JA012660.
- [120] Schlickeiser, R., S. Artmann, and W. Droge (2009), Interplanetary Plasma Scattering Diagnostics from Anisotropy-time Profiles of Solar Energetic Particles, *The Open Plasma Phys. J.*, *2*, 1–7, doi:10.2174/1876534300902010001.
- [121] Seki, Y., M. N. Nishino, M. Fujimoto, Y. Miyashita, K. Keika, H. Hasegawa, K. Okabe, Y. Kasaba, T. Terasawa, T. I. Yamamoto, I. Shinohara, Y. Saito, and T. Mukai (2009), Observations of loss cone-shaped back streaming energetic protons upstream of the Earth’s bow shock, *J. Geophys. Res.*, *114*, A11,106, doi:10.1029/2009JA014136.
- [122] Selesnick, R. S., and S. G. Kanekal (2009), Variability of the total radiation belt electron content, *J. Geophys. Res.*, *114*, A02,203, doi:10.1029/2008JA013432.
- [123] Shanmugaraju, A., Y.-J. Moon, K.-S. Cho, and S. Umaphathy (2009), Effects of Source Position on the DH-Type II CME Properties, *J. Korean Astron. Soc.*, *42*, 55–60.
- [124] Shue, J.-H., Y. Kamide, and J. W. Gjerloev (2009), Effects of solar wind density on auroral electrojets and brightness under influence of substorms, *Ann. Geophys.*, *27*, 113–119, doi:10.5194/angeo-27-113-2009.
- [125] Simnett, G. M. (2009), On the timescale and location of  $^3\text{He}$  acceleration, *Astron. & Astrophys.*, *507*, 469–480, doi:10.1051/0004-6361/200912514.

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [126] Soucek, J., O. Santolik, T. Dudok de Wit, and J. S. Pickett (2009), Cluster multispacecraft measurement of spatial scales of foreshock Langmuir waves, *J. Geophys. Res.*, *114*, A02,213, doi:10.1029/2008JA013770.
- [127] Stanislavsky, A. A., A. A. Konovalenko, H. O. Rucker, E. P. Abranin, M. L. Kaiser, V. V. Dorovskyy, V. N. Mel'nik, and A. Lecacheux (2009), Antenna performance analysis for decameter solar radio observations, *Astron. Nachr.*, *330*, 691–+, doi:10.1002/asna.200911226.
- [128] Sung, S.-K., K. Marubashi, K.-S. Cho, Y.-H. Kim, K.-H. Kim, J. Chae, Y.-J. Moon, and I.-H. Kim (2009), A Comparison of the Initial Speed of Coronal Mass Ejections with the Magnetic Flux and Magnetic Helicity of Magnetic Clouds, *Astrophys. J.*, *699*, 298–304, doi:10.1088/0004-637X/699/1/298.
- [129] Tan, L. C., D. V. Reames, C. K. Ng, O. Saloniemi, and L. Wang (2009), Observational Evidence on the Presence of an Outer Reflecting Boundary in Solar Energetic Particle Events, *Astrophys. J.*, *701*, 1753–1764, doi:10.1088/0004-637X/701/2/1753.
- [130] Teh, W.-L., B. U. Ö. Sonnerup, Q. Hu, and C. J. Farrugia (2009), Reconstruction of a large-scale reconnection exhaust structure in the solar wind, *Ann. Geophys.*, *27*, 807–822, doi:10.5194/angeo-27-807-2009.
- [131] Thrane, E., K. Abe, Y. Hayato, T. Iida, M. Ikeda, J. Kameda, K. Kobayashi, Y. Koshio, M. Miura, S. Moriyama, M. Nakahata, S. Nakayama, Y. Obayashi, H. Ogawa, H. Sekiya, M. Shiozawa, Y. Suzuki, A. Takeda, Y. Takenaga, Y. Takeuchi, K. Ueno, K. Ueshima, H. Watanabe, S. Yamada, M. R. Vagins, S. Hazama, I. Higuchi, C. Ishihara, T. Kajita, K. Kaneyuki, G. Mitsuka, H. Nishino, K. Okumura, N. Tanimoto, F. Dufour, E. Kearns, M. Litos, J. L. Raaf, J. L. Stone, L. R. Sulak, M. Goldhaber, K. Bays, D. Casper, J. P. Cravens, W. R. Kropp, S. Mine, C. Regis, M. B. Smy, H. W. Sobel, K. S. Ganzezer, J. Hill, W. E. Keig, J. S. Jang, I. S. Jeong, J. Y. Kim, I. T. Lim, M. Fechner, K. Scholberg, C. W. Walter, R. Wendell, S. Tasaka, J. G. Learned, S. Matsuno, Y. Watanabe, T. Hasegawa, T. Ishida, T. Ishii, T. Kobayashi, T. Nakadaira, K. Nakamura, K. Nishikawa, Y. Oyama, K. Sakashita, T. Sekiguchi, T. Tsukamoto, A. T. Suzuki, A. K. Ichikawa, A. Minamino, T. Nakaya, M. Yokoyama, S. Dazeley, R. Svoboda, A. Habig, Y. Fukuda, Y. Itow, T. Tanaka, C. K. Jung, G. Lopez, C. McGrew, C. Yanagisawa, N. Tamura, Y. Idehara, H. Ishino, A. Kibayashi, M. Sakuda, Y. Kuno, M. Yoshida, S. B. Kim, B. S. Yang, T. Ishizuka, H. Okazawa, Y. Choi, H. K. Seo, Y. Furuse, K. Nishijima, Y. Yokosawa, M. Koshihara, Y. Totsuka, S. Chen, G. Gong, Y. Heng, T. Xue, Z. Yang, H. Zhang, D. Kielczewska, P. Mijakowski, H. G. Berns, K. Connolly, M. Dziomba, The Super-Kamiokande Collaboration, and R. J. Wilkes (2009), Search for Neutrinos from GRB 080319B at Super-Kamiokande, *Astrophys. J.*, *697*, 730–734, doi:10.1088/0004-637X/697/1/730.
- [132] Toivanen, P. K., and P. Janhunen (2009), Electric Sailing under Observed Solar Wind Conditions, *Astrophys. Space Sci. Trans.*, *5*, 61–69, doi:10.5194/astra-5-61-2009.
- [133] Tokumaru, M., M. Kojima, K. Fujiki, and K. Hayashi (2009), Non-dipolar solar wind structure observed in the cycle 23/24 minimum, *Geophys. Res. Lett.*, *360*, L09,101, doi:10.1029/2009GL037461.

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [134] van Driel-Gesztelyi, L., and J. L. Culhane (2009), Magnetic Flux Emergence, Activity, Eruptions and Magnetic Clouds: Following Magnetic Field from the Sun to the Heliosphere, *Space Sci. Rev.*, *144*, 351–381, doi:10.1007/s11214-008-9461-x.
- [135] Viall, N. M., H. E. Spence, and J. Kasper (2009), Are periodic solar wind number density structures formed in the solar corona?, *Geophys. Res. Lett.*, *362*, L23,102, doi:10.1029/2009GL041191.
- [136] Vichare, G., S. Alex, and G. S. Lakhina (2009), Influence of solar wind parameters on ground magnetic field near equator during intense storms, *J. Atmos. Solar-Terr. Phys.*, *71*, 1814–1823, doi:10.1016/j.jastp.2009.06.015.
- [137] Vlahos, L., S. Krucker, and P. Cargill (2009), The Solar Flare: A Strongly Turbulent Particle Accelerator, in *Turbulence in Space Plasmas, Lecture Notes in Physics, Berlin Springer Verlag*, vol. 778, edited by P. Cargill & L. Vlahos, pp. 157–+, doi:10.1007/978-3-642-00210-6\_5.
- [138] Vocks, C., and G. Mann (2009), Scattering of solar energetic electrons in interplanetary space, *Astron. & Astrophys.*, *502*, 325–332, doi:10.1051/0004-6361/200911738.
- [139] von Rosenvinge, T. T., I. G. Richardson, D. V. Reames, C. M. S. Cohen, A. C. Cummings, R. A. Leske, R. A. Mewaldt, E. C. Stone, and M. E. Wiedenbeck (2009), The Solar Energetic Particle Event of 14 December 2006, *Solar Phys.*, *256*, 443–462, doi:10.1007/s11207-009-9353-6.
- [140] Wang, L. (2009), Solar impulsive energetic electron events, Ph.D. thesis, University of California, Berkeley.
- [141] Watermann, J., P. Wintoft, B. Sanahuja, E. Saiz, S. Poedts, M. Palmroth, A. Milillo, F.-A. Metallinou, C. Jacobs, N. Y. Ganushkina, I. A. Dagnis, C. Cid, Y. Cerrato, G. Balasis, A. D. Aylward, and A. Aran (2009), Models of Solar Wind Structures and Their Interaction with the Earth’s Space Environment, *Space Sci. Rev.*, *147*, 233–270, doi:10.1007/s11214-009-9494-9.
- [142] Webb, D. F., T. A. Howard, C. D. Fry, T. A. Kuchar, D. R. Mizuno, J. C. Johnston, and B. V. Jackson (2009), Studying geoeffective interplanetary coronal mass ejections between the Sun and Earth: Space weather implications of Solar Mass Ejection Imager observations, *Space Weather*, *70*, S05,002, doi:10.1029/2008SW000409.
- [143] Webb, D. F., T. A. Howard, C. D. Fry, T. A. Kuchar, D. Odstreil, B. V. Jackson, M. M. Bisi, R. A. Harrison, J. S. Morrill, R. A. Howard, and J. C. Johnston (2009), Study of CME Propagation in the Inner Heliosphere: SOHO LASCO, SMEI and STEREO HI Observations of the January 2007 Events, *Solar Phys.*, *256*, 239–267, doi:10.1007/s11207-009-9351-8.
- [144] Webb, D. F., S. E. Gibson, and B. J. Thompson (2010), Whole Heliosphere Interval: Overview of JD16, *Highlights Astron.*, *15*, 471–479, doi:10.1017/S174392131001032X.

**List of Refereed Publications**  
**Wind Spacecraft: 2009**

- [145] Weygand, J. M., W. H. Matthaeus, S. Dasso, M. G. Kivelson, L. M. Kistler, and C. Mouikis (2009), Anisotropy of the Taylor scale and the correlation scale in plasma sheet and solar wind magnetic field fluctuations, *J. Geophys. Res.*, *114*, A07,213, doi:10.1029/2008JA013766.
- [146] Wicks, R. T., S. C. Chapman, and R. O. Dendy (2009), Spatial Correlation of Solar Wind Fluctuations and Their Solar Cycle Dependence, *Astrophys. J.*, *690*, 734–742, doi:10.1088/0004-637X/690/1/734.
- [147] Wilson, L. B., III, C. A. Cattell, P. J. Kellogg, K. Goetz, K. Kersten, J. C. Kasper, A. Szabo, and K. Meziane (2009), Low-frequency whistler waves and shocklets observed at quasi-perpendicular interplanetary shocks, *J. Geophys. Res.*, *114*, A10,106, doi:10.1029/2009JA014376.
- [148] Wimmer-Schweingruber, R. F., B. Heber, and H. Fitchner (2009), Open Issues in Heliospheric Physics, *Earth Moon and Planets*, *104*, 3–9, doi:10.1007/s11038-008-9266-7.
- [149] Wimmer-Schweingruber, R. F., R. McNutt, N. A. Schwadron, P. C. Frisch, M. Gruntman, P. Wurz, and E. Valtonen (2009), Interstellar heliospheric probe/heliospheric boundary explorer mission—a mission to the outermost boundaries of the solar system, *Exper. Astron.*, *24*, 9–46, doi:10.1007/s10686-008-9134-5.
- [150] Yoshino, T., K. Mitsuda, N. Y. Yamasaki, Y. Takei, T. Hagihara, K. Masui, M. Bauer, D. McCammon, R. Fujimoto, Q. D. Wang, and Y. Yao (2009), Energy Spectra of the Soft X-Ray Diffuse Emission in Fourteen Fields Observed with Suzaku, *Publ. Astron. Soc. Japan*, *61*, 805–.
- [151] Yu, Y. W., X. Y. Wang, and Z. G. Dai (2009), Optical and  $\gamma$ -ray Emissions from Internal Forward-Reverse Shocks: Application to GRB 080319B?, *Astrophys. J.*, *692*, 1662–1668, doi:10.1088/0004-637X/692/2/1662.
- [152] Zhang, H., Q.-G. Zong, D. G. Sibeck, T. A. Fritz, J. P. McFadden, K.-H. Glassmeier, and D. Larson (2009), Dynamic motion of the bow shock and the magnetopause observed by THEMIS spacecraft, *J. Geophys. Res.*, *114*, A00C12, doi:10.1029/2008JA013488.
- [153] Zhou, X.-Y., K. Fukui, H. C. Carlson, J. I. Moen, and R. J. Strangeway (2009), Shock aurora: Ground-based imager observations, *J. Geophys. Res.*, *114*, A12,216, doi:10.1029/2009JA014186.
- [154] Zhu, P., J. Raeder, K. Germaschewski, and C. C. Hegna (2009), Initiation of ballooning instability in the near-Earth plasma sheet prior to the 23 March 2007 THEMIS substorm expansion onset, *Ann. Geophys.*, *27*, 1129–1138, doi:10.5194/angeo-27-1129-2009.
- [155] Zweibel, E. G., and M. Yamada (2009), Magnetic Reconnection in Astrophysical and Laboratory Plasmas, *Ann. Rev. Astron. Astrophys.*, *47*, 291–332, doi:10.1146/annurev-astro-082708-101726.